
**DEVELOPMENT OF RESOURCES AND
STABILIZATION OF EMPLOYMENT IN THE
UNITED STATES**

**PART I. THE FEDERAL PROGRAM FOR
NATIONAL DEVELOPMENT**

•

**JANUARY 1941
NATIONAL RESOURCES PLANNING BOARD**

**DEVELOPMENT OF RESOURCES AND
STABILIZATION OF EMPLOYMENT IN THE
UNITED STATES**

**PART I. THE FEDERAL PROGRAM FOR
NATIONAL DEVELOPMENT**

JANUARY 1941

NATIONAL RESOURCES PLANNING BOARD

UNITED STATES GOVERNMENT PRINTING OFFICE - - - - - WASHINGTON, D. C.

For sale by the Superintendent of Documents, Washington, D. C. - - - - - Price 25 cents

EXECUTIVE OFFICE OF THE PRESIDENT
NATIONAL RESOURCES PLANNING BOARD
WASHINGTON, D. C.

December 31, 1940.

The PRESIDENT,

The White House.

MY DEAR MR. PRESIDENT: We have the honor to transmit herewith a report of the National Resources Planning Board on "Development of Resources and Stabilization of Employment in the United States."

In accordance with your instructions and the requirements of the Federal Employment Stabilization Act of 1931, the report reviews "the trend of employment and business activity * * * in the United States," discusses the possibilities of and limitations on the use of public works both for national development and to combat unemployment, and presents a recommended Six-Year Program of Federal Public Works. Supporting this statement by the Board we are also presenting three other parts of the report, so that the whole document consists of:

Part I—The Federal Program for National Development.

Part II—Regional Development Plans.

Part III—Functional Development Policies.

The Six-Year Program provides a reservoir of long-range projects originated by Federal construction agencies from which the Congress and the Administration can select activities in amounts and kinds appropriate to the times and the needs of the Nation. It suggests alternative lines of policy for land, water, energy and transportation and of regional development as a basis for improved plans and programs in future years. The Six-Year Program is a concrete and practical application of planning which will change from year to year with the development of our national resources.

Respectfully submitted.

FREDERIC A. DELANO, *Chairman,*
CHARLES E. MERRIAM.
GEORGE F. YANTIS.

NATIONAL RESOURCES PLANNING BOARD

CHARLES E. MERRIAM **FREDERIC A. DELANO, *Chairman*** **GEORGE F. YANTIS**

ADVISORS

HENRY S. DENNISON **BEARDSLEY RUMI**

DIRECTOR

CHARLES W. ELIOT 2D

ASSISTANT DIRECTORS

THOMAS C. BLAISDELL, JR. **FRANK W. HERRING** **RALPH J. WATKINS**

EXECUTIVE OFFICER

HAROLD MERRILL

**DEVELOPMENT OF RESOURCES AND STABILIZATION OF EMPLOY-
MENT IN THE UNITED STATES**

PART I: THE FEDERAL PROGRAM FOR NATIONAL DEVELOPMENT

Contents

	Page		Page
Recommendations	1	E. Regional and Functional Development Policies—Con.	
A. Introduction—Objectives and Economic Considerations	3	Functional Development Policies—Continued.	
B. Trends of Employment.	6	Energy Resource Policies	43
Conclusion	11	Transportation Needs and Principles of Expenditure	47
C. Public Works Planning for Employment Stabilization	14	F. Recommended Six-Year Program	49
Public Works for Cyclical Stabilization	14	Summary	49
Local Government Public Works	15	Procedures in Developing the Program	51
First National Efforts to Expand Public Works	15	Planning, Programming, and Budgeting	53
The PWA Established	16	List of Projects	54
Development of the Work Relief Program	16	Table No. I. Projects Recommended for Fiscal Year 1942	55
The Course of Public Construction	17	Legislative Establishment	55
What 10 Years of Experience Have Shown	17	Independent Offices and Establishments	55
D. Public Works Planning for National Development	23	Federal Security Administration	56
Federal and Non-Federal Responsibilities	23	Federal Works Agency	56
Federal Participation in Total Construction Activity	24	Department of Agriculture	57
Construction Undertaken by the Federal Government	25	Department of Commerce	58
Trends in Construction by Federal Agencies	25	Department of the Interior	58
Trends in Construction by Federal Corporations	27	Department of Justice	60
Federal Grants-In-Aid for Public Construction	28	Navy Department	60
Federal Loans for Public Works Construction	28	Department of State	61
Federal Loans for Private Construction	30	Treasury Department	61
Total Federal Participation in Construction	30	War Department	61
Significance of the Past 10 Years	31	District of Columbia Government	62
E. Regional and Functional Development Policies	33	Table No. II. Estimated Construction Financing by the Federal Government for Fiscal Year 1942	75
Programming of Public Works	33	Federal Loan Agency	75
Evaluation of Costs and Benefits	33	Federal Security Administration	76
Financing Public Works	33	Federal Works Agency	76
Functional Policies and Regional Planning	34	Department of Agriculture	76
Regional Development Plans	34	Table No. III. Projects Available for Construction in Later Years	78
Functional Development Policies	36	Appendix. Statistical Tables Covering the Historical Development and Distribution of Federal Construction Expenditures, 1921-1941	79
Land-Use Objectives and Public Works	36		
National Water Policy	39		

APPENDIX

STATISTICAL TABLES COVERING THE HISTORICAL DEVELOPMENT AND DISTRIBUTION OF FEDERAL CONSTRUCTION EXPENDITURES, 1921-1941

During the past 20 years, the United States Government has directly influenced construction activity in the United States in a number of different ways. These have included:

1. *Expenditures made by regular Government departments* for the Federal account. The construction financed by these expenditures is carried on directly by the Federal Government and the completed works and structures are owned and operated by it.

2. *Expenditures made by Government corporations* for the Federal account.

3. *Grants-in-aid to State and local governments*.—The construction (including work relief) so financed is carried on (or sponsored) by the State and local governments to which the grants are made, and the completed works and structures are owned and operated by them.

4. *Loans to non-Federal public agencies*.—The construction financed by these expenditures is carried on by the agencies to which the loans are made, and the completed works and structures are owned and operated by these agencies.

5. *Loans to private agencies and guaranties of private loans*.—As in the case of loans to public agencies, responsibility for construction, ownership, and operation is outside the Federal Government. The Government underwrites certain types of private construction loans, principally for housing, and the guaranties of these loans represent contingent liabilities of the Government. Consequently, the construction expenditures made by private agencies under these loan-guaranty arrangements must be considered as a part of the construction activity in which the Government is a participant.

The tables in this Appendix have been compiled to show the expenditures made by the Federal Government since 1921 in each of the categories listed above, classified as to purpose.

In addition to this classification of construction expenditures according to the character of the outlays, many different methods might be used to classify such expenditures according to the purpose for which they were made.

From 1921 to 1932, the bulk of Federal construction expenditures was made for roads, river and harbor improvements (including some flood-control work), public buildings, and irrigation works. Beginning in 1932, these expenditures were extended to include—by

means of grants or loans—practically all types of public and private construction. In considering all the purposes for which Federal construction expenditures are now being made, the expenditures have been divided into six major functional classes in these tables:

1. *Water use and control*.—Including flood control, irrigation, hydroelectric plant and transmission systems, public water-supply systems, and public sewerage systems.

2. *Public land development*.—Including park and forest development, wildlife conservation, and soil erosion control.

3. *Transportation*.—Including roads, river and harbor improvements, aids and assistance to navigation, airports and airways, railroads, canals, and various structures such as wharves, docks, bridges, etc.

4. *Defense*.—Including Army and Navy flying fields, military and naval posts, supply depots, and navy yards.

5. *Government plant*.—Including administrative buildings, post offices, research facilities, hospitals, prisons, and educational buildings.

6. *Housing*.

It is recognized, of course, that this classification is very general, and for that reason each major classification has been in turn further subdivided into several additional classifications. The entire classification scheme in general outline is as follows:

1. *Water use and control:*

- a. Flood control.
- b. Tennessee Valley Authority.
- c. Reclamation and irrigation.
- d. Transmission and hydroelectric plant.
- e. Public water supply systems.
- f. Public sewerage systems.
- g. Miscellaneous water use and control.

2. *Public land development:*

- a. Parks.
- b. Forests.
- c. Wildlife.
- d. Soil erosion control.
- e. Miscellaneous land development.

3. *Transportation:*

- a. Roads, streets, and highways.
- b. Rivers and harbors.
- c. Aids and assistance to navigation.

3. *Transportation—Continued.*
 - d. Airports and airways.
 - e. Canals.
 - f. Railroads.
 - g. Miscellaneous transportation.
4. *Defense:*
 - a. Naval.
 - b. Military.
 - c. Miscellaneous defense.
5. *Government plant:*
 - a. Public buildings.
 - b. Research facilities.
 - c. Surveys and investigations.
 - d. Welfare and health.
 - e. Law enforcement.
 - f. Education.
 - g. Recreation.
 - h. Utilities.
 - i. Miscellaneous general facilities.

In addition to the five groups listed above, there is a general over-all "Miscellaneous" group which is included in some of the tables because the data from which these tables were compiled did not, in some instances, permit more specific identification of purpose.

The tables in this Appendix are divided into five groups, corresponding to the character-of-outlay classification described in the first paragraph of this appendix. In addition, there is a sixth table summarizing all expenditures shown on the other five tables.

Each group of tables has a summary table which classifies the expenditures within that group according to purpose, and within each group of tables there is a table for each major purpose category which details the amounts spent by each Federal agency for each item listed within that purpose.

These tables must be used in the light of the following considerations:

1. The expenditures shown within each fiscal year do not correspond precisely to the total volume of construction activity for which the Federal Government was responsible *in that year*, because Federal procedures (with few exceptions) are such that the actual construction work must be performed before payment can be made. Consequently, construction activity financed by the Federal Government generally precedes actual payment. These tables show expenditures in terms of cash payments from the United States Treasury or from funds of Government corporations, with the exception of private construction loans for which the Federal Government has provided a guaranty. These guaranties are included as of the date they are assumed by the Federal Government.

2. The data from which these tables have been compiled are such that it is not possible in all instances to permit a complete classification of the expenditures involved. For instance, all construction expenditures of the Bureau of Reclamation are shown under "Reclamation and irrigation" although some of such expenditures were for hydroelectric plant and transmission lines. However, the nature of the data available did not permit a separation. Consequently, the compilations presented in these tables are not completely precise insofar as the classifications are concerned.

3. All expenditure data shown are for *new* construction only. Major repairs that are, virtually, new construction are also included. Current maintenance and repair work necessary for the preservation of any works, building, or other structure has been excluded.

4. The data shown for the fiscal year 1941 are preliminary and are subject to further revision.

TABLE No. 1.—Summary of expenditures for construction of Federal

[All figures

Function	1921	1922	1923	1924	1925	1926	1927
1. Water use and control:							
a. Flood control ¹							\$11,891
b. TVA.....							2,752
c. Reclamation and irrigation.....	\$6,073	\$4,946	\$5,650	\$6,782	\$3,899	\$3,390	7,276
d. Transmission and electric plant.....							
Total.....	6,073	4,946	5,650	6,782	3,899	3,390	21,619
2. Public land development:							
a. Parks.....							1,842
b. Forests.....	6,382	6,263	6,459	7,817	13,066	12,714	12,151
c. Wildlife.....	129	26	25	5	1	7	24
d. Soil erosion control.....							
Total.....	6,511	6,299	6,484	7,822	13,067	12,721	14,017
3. Transportation:							
a. Roads.....	1,225		2,811	4,678			
b. Rivers and harbors ²	58,820	43,317	51,393	75,662	79,429	69,004	61,041
c. Aids and assistance to navigation.....	808	1,185	607	786	543	997	74
d. Airports and airways.....							
e. Panama Canal ³	16,461	11,062	3,621	7,142	9,093		
f. Nicaragua Canal.....							
g. Alaska R. R.	9,561	4,358	4,446	2,838	2,074	1,464	1,572
i. Miscellaneous.....	575						
Total.....	87,450	59,922	62,878	91,136	91,139	71,465	62,687
4. Defense:							
a. Navy Department.....	14,212	10,454	10,073	6,177	3,750	3,257	3,027
b. War Department.....	52,461	16,569	12,164	6,459	4,581	7,001	9,684
c. War Department—nonmilitary.....	190						
Total.....	66,863	27,023	22,237	12,636	8,331	10,258	12,711
5. Government plant:							
a. Public buildings.....	9,714	5,299	3,454	2,450	2,756	1,940	8,736
b. Research facilities.....							
c. Surveys and investigations.....							
d. Welfare and health.....	285	12,054	10,291	11,611	5,091	5,981	5,976
e. Law enforcement.....	311	80	174	141	410	73	61
f. Education.....	47	528	24	3	47	150	233
g. Housing.....							
h. District of Columbia.....							
i. Facilities outside continental United States.....				45	27		
Total.....	10,357	17,961	13,943	14,250	8,331	8,144	15,006
6. Miscellaneous.....			1,294	244	253	811	1,560
Grand total.....	177,254	116,151	112,495	132,870	125,020	106,789	117,600

¹ Estimated expenditures for fiscal year 1941 estimated as of January 1941.² Up to the end of the fiscal year 1926, expenditures for flood control are included under the item "Rivers and harbors." Some maintenance is included.³ Credits of \$29,000 deducted in Budget statement.⁴ Credits of \$32,000 deducted in Budget statement.⁵ Credits of \$30,000 deducted in Budget statement.⁶ Includes maintenance and operating expenses.⁷ Credits of \$96,000 deducted in Budget statement.⁸ Difference between statement No. 2 and statement No. 4 of the Budget is \$1,146,000.⁹ Difference between statement No. 2 and statement No. 5 of the Budget is \$2,435,000.¹⁰ Difference between statement No. 2 and statement No. 5 of the Budget is \$19,875,000.

TABLE No. 1-A.—1.

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
a. Flood control:							
1. Corps of Engineers ¹							\$11,591
2. International Boundary Commission, United States and Mexico.....							
Total.....							11,591
b. Tennessee Valley Authority:							
1. Corps of Engineers ¹							2,752
2. Tennessee Valley Authority.....							
Total.....							2,752
c. Reclamation and irrigation:							
1. Bureau of Reclamation.....	\$6,073	\$4,946	\$5,650	\$6,782	\$3,899	\$3,390	7,276
2. Boulder Dam.....							
3. All-American Canal.....							
4. Bureau of Indian Affairs ⁴							
5. Small water conservation—Department of the Interior.....							
Total.....	6,073	4,946	5,650	6,782	3,899	3,390	7,276
d. Transmission and electric plant:							
1. Corps of Engineers ⁵							
2. TVA.....							
3. Bonneville project.....							
Total.....							
Grand total.....	6,073	4,946	5,650	6,782	3,899	3,390	21,619

See footnotes on pp. 84 to 87.

public works classified according to function, fiscal years 1921-1941, inclusive

[in thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
\$13,271 711 9,534	\$25,340 330 10,613	\$22,805 9,398 22	\$35,844 9,442 11	\$27,996 23,577 15	\$35,118 24,067 14	\$41,862 8,020 25,170 1,444	\$34,403 31,179 42,548 1,389	\$41,474 41,565 50,947 6,640	\$50,280 35,545 51,648 4,600	\$64,979 35,538 66,982 7,169	\$76,444 31,543 82,099 11,650	\$105,749 39,136 98,690 13,380	\$114,281 60,000 84,351 28,000
23,516	36,283	32,225	45,297	51,588	59,199	76,496	109,519	140,626	142,073	175,668	201,736	258,955	281,632
8,416 11,001 4	4,149 12,462 19	4,077 11,087 282	6,252 20,041 463	6,913 18,117 350	6,537 12,799 168	8,675 25,048 568	13,826 22,794 843	14,538 20,900 1,995	23,190 22,913 1,987	18,023 13,462 1,490	21,158 18,703 2,747	16,072 12,911 1,088	17,723 10,658 765
14,421	16,630	15,466	27,856	25,385	19,496	84,291	47,787	61,513	48,399	38,190	45,427	31,906	29,903
58,870 290	1,993 57,718 900	2,983 47,437 876	6,719 53,698 1,488	8,342 55,842 2,955	5,617 49,123 2,644	3,754 79,115 1,990	4,096 133,036 2,261	2,741 152,195 992	2,026 147,470 2,165	1,941 99,047 1,815	1,917 76,779 8,633	2,129 61,573 5,094	1,500 45,115 9,148
290	1,078 1,418	3,028 1,280	2,657 2,220	628 5,276	342 4,582	1,784 1,956	823 1,956	766 2,478	2,218 2,520	2,218 2,223	4,232 2,457	8,789 15,700	34,000 32,271
	51 198 2,749	65 198 1,073	255 157 1,581	157 354	353 30	325 1	329 5	438 23	528 25	482	358	565	
59,160	60,611	57,456	67,447	73,852	63,799	90,166	144,459	159,568	155,408	107,795	94,500	93,653	122,599
4,885 10,628	7,314 13,338 684	8,103 11,585 247	12,941 25,655 1,182	13,246 29,718 916	12,626 13,796	14,110 35,542 424	13,686 34,280 411	14,463 17,374	19,053 23,676	14,979 34,375	48,094 61,499	81,652 72,248	248,561 647,701 2,900
11,173	21,236	19,935	39,778	43,879	26,422	50,076	48,377	31,837	42,729	49,354	309,593	153,900	899,162
7,194	30,785 51	44,294 1,333	73,002 1,195	100,621 632	118,177 109	80,648 2,656	60,054 2,624	69,028 1,312	78,594 908	79,927 838	53,506 3,034	58,079 6,757	57,221 16,182
6,609 30 149	4,606 183 9	12,817 28 121	15,369 28 727	19,237 801	19,856 633	9,397 1,219 533	9,068 117 782	11,902 272 764	22,540 99 515	15,391 148 1,249	25,099 105 3,212	31,503 1,667	13,545 1,462
	7,637 3,573	10,410 3,303	12,875 4,822	7,736 707	4,205 1,731	8,000 2,642	12,345 3,976	6,671 1,940	7,183 1,940	20,495 6,087	19,661 3,745	100,000 8,880 1,692	
13,982	35,636	69,775	104,037	138,991	147,221	103,538	84,008	100,164	123,753	108,730	112,945	121,672	200,552
2,941 125,193	16,309 186,705	194,857	283,915	333,695	316,137	354,567	434,150	493,708	612,353	479,737	564,201	658,085	1,533,848

Source: Compiled from statements of Federal expenditures for public works construction published annually in *The Budget of the United States Government*. See *The Budget* from 1923-42, inclusive. This statement does not include emergency expenditures from allotments for public works to States, municipalities and other public bodies. However, it does include expenditures from allotments for public works construction (including work relief construction) made to the regular Federal

construction agencies from emergency funds. The sites for construction are included as are vessels for the Coast Guard and Lighthouse Service. All figures on this table and the supporting tables are on a fiscal year basis. In the years up to the end of 1932 it was necessary to supplement the table of public works or construction expenditures with statement No. 2 of the Budget, since that contained information not available in the former.

Water use and control

[in thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
\$13,271	\$25,340	\$22,805	\$35,844	\$27,996	\$35,118	\$41,078	\$31,807	\$41,303	\$49,221	\$63,680	\$75,454	\$103,789	\$112,200
711	330					786	2,596	171	1,059	1,299	990	1,960	2,081
13,271	25,340	22,805	35,844	27,996	35,118	41,862	34,403	41,474	50,280	64,979	76,444	105,749	114,281
						8,020	31,179	41,565	35,545	36,538	31,543	39,136	60,000
						8,020	31,179	41,565	35,545	36,538	31,543	39,136	60,000
9,534	10,613	8,611	6,357	5,424	3,488	3,368	15,731	25,486	38,463	47,640	64,394	93,642	81,211
			1,686	17,019	19,709	19,534	22,180	18,913	5,588	7,354	9,093		
			787	1,399	1,134	89	1,725	4,864	8,550	7,651	3,550	5,048	3,140
					870	2,229	2,912	1,684	1,047	4,337	5,062		
9,534	10,613	9,398	9,442	23,577	24,067	25,170	42,548	50,947	51,648	66,982	82,099	98,690	84,351
			22	11	15	14	2					2,529	10,000
						1,442	1,389	6,640	4,600	7,154	6,745	10,851	13,000
										15	4,905		
			22	11	15	14	1,444	1,389	6,640	4,600	7,169	11,650	23,000
23,516	36,283	32,225	45,297	51,588	59,199	76,496	109,519	140,626	142,073	175,668	201,736	258,955	281,632

TABLE No. 1-B.—

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
a. Parks:							
1. National Park Service							\$1,842
2. Other public parks							
Total							1,842
b. Forests:							
1. Forest Service, ^a total	\$6,332	\$6,263	\$6,459	\$7,817	\$13,006	\$12,714	12,151
c. Wildlife:							
1. Bureau of Biological Survey							
2. Bureau of Fisheries	129	36	25	5	1	7	24
Total	129	36	25	5	1	7	24
d. Soil erosion control:							
1. Soil Conservation Service							
2. Extension Service							
3. General, Department of Agriculture							
Total							
Grand total	6,511	6,299	6,484	7,822	13,067	12,721	14,017

TABLE No. 1-C.—

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
a. Roads:							
1. Bureau of Public Roads ^a , total	\$1,225		\$2,811	\$4,678			
b. Rivers and harbors:							
1. Corps of Engineers ^a , total	58,820	\$43,317	51,363	75,092	\$79,429	\$69,004	\$51,041
c. Aids and assistance to navigation:							
1. Lighthouse Service	808	1,185	607	786	543	997	74
2. Coast Guard							
Total	808	1,185	607	786	543	997	74
d. Airports and airways:							
1. Bureau of Air Commerce							
2. Civil Aeronautics Authority							
Total							
e. Panama Canal:							
1. Panama Canal ^a , total	16,461	11,062	3,621	7,142	9,093		
f. Nicaragua Canal:							
1. Nicaragua Canal, total							
g. Alaska R. R.:							
1. Alaska R. R., total	9,561	4,358	^b 4,446	2,838	2,074	1,464	1,572
i. Miscellaneous:							
1. War Department	575						
2. Arlington Memorial Bridge							
Total	575						
Grand total	87,450	59,922	62,878	91,136	91,130	71,465	52,667

TABLE No. 1-D.—

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
a. Navy:							
1. Bureau of Yards and Docks, total	\$14,212	^b \$10,454	\$10,073	\$6,177	\$3,750	\$3,257	\$3,027
b. Army:							
1. Quartermaster Corps	52,461	16,569	12,164	6,459	4,561	7,001	9,684
2. Nonmilitary ^c	190						
Total	52,651	16,569	12,164	6,459	4,561	7,001	9,684
Grand total	66,863	27,023	22,237	12,636	8,311	10,258	12,711

¹ Up to the end of the fiscal year 1926, flood control expenditures were reported under rivers and harbors work. Also includes funds allotted to the Department of Agriculture.

² This item covers dam No. 2 at Muscle Shoals, a project of the Corps of Engineers which is now part of TVA. The original objectives were navigation and the generation of power for nitrates in time of war and fertilizers in time of peace. In the years following 1929 the construction expenditures at dam No. 2 are listed in the Budget

as hydroelectric plant and appear under "Transmission and electric plant" in the analyses.

³ In 1926 credits deducted in Budget Statement amounted to \$29,000, in 1927 to \$29,000, in 1928 to \$32,000, and in 1929 to \$30,000.

⁴ In the years up to the end of 1929 the expenditures for irrigation projects in the Bureau of Indian Affairs were not separated from the general public works expenditures for this Bureau.

2. Public Land development

in thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
\$3,416	\$4,149	\$4,077	\$6,246 6	\$6,900 13	\$6,537	\$8,675	\$13,826	\$14,538	\$23,190	\$19,023	\$21,168	\$16,072	\$17,723
3,416	4,149	4,077	6,252	6,913	6,537	8,675	13,826	14,538	23,190	18,023	21,168	16,072	17,723
11,001	12,462	11,097	20,641	18,117	12,799	25,048	22,784	20,900	22,913	18,462	18,703	12,911	10,658
4	19	161 131	169 294	16 334	6 152	300 268	667 176	1,861 134	1,939 48	1,248 242	1,140 1,607	1,098	765
4	19	392	463	360	158	568	843	1,995	1,987	1,490	2,747	1,098	765
							10,334	22,130 1,950	300	215	2,819	1,824	767
				5	2								
				5	2		10,334	24,080	300	215	2,819	1,824	767
14,421	16,630	18,466	27,356	25,385	19,496	34,291	47,787	61,513	48,390	38,190	45,427	31,905	29,903

3. Transportation

in thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
	\$1,993	\$2,983	\$6,719	\$8,342	\$5,617	\$3,754	\$4,096	\$2,741	\$2,026	\$1,941	\$1,917	\$2,129	\$1,500
\$58,870	57,718	47,437	53,598	55,842	49,123	79,115	133,036	152,195	147,470	99,047	76,779	61,573	45,115
290	900	790 86	1,096 392	1,165 1,790	1,451 1,193	1,520 470	2,471 790	368 624	1,611 554	1,510 305	3,633	5,094	9,148
290	900	876	1,488	2,955	2,644	1,990	3,261	992	2,165	1,815	8,633	5,094	9,148
		1,678	3,026	2,657	628	342	1,784	828	766				
										2,216	4,232	8,799	34,000
		1,678	3,026	2,657	628	342	1,784	828	766	2,216	4,232	8,799	34,000
		1,418	1,280	2,220	5,276	4,582	1,956	2,478	2,520	2,223	2,457	15,700	32,271
		51	65										
		264	198	255	157	353	325	329	438	528	482	358	565
		2,749	1,073	1,581	354	30	1	5	23	25			
		2,749	1,073	1,581	354	30	1	5	23	25			
59,160	60,611	57,456	67,447	73,852	63,799	90,166	144,459	159,568	155,406	107,795	94,500	93,653	122,599

4. Defense

in thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
\$4,885	\$7,314	\$8,103	\$12,941	\$13,246	\$12,626	\$14,110	\$13,686	\$14,463	\$19,053	\$14,979	\$48,094	\$81,652	\$248,561
6,288	13,338 684	11,585 247	25,655 1,182	29,718 915	13,796	35,542 424	34,280 411	17,374	23,676	34,375	61,499	72,248	647,701
6,288	13,922	11,832	26,837	30,633	13,796	35,966	34,691	17,374	23,676	34,375	61,499	72,248	647,701
11,173	21,236	19,935	39,778	43,879	26,422	50,076	48,377	31,837	42,729	49,354	109,593	153,900	1,899,162

* Certain items representing construction expenditures from special funds (co-operative work, Forest Service and roads and trails for States, National Forest funds) have not been included in the Bureau of the Budget's Statement of public works expenditures from 1921-32 (fiscal years). These amounts, which appear in statement No. 2 of the Budget have been included in the above schedule in order to make the Budget statement of public works expenditures consistent within itself for the entire

period from 1921 through 1941. The following expenditures have been added to the amounts appearing in the Budget statement of public works expenditures: \$3,382,000 in 1921, \$2,001,000 in 1922, \$1,411,000 in 1923, \$2,814,000 in 1924, \$2,938,000 in 1925, \$2,793,000 in 1926, \$1,909,000 in 1927, \$1,168,000 in 1928, \$2,234,000 in 1929, \$2,234,000 in 1930, \$2,965,000 in 1931, and \$2,760,000 in 1932.

TABLE No. 1-E.—

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
a. Public buildings:							
1. Architect of the Capitol.....							
2. White House.....							
3. Procurement Division.....	\$8,134	\$5,299	\$3,454	\$2,450	\$2,756	\$1,940	\$8,736
4. Public Buildings Administration.....							
5. Supreme Court.....							
6. Federal Security Agency.....							
7. U. S. Maritime Commission.....							
8. Department of Agriculture, Government Island, Calif.....							
9. American Red Cross.....							
10. Warehouse, Washington, D. C.....							
11. War Department.....	898						
12. Legislative buildings and grounds, Interior Department.....	679						
13. Courthouse, Interior Department.....	3						
Total.....	9,714	5,299	3,454	2,450	2,756	1,940	8,736
b. Research facilities:							
1. Bureau of Animal Industry.....							
2. Bureau of Dairy Industry.....							
3. Bureau of Plant Industry.....							
4. Bureau of Entomology and Plant Quarantine.....							
5. Bureau of Agricultural Engineering.....							
6. Weather Bureau.....							
7. Beltsville.....							
8. Agricultural Research Stations.....							
9. Miscellaneous agricultural research facilities.....							
10. National Advisory Committee for Aeronautics.....							
11. Bureau of Standards.....							
12. Bureau of Mines.....							
13. Bureau of the Census.....							
Total.....							
c. Surveys and investigations:							
1. Geological Survey.....							
2. International Boundary Commission, United States, Canada, Alaska.....							
3. Coast and Geodetic Survey.....							
Total.....							
d. Welfare and health:							
1. Bureau of Indian Affairs.....							
2. Veterans' Administration.....		11,853	10,060	11,238	4,673	5,150	4,599
3. Bureau of Prisons.....	182	190	112	99	178	618	1,261
4. Department of Interior, hospitals.....	103	11	119	274	240	213	116
5. Department of State, sanitation.....							
Total.....	285	12,054	10,291	11,611	5,091	5,981	5,976
e. Law enforcement:							
1. Immigration and Naturalization Service.....	311	80	174	141	410	73	61
2. Department of Commerce.....							
Total.....	311	80	174	141	410	73	61
Education:							
1. Howard University.....		177	24	3	47	150	233
2. Smithsonian Institution.....							
3. Expositions and memorials, miscellaneous agencies.....	47	351					
Total.....	47	528	24	3	47	150	233
g. Housing:							
1. Interior, subsistence homesteads.....							
2. District of Columbia Alley Dwelling Authority.....							
Total.....							
h. District of Columbia, total.....							
i. Facilities outside continental United States:							
1. Foreign Service buildings office.....							
2. American Battle Monuments Commission.....							
3. Alaska, miscellaneous agencies.....				45	27		
4. Puerto Rico, miscellaneous agencies.....							
5. Philippine Islands, miscellaneous agencies.....							
6. Virgin Islands—miscellaneous agencies.....							
Total.....				45	27		
Grand total.....	10,357	17,961	13,943	14,250	8,331	8,144	15,006

TABLE No. 1-F.—

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
6. Miscellaneous: Various agencies, total.....			1,294	244	253	811	1,560

* The figures from 1934 to 1940, inclusive, represent residual amounts after the Department of Commerce figures on Federal grants for highways were deducted from the total grants and expenditures of the Bureau of Public Roads as reflected in table No. 3 of the Budget.

† Appears in statement No. 2 but not in statement No. 6 of the Budget.

‡ Appears in statement No. 2 but not in statement No. 5 of the Budget.

* Up to the end of the fiscal year 1926 expenditures for flood control are included under "Rivers and harbors." Maintenance is included.

† Maintenance and operation included.

‡ There is a discrepancy between Budget statements Nos. 2 and 6 which evidently arose from a transposition of numbers in the item listed for the Alaska R. R. (\$4,446,000 in statement No. 6 and \$4,473,000 in statement No. 2.)

5. Government plant
(in thousands)

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
		\$1,143	\$3,367	\$8,201	\$5,237	\$1,563	\$1,650	\$1,594	\$3,505	\$4,950	\$1,142	\$328	\$202
\$7,194	\$30,785	158 42,803	9 60,014	3 90,603	108,800	76,408	56,631	66,708	75,047	74,857	51,127	56,940	55,890
			297	487	3,645	2,640	1,773	726	42	120	10	811	1,129
				125	595	37					862		
		161	43	608							365		
			272	594									
7,194	30,785	44,294	73,002	100,621	118,177	80,649	60,054	69,028	78,594	79,927	53,506	58,079	57,221
		28	80	28	30	995	683	15	205	153	70	54	52
		43	75	38	23	131	130	29		10	10	15	12
		198	181	81	21	820	580	262	41	338	35	33	87
		21	20	4	11	72	106	57	6	7	492	16	10
		43		4	4	95	121	26	17	3	21	40	16
			43	43	3	75	90					18	230
		24	21	13	1	6	96	423	37	33	1,641	2,029	1,139
		26	26	31	6	80	152	1	89	202	251	3,062	4,182
		51	757	236		179	349	8	2	53		165	75
			82	510	389	5	202	178	293	6	24	998	10,160
			95	46	4			313	218	33	31	337	229
			42								440		
	51	1,333	1,195	632	108	2,655	2,624	1,312	908	838	3,034	6,757	16,182
						751	797	123	202	110	730	73	67
					1	23	1	130	285	1,931	56	110	528
			3	3	3	4	3		1		556		
			3	3	4	778	801	253	488	2,041	1,342	1 ¹⁷ 230	1 ¹⁸ 1,570
5,222	4,044	1,737	2,891	2,769	2,237	4,694	5,626	7,234	10,708	3,489	6,587	5,171	5,435
1,251	524	9,948	10,613	12,048	14,303	3,309	2,864	3,808	9,218	9,634	11,715	14,546	7,020
136	40	471	1,478	3,915	2,563	602	65	525	2,403	2,013	6,408	8,651	255
		661	387	515	753	892	533	335	71	255	391	819	535
									145				
6,609	4,608	12,817	15,360	19,237	19,856	9,397	9,088	11,902	22,540	15,391	25,099	1 ¹⁷ 31,503	1 ¹⁸ 13,545
30	183					1,219	117	272	99	148	105		
			28										
30	183		28			1,219	117	272	99	148	105		
149	9	14	488	309		227	668	680	388	801	473	189	79
			30							2		270	
		107	209	492	633	306	114	84	127	446	2,739	1,238	1,353
149	9	121	727	801	633	633	782	764	515	1,249	3,212	1,697	1,482
						2,372							
							312			13	65		
						2,372	312			13	65		1 ¹⁹ 100,000
		7,637	10,410	12,875	7,736	4,205	8,000	12,345	6,871	7,183	20,495	19,661	8,880
		1,939	617	2,402	11	201	17	552	17	69	367	485	705
		1,195	1,180	656	285	257	112	16	12				
		429	479	555	86	834	734	664	296	421	158	133	29
		10	1,027	1,209	177	239	1,061	1,966	12,204	926	4,765	2,523	752
						148	200	15	43	43	294	312	
							718	763	1,256	481	513	292	206
		3,573	3,303	4,822	707	1,731	2,642	3,976	13,738	1,940	6,087	3,745	1,692
13,982	35,636	69,776	104,037	138,991	147,221	103,638	84,008	100,164	123,753	108,730	112,945	121,672	200,552

6. Miscellaneous
(in thousands of dollars)

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
2,941	16,309												

¹³ Credit of \$96,000.00 deducted in Budget statement No. 2.
¹⁴ Cemeterial and parks.
¹⁵ Includes \$2,900,000 of miscellaneous defense construction by the Department of State not itemized in the table.
¹⁶ Includes \$47,000 of construction by Bureau of Mines not itemized in the table.
¹⁷ Includes \$975,000 of construction by Bureau of Mines not itemized in the table.

¹⁷ Includes \$2,316,000 of construction by the Public Health Service not itemized in the table.
¹⁸ Includes \$300,000 of construction by the Public Health Service not itemized in the table.
¹⁹ Consists of \$100,000.00 of national defense housing construction by the Federal Works Agency not itemized in the table.

TABLE No. 2.—Summary of expenditures for construction by Federal corporate and

[All figures

Function	1921	1922	1923	1924	1925	1926	1927
2. Public land development:							
e. Miscellaneous, total							
3. Transportation:							
i. Miscellaneous, ¹ total	\$4,102	\$1,469	\$631	\$312	\$1,108	\$887	\$1,605
5. Government plant:							
g. Housing, total							
Grand total	4,102	1,469	631	312	1,108	887	1,605

TABLE

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
2. Public land development:							
e. Miscellaneous:							
1. Farm Security Administration, ² total							
3. Transportation:							
i. Miscellaneous:							
1. Inland Waterways Corporation ³	\$2,335	\$1,459	\$604	\$114	\$824	\$476	\$1,139
2. Panama R. R. Co. ⁴	1,767	10	27	198	284	411	466
Total	4,102	1,469	631	312	1,108	887	1,605
5. Government plant:							
g. Housing:							
1. Farm Security Administration ²							
2. U. S. Housing Authority ⁴ (P. W. A. Housing Division)							
Total							

¹ Includes vessels.² Source is U. S. Department of Agriculture Report on the financial status and operations of the Farm Security Administration from inception to June 30, 1939, statement of reconciliation of changes in net worth with statement of revenues and expenditures for each fiscal year from 1935 to 1939, inclusive. 1940 figures represent special tabulation. The real properties (including land) purchased and constructed

by the Farm Security Administration and its predecessors include rehabilitation projects of several types, community or contiguous farm projects, separate farms subsistence homestead projects, suburban housing projects and migratory labor camps. Subsistence homestead projects acquired from the Department of the Interior have been excluded. The land utilization projects cover conservation of all kinds, forestation, terracing, check dams, soil conservation, etc. The cost of land

TABLE No. 3.—Summary of expenditures for Federal grants for public construction

[All figures

Function	1921	1922	1923	1924	1925	1926	1927
1. Water use and control:							
a. Flood control							
c. Reclamation and irrigation							
d. Transmission and electric plant							
e. Public water supply systems							
f. Public sewer systems							
g. Miscellaneous							
Total							
2. Public land development:							
b. Forests							
d. Soil erosion control							
e. Miscellaneous							
Total							
3. Transportation:							
a. Roads	\$57,452	\$91,653	\$72,148	\$80,969	\$95,337	\$88,480	\$82,975
c. Aids and assistance to navigation							
d. Airports and airways							
h. Railroads							
i. Miscellaneous							
Total	57,452	91,653	72,148	80,969	95,337	88,480	82,975
4. Defense, total							
5. Government plant:							
a. Public buildings							
d. Welfare and health							
f. Education							
g. Housing							
j. Recreation							
k. Utilities							
l. Miscellaneous							
Total							
6. Miscellaneous, total							
Grand total ²	57,452	91,653	72,148	80,969	95,337	88,480	82,975

See footnotes on pages 92 and 93.

The Program—for National Development

quasi-corporate agencies classified according to function, fiscal years 1921-40 inclusive

in thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
							\$2	\$18,099	\$47,649			\$5
\$2,523	\$1,633	\$3,839	\$3,177	\$1,639	\$366	\$329	31	134	914	\$5,589	\$10,524	
						5	9,014	33,295	99,992	79,408	9,422	6,024
2,523	1,633	3,839	3,177	1,639	366	324	9,047	51,528	148,555	84,997	19,946	6,029

No. 2-A

in thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
							\$2	\$18,099	\$47,649			\$5
\$1,566 957	\$1,151 482	\$3,201 638	\$2,709 468	\$1,000 649	\$324 42	\$312 17	31	1	305 609	\$1,754 3,835	\$1,250 9,274	(0) (0)
2,523	1,633	3,839	3,177	1,639	366	329	31	134	914	5,589	10,524	
							212	11,668	49,930	33,128	5,970	5,803
						5	8,802	21,627	50,062	22,744	3,452	221
						5	9,014	33,295	99,992	79,408	9,422	6,024

and equipment is included.

* Source is special statement of Inland Waterways Corporation. 1940 data not available; books kept on calendar year basis.

* Estimated.

* Source is special statement of Panama R. R. Co. 1940 data not available. From 1937 to 1939 expenditures of the Panama R. R. Steamship Line are included.

* The P. W. A. Housing Division projects were turned over to the United States Housing Authority in November 1937.

classified according to function, fiscal years 1921-40, inclusive 1

in thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
						\$29,514	\$140	\$9,152	\$494	\$530		
						4,085	24,101	44,319	57,786	37,175	\$45,646	\$25,352
						62	85	13,723	9,133	1,130	1,130	310
						200	17,494	30,497	44,386	39,623	62,768	43,124
						419	34,769	101,165	103,883	88,849	138,330	90,511
						18	349	1,248	1,728	1,942	2,260	1,619
						34,301	76,888	206,109	217,410	168,119	248,134	161,416
							351	2,032	2,134	981	7,839	4,613
							81,774	2,194	4,050	1,012	2,644	1,797
							321	1,880	17,047	3,382	7,226	8,930
							82,446	6,086	23,231	29,262	5,810	17,700
\$82,516	\$84,007	\$77,891	\$155,889	\$188,717	\$165,735	494,846	446,916	625,608	873,269	670,595	1,009,419	697,456
						524	2,975	4,450	6,274	5,122	6,013	4,166
						11,856	10,329	18,150	35,107	21,320	34,381	19,441
							252	1,347	1,258	1,428	1,551	1,676
								18,113	12,433	19,208	34,561	24,581
82,516	84,007	77,891	155,889	188,717	165,735	507,478	462,734	662,668	933,340	717,678	1,083,925	747,319
							5,618	6,544	16,354	11,556	34,870	23,042
						122,153	19,000	37,901	57,910	39,825	51,835	36,615
						37,083	22,217	65,104	77,689	45,312	63,464	40,668
						830	35,923	110,504	124,365	104,436	181,912	127,383
								2,468	5,809	249	3,970	944
						35,359	86,376	168,016	186,403	130,647	166,983	92,785
						29,224	4,981	8,414	26,958	11,919	33,179	36,004
						35	17,891	15,891	15,161	15,827	28,578	23,631
						224,184	186,388	408,298	497,295	351,216	526,921	368,030
						33,204	978	8,112	2,962	1,412	5,274	3,778
82,516	84,007	77,891	155,889	188,717	165,735	881,618	738,592	1,314,962	1,696,613	1,255,785	1,918,833	1,307,925

TABLE NO. 3-A.—1. Water use and control

[All figures in thousands]

Agency	1934	1935	1936	1937	1938	1939	1940
a. Flood control:							
1. PWA.....	\$11	\$140	\$9,152	\$494	\$530		
2. WPA.....	29,503						
Total.....	29,514	140	9,152	494	530		
c. Reclamation and irrigation:							
1. PWA.....	25	594	416	1,481	353	\$377	\$270
2. WPA.....	4,063	23,507	43,903	56,305	36,822	45,269	25,082
Total.....	4,088	24,101	44,319	57,786	37,175	45,646	25,352
d. Transmission and electric plant:							
1. PWA, total.....	62	35	13,728	9,133		1,130	810
e. Public water supply systems:							
1. PWA.....	200	3,142	12,896	15,057	12,004	29,383	21,048
2. WPA.....	(*)	14,352	23,601	29,329	27,619	33,385	22,076
Total.....	200	17,494	36,497	44,386	39,623	62,768	43,124
f. Public sewer systems:							
1. PWA.....	419	3,107	29,950	14,070	15,359	28,630	20,508
2. WPA.....	(*)	31,662	71,215	89,813	73,490	107,700	70,003
Total.....	419	34,769	101,165	103,883	88,849	136,330	90,511
g. Miscellaneous:							
1. PWA, total.....	18	349	1,248	1,728	1,942	2,260	1,619
Grand total.....	34,301	76,888	206,109	217,410	168,110	248,134	161,416

TABLE NO. 3-B.—2. Public land development ¹

[All figures in thousands]

Agency	1934	1935	1936	1937	1938	1939	1940
b. Forests:							
1. WPA, total.....	\$351	\$2,032	\$2,124	\$981	\$1,416	\$7,839	\$4,613
d. Soil erosion control:							
1. PWA.....				(*)	176	(*)	(*)
2. WPA.....	*81,774	2,194	4,050	6,367	836	2,644	1,797
Total.....	81,774	2,194	4,050	6,367	1,012	2,644	1,797
e. Miscellaneous:							
1. WPA, total.....	321	1,860	17,047	21,904	3,382	7,226	8,930
Grand total.....	82,446	6,086	23,231	29,252	5,810	17,709	15,340

See footnotes on pages 92 and 93.

TABLE No. 3-C.—

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
a. Roads:							
1. PWA.....							
2. WPA.....							
3. Bureau of Public Roads.....	\$57,452	\$91,653	\$72,148	\$80,969	\$95,337	\$88,480	\$82,975
Total.....	57,452	91,653	72,148	80,969	95,337	88,480	82,975
c. Aids and Assistance to Navigation:							
1. PWA.....							
2. WPA.....							
Total.....							
d. Airports and Airways:							
1. PWA.....							
2. WPA.....							
Total.....							
e. Railroads:							
1. WPA.....							
f. Miscellaneous:							
1. PWA.....							
2. WPA.....							
Total.....							
Grand total.....	57,452	91,653	72,148	80,969	95,337	88,480	82,975

TABLE No. 3-D.—

[All figures

Agency	1921	1922	1923	1924	1925	1926	1927
1. WPA,¹ total.....							

¹ WPA figures derived from report Showing the Financial Status of Funds Provided in the Emergency Relief Appropriation Acts of 1935, 1936, 1937, 1938, and 1939 published by the U. S. Treasury Department as of June 30, 1936, 1937, 1938, 1939, and 1940. The figures for 1934 represent CWA and FERA Expenditures. CWA data were drawn from Analysis of Civil Works Program Statistics published by the Works Progress Administration in June 1939 with certain adjustments made to exclude non-Federal contributions. The source of the FERA material was a mimeographed pamphlet issued by the Federal Emergency Relief Administration, Estimated Total Costs of Projects Conducted Under the Emergency Work Relief Program, Continental United States. Data for construction outside continental United States could not be obtained. The FERA figures were distributed over the fiscal years 1934, 1935, and 1936 in accordance with a special tabulation of earnings on FERA projects prepared by the Work Projects Administration. The 1935 figures appearing under WPA in the supporting tables represent FERA expenditures, while the

amounts given for 1936 include both WPA and FERA expenditures. All CWA, FERA, and WPA expenditures were reduced by 15 percent at the suggestion of WPA to exclude maintenance. Cumulative expenditures of \$27,786,000 for land utilization and rural rehabilitation programs administered by the Farm Security Administration could not be excluded from the WPA figures. They are not included in the Farm Security Administration totals. However, transfers to all other Federal agencies are not included under WPA. The Bureau of Public Roads (now Public Roads Administration) figures are those reported by the Department of Commerce. The project type distribution of PWA grants was estimated by applying the percentage which each project type was of the total grant allotment for each fiscal year to the grant payments made within each year. Since grant allotments by project type were not available for 1940 the 1939 percentages were applied to the 1940 grant payment data.

The Program—for National Development

3. Transportation

(in thousands)

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
						\$157	\$6,518	\$17,897	\$27,153	\$13,770	\$67,054	\$48,033
\$82,515	\$84,007	\$77,891	\$155,889	\$188,717	\$165,735	270,879	158,882	377,364	504,876	426,136	749,231	482,141
						223,810	281,516	220,357	346,540	230,659	193,134	167,262
82,515	84,007	77,891	155,889	188,717	165,735	494,846	448,916	625,608	878,268	670,565	1,009,419	607,456
						11	10	187	247	1,599	2,637	1,889
						513	2,965	4,263	6,027	3,533	3,376	2,277
						624	2,975	4,450	6,274	5,122	6,013	4,166
						2		21	247	177	377	270
						11,854	10,329	18,129	34,860	21,143	34,004	19,171
						11,856	10,329	18,150	35,107	21,320	34,381	19,441
								1,347	1,268	1,428	1,551	1,675
						252	2,514	13,104	12,095	18,359	34,281	24,567
								9	338	849	230	24
						252	2,514	13,113	12,433	19,208	34,561	24,681
82,515	84,007	77,891	155,889	188,717	165,735	507,478	462,734	662,668	933,340	717,673	1,085,925	747,519

4. Defense

(in thousands)

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
							\$5,518	\$6,544	\$16,354	\$11,556	\$34,870	\$22,042

¹ The cost of land is not included in WPA construction grants, the land being supplied by the sponsor. However, in the case of PWA, 1.4 percent of the total estimated cost of projects constructed under the PWA non-Federal program was for the purchase of the site. The RFC states that an extremely small proportion of its loans was expended for the purchase of land, in most cases the entire proceeds of the loan having been used for construction.

² Includes waterways.

³ Includes some grants for flood control.

⁴ Water power development.

⁵ The CWA reports do give a break-down of utilities grants which probably include some made for sewer and water systems.

⁶ Some expenditures for wildlife are listed for WPA in the source but since according to WPA they were not for construction they have been excluded from this tabulation.

⁷ Includes parks.

⁸ Less than 0.1 percent of total; no estimate made.

⁹ Includes bridges, tunnels, viaducts, subways, wharves, and small amount for "other" engineering structures.

¹⁰ In the source this item is described as "Federal government buildings including military and naval" mainly armories according to WPA.

¹¹ Includes improvement of grounds around public buildings.

¹² A break-down of CWA expenditures for public buildings is not available. This figure is a total which is not comparable with the amounts given for public buildings in all other years since it includes all types of buildings.

¹³ One-half the amount listed as having been spent for Sanitation and Health is considered by WPA to have been for construction.

¹⁴ CWA does not give a break-down of "Utilities." Therefore, this may include water and sewer systems which elsewhere have been classified as water use and control.

TABLE NO. 3-E.—5. Government Plant

[All figures in thousands]

Agency	1934	1935	1936	1937	1938	1939	1940
a. Public buildings:							
1. PWA.....	\$62	\$1,257	\$9,320	\$18,760	\$12,534	\$19,599	\$14,032
2. WPA ".....	122,091	17,743	29,581	39,150	27,291	32,246	22,583
Total.....	122,153	19,000	37,901	57,910	39,825	51,835	36,615
d. Welfare and health:							
1. PWA.....	127	3,666	14,768	41,716	17,301	29,383	21,048
2. WPA ".....	36,956	18,551	50,336	35,973	28,011	34,061	19,620
Total.....	37,083	22,217	65,104	77,689	45,312	63,464	40,668
f. Education:							
1. PWA.....	330	8,623	70,302	74,053	67,084	129,588	92,828
2. WPA ".....		27,300	40,202	50,312	37,352	52,324	34,555
Total.....	330	35,923	110,504	124,365	104,436	181,912	127,383
g. Housing:							
1. WPA, total.....			2,468	5,809	249	3,970	944
i. Recreation:							
1. PWA.....	7	175	1,456	2,468	3,354	3,014	2,159
2. WPA.....	35,352	86,201	166,560	183,935	127,293	163,969	90,626
Total.....	35,359	86,376	168,016	186,403	130,647	166,983	92,785
k. Utilities:							
1. PWA.....	16	2,793	2,288	15,798	2,118	12,431	8,905
2. WPA.....	29,208	2,188	6,126	11,160	9,801	20,748	27,099
Total.....	29,224	4,981	8,414	26,958	11,919	33,179	36,004
l. Miscellaneous:							
1. PWA.....	35	1,012	4,160	9,330	8,474	11,301	8,096
2. WPA.....		16,879	11,731	8,781	10,353	14,277	18,535
Total.....	35	17,891	15,891	18,161	18,827	25,578	23,631
Grand total.....	224,184	186,388	408,298	497,295	851,215	526,921	368,030

See footnotes on pages 92 and 93.

TABLE NO. 3-F.—6. Miscellaneous

[All figures in thousands]

Agency	1934	1935	1936	1937	1938	1939	1940
a. PWA.....	\$66	\$978	\$8,112	\$2,962	\$1,412	\$5,274	\$3,778
b. WPA.....	33,118						
Total.....	33,204	978	8,112	2,962	1,412	5,274	3,778

TABLE NO. 4.—Summary of expenditures for Federal loans for public construction classified according to function, fiscal years 1933-40, inclusive ¹

[All figures in thousands]

Function	1933	1934	1935	1936	1937	1938	1939	1940
1. Water use and control:								
a. Flood control.....		\$797	\$1,284	\$14,493	\$896	\$668		
c. Reclamation and irrigation.....	\$1,765	4,895	7,947	1,258	3,501	1,188	\$1,409	\$736
d. Transmission and electric plant.....		8,427	8,843	38,193	9,174		11,510	3,581
e. Public water supply systems.....	10,415	28,207	41,904	45,637	44,935	31,549	22,816	14,412
f. Public sewer systems.....	136	20,615	11,301	10,467	2,192	2,172	2,375	2,623
g. Miscellaneous.....		507	2,711	1,074	510	1,571	932	1,057
Total.....	12,316	63,448	73,990	111,022	61,178	37,148	39,042	22,459
2. Public land development:								
d. Soil erosion control.....							104	117
Total.....							104	117
3. Transportation:								
a. Roads.....		2,173	11,841	1,745	408	267	11,876	31,043
c. Aids and assistance to navigation.....		797	143	268		468		
i. Miscellaneous.....	15,939	38,424	21,307	58,753	15,828	8,471	9,832	9,220
Total.....	15,939	41,394	33,291	58,766	16,236	9,206	21,708	40,263
5. Government plant:								
a. Public buildings.....		1,598	6,109	1,749	713	1,803	2,879	2,584
d. Welfare and health.....		2,680	13,696	2,818	204	134	6,734	7,632
f. Education.....		11,452	42,167	15,303	7,391	5,514	10,487	12,156
j. Recreation.....		217	856	5,602		134	259	294
k. Utilities.....		435	11,413	2,836	31,938	49,780	68,254	105,701
l. Miscellaneous.....		145	11,699	805	612	13,268	7,511	8,513
Total.....		16,527	85,940	29,013	40,858	70,133	96,124	136,890
6. Housing:								
Total.....						3,388	55,562	196,263
7. Miscellaneous:								
Total.....	840	3,652	5,243	787	153	267	10,916	42,401
Grand total.....	29,095	125,021	198,464	199,588	118,425	120,142	223,456	438,353

See footnotes on page 96.

TABLE NO. 4-A.—1. Water use and control

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
a. Flood control:								
1. PWA.....		\$797	\$1,284	\$14,493	\$866	\$608		
Total.....		797	1,284	14,493	866	608		
c. Reclamation and irrigation:								
1. PWA.....		1,955	5,279	408	2,294	668	\$363	\$411
2. RFC.....	\$1,765	2,940	2,668	855	1,207	520	1,046	375
Total.....	1,765	4,895	7,947	1,263	3,501	1,188	1,409	786
d. Transmission and electric plant:								
1. PWA.....		4,490	428	27,644	9,174		3,161	3,581
2. RFC.....		3,937	8,415	10,549			8,349	
Total.....		8,427	8,843	38,193	9,174		11,510	3,581
e. Public water-supply systems:								
1. PWA.....		7,532	19,116	8,454	4,383	2,741	2,227	2,524
2. RFC.....	10,415	20,675	22,788	37,083	40,552	28,808	20,589	11,858
Total.....	10,415	28,207	41,904	45,537	44,935	31,549	22,816	14,412
f. Public sewer systems:								
1. PWA.....		19,844	11,271	10,467	2,192	2,172	2,020	2,290
2. RFC.....	136	771	30				355	333
Total.....	136	20,615	11,301	10,467	2,192	2,172	2,375	2,623
g. Miscellaneous:								
1. PWA.....		507	2,711	1,074	510	1,571	932	1,057
Total.....		507	2,711	1,074	510	1,571	932	1,057
Grant total.....	12,316	63,448	73,990	111,022	61,178	37,148	39,042	22,459

TABLE NO. 4-B.—2. Public land development

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
d. Soil erosion control:								
1. PWA.....							\$104	\$117
Total.....							104	117
Grand total.....							104	117

TABLE NO. 4-C.—3. Transportation

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
a. Roads:								
1. PWA.....		\$2,173	\$11,841	\$1,745	\$408	\$267	\$2,435	\$2,760
2. RFC.....							9,441	28,283
Total.....		2,173	11,841	1,745	408	267	11,876	31,043
c. Aids and assistance to navigation:								
1. PWA.....		797	143	268		468		
Total.....		797	143	268		468		
f. Miscellaneous:								
1. PWA.....		19,046	2,283	41,600	1,223	2,640	829	939
2. RFC.....	\$15,939	19,378	19,024	15,153	14,605	5,831	9,003	8,281
Total.....	15,939	38,424	21,307	56,753	15,828	8,471	9,832	9,220
Grand total.....	15,939	41,394	33,291	58,766	16,236	9,206	21,708	40,263

See footnotes on page 96.

TABLE NO. 4-D.—5. Government Plant

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
a. Public buildings:								
1. PWA.....		\$869	\$3,709	\$1,074	\$663	\$1,303	\$363	\$411
2. RFC.....		729	2,400	675	50		2,516	2,173
Total.....		1,598	6,109	1,749	713	1,303	2,879	2,584
d. Welfare and health:								
1. PWA.....		2,680	13,096	2,818	204	134	6,734	7,632
Total.....		2,680	13,096	2,818	204	134	6,734	7,632
f. Education								
1. PWA.....		10,356	41,945	15,298	7,391	5,514	8,755	9,921
2. RFC.....		1,096	222	5			1,732	2,235
Total.....		11,452	42,167	15,303	7,391	5,514	10,487	12,156
j. Recreation:								
1. PWA.....		217	856	5,502		134	250	294
Total.....		217	856	5,502		134	250	294
k. Utilities:								
1. PWA.....		435	11,413	2,013	20,906	1,604	5,957	6,752
2. REA ⁴				823	11,042	48,176	62,297	98,949
Total.....		435	11,413	2,836	31,938	49,780	68,254	105,701
l. Miscellaneous:								
1. PWA.....		145	11,609	805	612	13,268	7,511	8,513
Total.....		145	11,609	805	612	13,268	7,511	8,513
Grand total.....		16,527	85,940	29,013	40,858	70,133	96,124	136,880

TABLE NO. 4-E.—6. Housing

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
1. U. S. H. A.....						\$3,388	\$55,562	\$106,263
Total.....						3,388	55,562	106,263

TABLE NO. 4-F.—7. Miscellaneous

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
1. PWA.....		\$579	\$4,993	\$537	\$153	\$267	\$10,152	\$11,507
2. RFC.....	\$840	3,073	250	250			764	30,894
Total.....	840	3,652	5,243	787	153	267	10,916	42,401
Grand total.....	840	3,652	5,243	787	153	267	10,916	42,401

¹ Compiled from special tabulations prepared by the United States Housing Authority, Rural Electrification Administration, and Reconstruction Finance Corporation. The project type distribution of Public Works Administration loans was estimated by applying the percentage which each project type was of the total loan allotment for each fiscal year to the loan payments to public agencies within that fiscal year as recorded by the Public Works Administration. Since loan allotments by project type were not available for 1940, the 1939 percentages were applied to the 1940 loan payment data.

² Includes loans to mutual associations and cooperatives.

³ Seven-tenths of one percent of the loans for power development were made for the construction of steam and Diesel engine plants.

⁴ A minute percentage of the loans made by REA was to private utility companies, almost the entire amount having been lent to cooperatives and publicly owned utilities.

TABLE No. 5.—Summary of expenditures for Federal loans and Federal guaranties for private construction, classified according to function, fiscal years 1933-40, inclusive ¹
[All figures in thousands]

Function	1933	1934	1935	1936	1937	1938	1939	1940
1. Water use and control:								
a. Flood control.....		\$11						
c. Reclamation and irrigation.....		422	\$521					
e. Public water-supply systems.....	\$87	115	53					
g. Miscellaneous.....		427						
Total.....	87	975	574					
2. Land development:								
c. Miscellaneous.....						\$199	\$584	\$1,034
Total.....						199	584	1,034
3. Transportation:								
a. Railroads.....		74,494	101,309	\$24,077	\$1,095			
i. Miscellaneous.....	99	1,932	225					
Total.....	99	76,426	101,534	24,077	1,095			
5. General facilities:								
d. Welfare and health.....		422	6,467	113				
f. Education.....		76	1,855	6,924				
i. Miscellaneous.....	217	541	2,286	448	1,875	1,518	6,330	8,919
Total.....	217	1,039	10,598	7,485	1,875	1,518	6,330	8,919
6. Housing, total.....		5,312	23,062	197,726	399,348	427,564	675,092	706,784
7. Miscellaneous, total.....					3,512	180		
Grand total.....	403	83,752	135,758	229,288	405,830	429,461	682,006	718,737

TABLE No. 5-A.—1. Water use and control
[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
a. Flood control:								
1. PWA, total.....		\$11						
c. Reclamation and irrigation:								
1. PWA.....		68						
2. RFO.....		354	\$521					
Total.....		422	521					
e. Public water-supply system:								
1. PWA.....		66	53					
2. RFO.....	\$87	49						
Total.....	87	115	53					
g. Miscellaneous:								
1. PWA, total.....		427						
Grand total.....	87	975	574					

TABLE No. 5-B.—2. Land development
[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
c. Miscellaneous:								
1. Farm Security Administration.....						\$199	\$584	\$1,034
Total.....						199	584	1,034
Grand total.....						199	584	1,034

See footnotes on page 98.

TABLE NO. 5-C.—3. *Transportation*

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
A. Railroads:								
1. PWA, total.....		\$74,404	\$101,309	\$24,077	\$1,005			
f. Miscellaneous:¹								
1. PWA.....		247						
2. RFC.....	\$99	1,685	225					
Total.....	99	1,932	225					
Grand total.....	99	76,426	101,534	24,077	1,005			

TABLE NO. 5-D.—5. *General facilities*

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
d. Welfare and health:								
1. PWA, total.....		\$422	\$6,457	\$113				
f. Education:								
1. PWA, total.....		76	1,855	6,924				
i. Miscellaneous.								
1. PWA.....		34	2,236					
2. RFC.....	\$217	507	50					
3. RFC Mortgage Co. ²				448	\$1,875	\$1,022	\$4,311	\$5,732
4. FSA.....					496	496	2,019	3,187
Total.....	217	541	2,286	448	1,875	1,518	6,330	8,919
Grand total.....	217	1,039	10,598	7,485	1,875	1,518	6,330	8,919

TABLE NO. 5-E.—6. *Housing*

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
1. PWA.....		\$697	\$7,172	\$2,243	\$285			
2. RFC.....		4,615	3,491	71	37			
3. FSA ³						\$561	\$2,138	\$4,137
4. FHA.....			12,389	195,412	399,026	427,003	672,954	702,647
Total.....		5,312	23,052	197,726	399,348	427,564	675,092	706,784

TABLE NO. 5-F.—7. *Miscellaneous*

[All figures in thousands]

Agency	1933	1934	1935	1936	1937	1938	1939	1940
1. PWA, total.....					\$3,512	\$180		

¹ Special tabulations were prepared by the RFC, RFC Mortgage Co., FSA, and FHA. FSA figures for 1940 were taken from a report of the U. S. Department of Agriculture, Farm Security Administration, Tenant Purchase Division entitled "Tenant Purchase Loans" Report No. 8. Certain data pertaining to the RFC was available in its quarterly reports as of June 30, 1938, and June 30, 1939. PWA loans to railroads and housing corporations are recorded figures. Other PWA loans payments were estimated by applying the percentage which each project type represented of the loan allotment in each fiscal year to the net figure remaining after deducting railroad and housing loan payments from total loan payments (private) within each fiscal year.

² If a portion of the loan was spent for the purchase of land this amount has been included. It is estimated by PWA that 1.4 percent of the total estimated cost of PWA non-Federal projects was for the purchase of land. In the case of FHA guaran-

ties because of certain compensating factors present it may be roughly estimated that the entire volume of loans insured was equivalent to the value of the improvements on the land. The mortgages insured represent about 85 percent of the total value of the property while the land amounts to about 15 percent of the total value. The RFC states that an infinitesimal proportion of its loans was expended for the purchase of land, in most cases the entire proceeds of the loan having been used for construction.

³ Terracing, conservation of various types.
⁴ Includes docks, terminals, bridges, and other structures.
⁵ Loans on income-producing business properties; includes repairs and improvements.

⁶ Loans to tenant farmers for purchase and construction under Bankhead-Jones Act.

TABLE NO. 6.—Summary of Federal expenditures, corporation outlays, grants, loans, and

[All figures

Function	1921	1922	1923	1924	1925	1926	1927
1. Water use and control:							
a. Flood Control ¹							\$11,591
b. TVA.....							2,752
c. Reclamation and irrigation.....	\$6,073	\$4,946	\$5,650	\$6,782	\$3,800	\$3,300	7,276
d. Transmission and electric plant.....							
e. Public water-supply systems.....							
f. Public sewerage systems.....							
g. Miscellaneous.....							
Total.....	6,073	4,946	5,650	6,782	3,800	3,300	21,619
2. Public land development:							
a. Parks ²							1,842
b. Forests.....	6,382	6,263	6,459	7,817	13,066	12,714	12,151
c. Wildlife.....	120	36	25	5	1	7	24
d. Soil-erosion control.....							
e. Miscellaneous.....							
Total.....	6,511	6,299	6,484	7,822	13,067	12,721	14,017
3. Transportation:							
a. Roads.....	58,677	91,653	74,959	85,647	95,337	88,480	82,975
b. Rivers and harbors ¹	58,820	43,317	51,393	75,692	79,429	60,004	51,041
c. Aids and assistance to navigation.....	808	1,185	607	786	543	997	74
d. Airports and airways.....							
e. Panama Canal.....	16,461	11,063	3,621	7,143	9,068		
f. Nicaragua Canal.....							
g. Railroads ²	11,328	4,368	4,473	3,036	2,358	1,875	2,038
h. Miscellaneous.....	2,910	1,450	604	114	824	476	1,120
Total.....	149,004	153,044	135,657	172,417	187,684	160,833	137,267
4. Defense:							
a. Navy Department.....	14,212	10,454	10,073	6,177	3,750	3,257	3,027
b. War Department.....	52,461	16,569	12,164	6,459	4,581	7,001	9,684
c. War Department—Nonmilitary.....	190						
d. Miscellaneous.....							
Total.....	66,863	27,023	22,237	12,636	8,331	10,258	12,711
5. Government plant and general facilities:							
a. Public buildings.....	9,714	5,209	3,454	2,430	2,756	1,940	8,736
b. Research facilities.....							
c. Surveys and investigations.....							
d. Welfare and health.....	285	12,054	10,291	11,611	5,091	5,981	5,976
e. Law enforcement.....	311	80	174	141	410	73	61
f. Education.....	47	528	24	3	47	150	233
g. District of Columbia.....							
h. Facilities outside continental United States.....				45	27		
i. Recreation.....							
j. Utilities.....							
k. Miscellaneous.....							
Total.....	10,357	17,961	13,943	14,250	8,331	8,144	15,006
6. Housing, total							
7. Miscellaneous, total			1,294	244	253	811	1,560
Grand total	238,808	200,273	185,274	214,151	221,465	196,156	202,180

¹ From 1921 to 1926, inclusive, expenditures for flood control are included under the item "Rivers and harbors."² From 1921 to 1926, inclusive, expenditures for the National Park Service are not listed in the Budget statement of construction expenditures.

The Program—for National Development

guaranties for new construction classified according to function, fiscal years 1921-40, inclusive

In thousands]

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 ⁴
\$18,271	\$25,840	\$22,805	\$35,844	\$27,996	\$35,118	\$72,184	\$35,827	\$65,119	\$51,640	\$66,177	\$76,444	\$105,749
711	530					8,020	21,179	41,665	35,545	36,538	31,543	39,136
9,534	10,618	9,398	9,442	23,877	25,832	34,675	75,117	96,524	112,935	105,345	120,164	124,828
		22	11	16	14	9,935	10,267	58,661	22,907	7,169	24,280	17,771
					10,502	28,522	59,461	82,034	89,321	71,172	85,584	57,534
					136	21,034	48,070	111,632	106,075	91,021	138,705	93,134
						852	3,060	2,322	2,238	3,513	3,192	2,676
23,516	36,283	32,225	45,297	51,688	71,602	175,220	260,971	457,757	420,661	380,935	488,912	440,830
3,416	4,149	4,077	6,252	6,913	6,537	8,675	13,826	14,536	23,190	18,023	21,158	16,072
11,001	12,462	11,097	20,641	18,117	12,799	25,399	24,816	23,034	23,894	19,878	26,542	17,524
4	19	292	463	350	158	568	843	1,995	1,987	1,490	2,747	1,068
				5	2	81,774	12,528	28,130	6,667	1,227	5,567	3,738
						321	1,862	35,146	69,553	3,581	7,810	8,969
14,421	16,630	15,466	27,356	25,385	19,496	116,737	53,875	102,843	125,291	44,199	63,824	48,401
82,515	86,000	80,874	162,608	197,059	171,352	500,773	462,853	630,094	880,702	672,803	1,023,212	730,628
58,870	57,718	47,437	53,598	55,842	49,123	79,115	133,036	152,195	147,470	99,047	76,779	61,573
290	900	876	1,488	2,955	2,644	3,811	6,379	5,710	8,439	7,405	14,645	9,260
		1,678	3,026	2,657	628	12,198	12,118	18,978	35,873	23,635	38,613	28,240
		1,418	1,280	2,220	5,276	4,582	1,956	2,478	2,520	2,223	2,457	15,700
		51	65									
957	902	866	804	199	74,864	101,665	25,886	3,400	5,791	11,307	2,033	
1,566	1,151	5,950	3,782	2,671	16,716	40,950	69,872	28,589	29,458	45,643	33,801	
144,198	146,261	139,186	226,513	264,208	245,938	715,793	742,049	905,213	1,106,993	840,263	1,212,667	881,235
4,885	7,314	8,103	12,941	13,246	12,626	14,110	13,686	14,463	19,053	14,979	48,094	81,652
6,288	13,338	11,585	25,655	29,718	13,796	35,542	34,290	17,374	23,676	34,375	61,499	72,248
	584	247	1,182	915		424	411					
						5,518	6,544	16,354	11,556	34,870	22,042	
11,173	21,236	19,935	39,778	43,879	26,422	50,076	53,895	38,381	59,083	60,910	144,463	175,942
7,194	30,785	44,294	73,002	100,621	118,177	204,399	85,163	108,678	137,217	121,055	108,220	97,278
	51	1,333	1,195	632	108	2,655	2,524	1,312	908	838	3,034	6,757
			3	3	4	778	801	253	488	2,041	1,342	230
6,609	4,608	12,817	15,369	19,237	19,856	49,582	51,458	79,937	100,433	60,837	95,297	79,803
30	183		28			1,219	117	272	99	148	105	
149	9	121	727	801	633	12,391	80,727	133,495	132,271	111,199	195,611	141,236
		7,637	10,410	12,875	7,736	4,205	8,000	12,345	6,871	7,183	20,495	19,661
		3,573	3,308	4,822	707	1,731	2,642	3,976	13,738	1,940	6,087	3,745
						35,576	87,232	173,518	186,403	130,781	167,242	93,079
						29,659	16,394	11,250	58,896	61,699	101,433	141,705
						721	31,876	17,144	20,648	33,613	39,419	41,063
13,982	35,636	69,775	104,037	138,991	147,438	342,916	366,934	542,180	657,972	531,334	738,285	624,567
						7,689	32,066	233,801	505,149	510,622	744,111	910,016
2,941	16,309				840	36,856	6,221	8,899	6,627	1,859	16,190	46,179
210,231	272,345	276,587	442,981	624,051	511,736	1,445,287	1,516,011	2,289,074	2,881,776	2,370,122	3,408,442	3,127,159

³ Includes the Panama R. R. Co., which operates many enterprises in addition to the railroad, the most important being the Panama R. R. Steamship Line.

⁴ No data available for 1940 for Inland Waterways Corporation and Panama R. R. Co.