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## ABSTRACT

The distribution of Federal outlays within the United States in fiscal year 1970 is summarized in this report. Selected Federal programs (242 programs comprising 74.4% of all Federal outlays) were divided into 4 program categories: human resource development; community development; agriculture and natural resources, and Defense, the National Aeronautical and Space Administration (NASA), and the Atomic Energy Commission (AEC). The counties affected by these programs were divided into 6 categories on the basis of population density and the percentage of urban population. Major conclusions of this initial study were that (1) nonmetropolitan residents do not share proportionately in the distribution of outlays of many Federal programs; (2) Federal outlays for Defense, NASA, and AEC far overshadow outlays for the other program categories and heavily favor the larger, higher income urban areas; (3) programs narrow in scope and limited in objective are failing to meet this country's development needs effectively; and (4) Federal outlays for agriculture and natural resources tend to be concentrated in nonmetropolitan counties with pronounced population declines but comparatively high per-capita incomes. Related documents are ED 050 874 (Part 1) and ED 056 799 (Part 2). (PS)

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**THE ECONOMIC AND SOCIAL CONDITION  
OF RURAL AMERICA IN THE 1970's**

**THE DISTRIBUTION OF FEDERAL  
OUTLAYS AMONG U.S. COUNTIES**

PREPARED BY:  
ECONOMIC DEVELOPMENT DIVISION  
ECONOMIC RESEARCH SERVICE  
U.S. DEPARTMENT OF AGRICULTURE



FOR THE  
**COMMITTEE ON GOVERNMENT OPERATIONS  
UNITED STATES SENATE  
NINETY-SECOND CONGRESS  
FIRST SESSION**

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
OFFICE OF EDUCATION

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**Part 3**



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## FOREWORD

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The Committee on Government Operations is pleased to present part 3 of its series on The Economic and Social Condition of Rural America in the 1970's. This study was prepared by the Economic Research Service of the Department of Agriculture in connection with the committee's hearings on S. 10, a bill to revitalize rural and other economically distressed areas.

This report is concerned with the distribution of Federal expenditures within the United States during fiscal year 1970. It scrutinizes a broad and extensive range of Federal programs—from social security to atomic energy—to determine whether their funding and the services they provide are equitably allocated amongst rural and urban residents.

This examination has significant implications for promoting a more balanced population distribution and for enhancing the economic development of America—particularly rural America whose needs have become one of our most important priorities.

The statistics compiled here are not an end in themselves. They speak objectively and compellingly to this vital goal of rejuvenating our Nation's heartland. If we are to make genuine progress in upgrading rural life—if our commitment to its betterment and growth are to be fulfilled—the cogent facts set forth in this study must be taken into account.

The committee is indebted to the Department of Agriculture for compiling this information, particularly to Dr. Freddy K. Hines and Dr. Lynn M. Daft for their help.

JOHN L. McCLELLAN,  
*Chairman, Committee on Government Operations.*

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## REPORT HIGHLIGHTS

- ★ RURAL AMERICANS DO NOT SHARE PROPORTIONATELY IN PROGRAMS FUNDED BY THE FEDERAL GOVERNMENT.
- ★ FEDERAL SPENDING ON HUMAN RESOURCES DEVELOPMENT—PROGRAMS SUCH AS EDUCATION, HEALTH, WELFARE, VOCATIONAL REHABILITATION, MANPOWER TRAINING AND DEVELOPMENT—DISPROPORTIONATELY FAVORS METROPOLITAN COUNTIES OVER NONMETROPOLITAN AREAS.
  - per capita outlays under conditions of pronounced population decline for health services are 4 times greater—welfare payments 4 times greater—manpower training and development 3 times greater—in metropolitan counties than in nonmetropolitan ones;
  - nonmetropolitan counties account for 66% of all standard housing units but receive only 16% of all Federal housing assistance;
  - nonmetropolitan counties account for 50% of all children between the ages of 6 and 17 in poverty level families, but receive only 20% of all Federal child welfare service funds—24% of Federal aid to families with dependent children—26% of Federal headstart and followthrough assistance; and 41% of Federal outlays for elementary and secondary educational programs aimed at meeting the specific needs of disadvantaged children in low income areas.
- ★ 8 OUT OF EVERY 10 FEDERAL DOLLARS SPENT ON DEFENSE, NASA, AND AEC PROGRAMS—TOTALLING \$63.9 BILLION—GO TO METROPOLITAN AREAS
- ★ IF RURAL REVITALIZATION IS TO BE ACHIEVED, A COMPREHENSIVE FEDERAL POLICY MUST BE ESTABLISHED AND IMPLEMENTED WHICH WOULD INSURE THAT AN EQUITABLE SHARE OF FEDERAL OUTLAYS ARE MADE AVAILABLE TO DISTRESSED NONMETROPOLITAN AREAS.

JOHN L. McCLELLAN,  
*Chairman, Committee on Government Operations.*

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## LETTER OF TRANSMITTAL

U.S. DEPARTMENT OF AGRICULTURE,  
ECONOMIC RESEARCH SERVICE,  
*Washington, D.C., December 20, 1971.*

HON. JOHN L. McCLELLAN,  
*Chairman, Committee on Government Operations, U.S. Senate, Wash-  
ington, D.C.*

DEAR MR. CHAIRMAN: Pursuant to your letter of March 18, 1971, to Secretary Hardin requesting a series of analyses on rural development, I am hereby transmitting a report on the distribution of Federal outlays.

In this, our second report of the series, we examine the relationship between the distribution of Federal outlays and degree of urbanization, per capita income, and trends in population and per capita income over time. Beyond the findings reported here, we hope this analysis stimulates further inquiry by other researchers.

I hope this report contributes to the Committee's work on this important issue.

Sincerely,

LINLEY E. JUERS,  
*Acting Administrator.*

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## SUMMARY AND CONCLUSIONS

This report is concerned with the distribution of Federal outlays within the United States in fiscal year 1970. The data used for this analysis were previously compiled for the Executive Office of the President by the Office of Economic Opportunity through its Federal Information Exchange System. The information, representing outlays at the county level for all major Federal programs, offers a unique opportunity to study the geographic distribution of Federal outlays and the effects of this distribution on economic development. It provides a good basis for making inferences concerning needed changes in the geographic distribution of Federal outlays to assure equal access to government services and to promote future population redistribution.

Selected Federal programs (242 programs comprising 74.7 percent of all Federal outlays) form the basis for the analysis. The 242 Federal programs were divided into four program categories:

- (1) *Human Resource Development*—consisting of programs in income maintenance (social security, welfare, etc.), education, vocational rehabilitation, health services, employment opportunities and manpower training and development, and programs for American Indians;
- (2) *Community Development*—comprised of programs in urban renewal, health service construction, development loans and grants, housing loans, and transportation;
- (3) *Agriculture and Natural Resources*—consisting of direct payments to farmers, conservation programs, and farm loan programs of the Department of Agriculture and the parks and forest programs of the Interior Department; and
- (4) *Defense, NASA, and AEC*—consisting of all programs of the Department of Defense, the National Aeronautical and Space Administration, and the Atomic Energy Commission.

Counties were divided according to metropolitan status, as defined by the Office of Management and Budget, and urban orientation. The latter classification divides counties into six categories on the basis of population density and the percent of the population living in urban places (places over 2,500).

Though comparisons of per capita Federal outlays among groups of counties with similar characteristics were used extensively in this report, equal per capita Federal outlays among county groups does not necessarily mean that the people living in these counties receive the same quality of service. Particularly in low income, low density, rural counties per capita Federal outlays may need to be higher than in high income, densely settled urban counties because of: (1) the limited ability of low income counties to raise State and local moneys to finance government services, (2) the inability of more sparsely settled counties to achieve economies of scale (lower cost per person)

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in providing comparable government services, and (3) the frequent need for more capital investment, on a per capita basis, to compensate for past inequities.

The results reported here are from an exploratory analysis of the data. Further studies now being planned will benefit from the experience gained in making this analysis and the refinements suggested by it. Nonetheless, we have learned enough from this initial study to draw the following conclusions:

- (1) *Nonmetropolitan residents do not share proportionately in the distribution of outlays of many Federal programs.* Overall, nonmetropolitan areas receive about 27 percent of all outlays, though they account for 30 percent of the total population. But more important than the slight aggregate disparity, is the extent to which nonmetropolitan areas fail to share proportionately in the benefits of specific programs.

Federal spending for human resources, for example, has greatly favored metropolitan counties. This is illustrated by the following comparisons for counties experiencing pronounced population declines: (a) per capita Federal welfare payments were roughly four times greater in metropolitan than in nonmetropolitan counties, (b) per capita outlays for health services were four times greater in metropolitan counties, and (c) per capita Federal outlays for manpower training and development were three times greater in metropolitan counties. Despite a greater incidence of substandard housing in nonmetropolitan counties. Per capita Federal housing outlays there were only half as large as in metropolitan counties. While nonmetropolitan counties accounted for two-thirds of all substandard housing units in 1968, they received only 16 percent of all housing assistance.

The distribution of program funds for low income families with children is particularly disparate. Though nonmetropolitan areas account for about half of all children between the ages of 6 to 17 years in families with income below the poverty level, these areas received only 41 percent of the outlays for Title I of the Elementary and Secondary Education Act, 36 percent of Headstart and Headstart Follow Through, 24 percent of Aid to Families With Dependent Children, and 20 percent of all Child Welfare Services funds.

- (2) *Federal outlays for Defense, NASA, and AEC far overshadow outlays for the other program categories and heavily favor the larger, higher income urban areas.* Outlays for these programs account for nearly half (42 percent) of all outlays examined. And, over \$8 of every \$10 spent for these programs went to metropolitan areas, leaving them with a per capita figure twice that of the nonmetropolitan counties. In the highly urban areas, per capita defense outlays were highest where population was declining fastest while in the less urbanized places higher defense outlays were associated with higher rates of population growth. Though this analysis did not seek to identify direct causal relationships between Federal program outlays and regional development, the associa-

tion of nonmetropolitan population growth with higher defense outlays is as suggestive of causation as any found in the study.

- (3) *In the absence of a unified national development policy, programs narrow in scope and limited in objective are failing to effectively meet this country's development needs. Though sparsely populated rural areas clearly have pressing human resource needs, as mentioned above, they receive a disproportionately small share of the available assistance. However, these same areas have received a significant large share of development loans (mainly for water and sewer systems, electrification, and telephones). In the long-term interest of both metro and nonmetropolitan growth, a distribution that provides a more equitable input of human resource assistance and development loans is suggested.*
- (4) *Federal outlays for agriculture and natural resources tend to be concentrated in nonmetropolitan counties with pronounced population declines but comparatively high per capita incomes. On a per capita basis, such outlays were (a) twice as great in high income nonmetropolitan counties as in their low income counterparts and (b) over four times as great in counties with pronounced population declines as in fast-growing counties.*

A serious reappraisal of the existing distribution of Federal outlays and the reasons for that distribution would seem necessary if we are to insure the equitable distribution of government services among all Americans and, at the same time, effectively use these programs to promote area and regional development. Those programs which would appear to have particular promise for bringing about the desired results are in the areas of: (a) housing, (b) health services, (c) manpower training and development, and (d) defense contracts and payrolls.

## INTRODUCTION

The objective of this report is to describe the geographic distribution of Federal outlays within the United States and to examine the implications this distribution has for future economic development. Counties form the basis for this analysis. Counties were grouped with respect to metropolitan status, degree of urbanization, per capita income, income growth, and population growth.

### RELATIONSHIP BETWEEN FEDERAL OUTLAYS AND ECONOMIC HEALTH

Interpretations of the causal relationship between Federal outlays and the economic health of a county cannot be made on the basis of this evidence alone. Advanced stages of economic development may in fact be the cause of greater Federal outlays rather than the result. Likewise, one should remember that many programs are targeted for populations that are not proportionately spread across the Nation. Thus, one would not expect outlays for poverty programs or for farm commodity programs, for example, to be distributed nationally in the same proportion as the total population. And it is not surprising to find large volumes of welfare payments accruing to low income counties and a large portion of U.S. agriculture payments accruing to sparsely settled rural counties.

There are other Federal programs, such as national defense, space exploration, and basic health research, for which the ultimate target population is the Nation. Thus, the distribution of outlays for these programs is determined not by the location of the beneficiary but by the location of an intermediate producer of the final product (e.g. the Boeing Aircraft Co. or Johns Hopkins University). Federal programs also vary according to immediate or long-term impact. Some outlays such as those for welfare purposes have their primary intended effect soon after the funds leave the Federal Government. Other outlays such as those used to finance highways or community services, yield their benefits over an extended period of time.

### DIFFERENCES IN LOCAL CAPACITY

In addition to differences in program purpose and differences in the geographic distribution of intended beneficiaries, there are also important differences in local capacity—capacity to raise State and local matching moneys and capacity to realize the same benefit per dollar spent. The former is a result of income; the latter of population density. Both variables are important to many rural areas. Thus, for counties to have equal access to public service, Federal outlays for some purposes may need to be substantially higher in: (1) low-income areas where ability to provide services from State and local sources is lower than in higher income areas, (2) areas of low population density which

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have a more difficult time achieving economies of scale in providing services, and (3) areas where the existing infrastructure (schools, roads, hospitals, etc.) is inadequate.

### PROGRAM SELECTION AND CLASSIFICATION

Data compiled for the Executive Office of the President by the Office of Economic Opportunity for fiscal year 1970 provide the basis for this analysis. Data for all Federal programs are published in *Federal Outlays in Fiscal Year 1970* by States and counties. Outlays from 242 Federal programs accruing to 2,970 counties within the 48 conterminous States are studied in this report. The Office of Economic Opportunity compiles the data through its Federal Information Exchange System in cooperation with all Federal departments and agencies.

Federal programs included in this analysis were selected on the basis of: (1) their relevance to the subject of economic development, (2) the program's relative dollar importance, and (3) the reliability of the outlay data to the county level.

### OUTLAYS TOTALED \$154 BILLION

Outlays under the included programs totaled \$154 billion, the equivalent of  $\frac{3}{4}$  of all fiscal year 1970 Federal outlays compiled in the OEO report (see table 1). Of this \$154 billion, 96 percent accrued within the 2,970 counties included in this study. The 242 selected programs were grouped into four general program types: human resource development, community development, agriculture and natural resources, and defense, space, and atomic energy. Each general program type was divided into several specific program types. Each specific program type was comprised of several individual programs (see appendix table 8 for the distribution of individual program outlays). For instance, of the 105 Federal programs providing \$55 billion for human resource development, there were 14 specific programs financing \$2.5 billion in Federal outlays for elementary and secondary education. And of the 14 programs for elementary and secondary education, outlays for deprived children (title I of the Elementary and Secondary Education Act) comprised \$1.3 billion.

INTRODUCTION

TABLE 1.—FEDERAL OUTLAYS, BY PROGRAMS AND APPROPRIATIONS, ACCRUING TO COUNTIES, BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970

| General and specific program type                                | Number of programs and appropriations | Government agency appropriations funding program | Federal outlays accruing to counties included in analysis (percent of total) |                     |           |              |           | Urban orientation   |                       |                        |                                |          |  |  |  |  |  |  |  |  |  |
|--|---------------------------------------|--|--|---------------------|-----------|--------------|-----------|---------------------|-----------------------|------------------------|--------------------------------|----------|--|--|--|--|--|--|--|--|--|
|  |                                       |  | Federal outlays fiscal year 1970 (millions)                                  | Metropolitan status |           | Highly urban | Urban     | Semi-isolated urban | Densely settled rural | Sparsely settled rural | with urban no urban population |          |  |  |  |  |  |  |  |  |  |
|  |                                       |  |  | Total (millions)    | SMSA      |              |           |                     |                       |                        |                                | Non-SMSA |  |  |  |  |  |  |  |  |  |
| <b>Human resources development:</b>                              |                                       |  |  |                     |           |              |           |                     |                       |                        |                                |          |  |  |  |  |  |  |  |  |  |
| Elementary and secondary education.....                          | 14                                    | HEW  | \$2,550.5  | \$2,413.1           | 65        | 35           | 49        | 20                  | 11                    | 6                      | 10                             | 5        |  |  |  |  |  |  |  |  |  |
| Adult basic education.....                                       | 1                                     | HEW  | 49.8   | 48.3                | 90        | 10           | 64        | 31                  | 4                     | 1                      | 1                              | (2)      |  |  |  |  |  |  |  |  |  |
| Education of the handicapped.....                                | 5                                     | HEW  | 84.3   | 82.0                | 86        | 14           | 66        | 23                  | 8                     | 1                      | 1                              | (2)      |  |  |  |  |  |  |  |  |  |
| Higher education payments and grants.....                        | 10                                    | HEW  | 580.9  | 565.4               | 69        | 31           | 50        | 24                  | 15                    | 4                      | 6                              | 1        |  |  |  |  |  |  |  |  |  |
| Higher education loans.....                                      | 3                                     | HEW  | 304.2  | 300.3               | 79        | 21           | 66        | 16                  | 10                    | 3                      | 4                              | (2)      |  |  |  |  |  |  |  |  |  |
| Research grants, fellowships.....                                | 19                                    | HEW, VA  | 1,326.1  | 1,279.9             | 92        | 8            | 79        | 16                  | 3                     | 1                      | 1                              | (2)      |  |  |  |  |  |  |  |  |  |
| Vocational rehabilitation.....                                   | 8                                     | HEW  | 519.6  | 500.2               | 60        | 40           | 45        | 17                  | 11                    | 7                      | 13                             | (2)      |  |  |  |  |  |  |  |  |  |
| Health services.....   | 15                                    | HEW, VA, OEO                                     | 2,282.6  | 2,218.3             | 81        | 19           | 68        | 20                  | 7                     | 2                      | 3                              | (2)      |  |  |  |  |  |  |  |  |  |
| Social security and other retirements.....                       | 8                                     | HEW, LABOR, RRB                                  | 37,239.1   | 36,135.1            | 67        | 33           | 52        | 19                  | 10                    | 6                      | 9                              | 4        |  |  |  |  |  |  |  |  |  |
| Welfare.....   | 9                                     | HEW  | 8,150.6  | 7,953.6             | 69        | 31           | 55        | 14                  | 12                    | 5                      | 10                             | 4        |  |  |  |  |  |  |  |  |  |
| Employment opportunities, manpower training and development..... | 12                                    | Labor, HEW, OEO                                  | 1,454.5  | 1,405.8             | 77        | 23           | 62        | 16                  | 9                     | 5                      | 5                              | 4        |  |  |  |  |  |  |  |  |  |
| Programs for American Indians.....                               | 1                                     | Interior   | 329.6  | 288.9               | 32        | 68           | 28        | 2                   | 30                    | 0                      | 20                             | 20       |  |  |  |  |  |  |  |  |  |
| <b>Total.....</b>  | <b>105</b>                            |  | <b>54,871.8</b>  | <b>53,191.0</b>     | <b>69</b> | <b>31</b>    | <b>54</b> | <b>18</b>           | <b>10</b>             | <b>5</b>               | <b>8</b>                       | <b>4</b> |  |  |  |  |  |  |  |  |  |
| <b>Community development:</b>                                    |                                       |  |  |                     |           |              |           |                     |                       |                        |                                |          |  |  |  |  |  |  |  |  |  |
| Urban renewal.....   | 6                                     | HUD, OEO   | 1,993.3  | 1,915.7             | 75        | 21           | 64        | 20                  | 8                     | 3                      | 4                              | 1        |  |  |  |  |  |  |  |  |  |
| Health service construction.....                                 | 5                                     | HEW, VA  | 320.3  | 314.0               | 64        | 36           | 49        | 23                  | 9                     | 6                      | 9                              | 4        |  |  |  |  |  |  |  |  |  |
| Development grants.....  | 15                                    | OEO, HEW, Transp., Interior                      | 979.6  | 958.9               | 81        | 19           | 57        | 28                  | 6                     | 3                      | 3                              | 2        |  |  |  |  |  |  |  |  |  |
| Development loans.....   | 13                                    | USDA, HUD, Comm., SBA                            | 1,737.9  | 1,608.0             | 42        | 58           | 25        | 19                  | 16                    | 8                      | 20                             | 12       |  |  |  |  |  |  |  |  |  |
| Housing loans.....   | 18                                    | USDA, HUD, VA                                    | 14,925.3   | 14,194.6            | 84        | 16           | 68        | 16                  | 8                     | 3                      | 4                              | 1        |  |  |  |  |  |  |  |  |  |
| Transportation.....  | 5                                     | 2 Transp.  | 6,005.8  | 5,617.8             | 65        | 35           | 48        | 17                  | 14                    | 5                      | 9                              | 7        |  |  |  |  |  |  |  |  |  |
| <b>Total.....</b>  | <b>62</b>                             | <b>9</b>   | <b>25,959.7</b>  | <b>24,805.0</b>     | <b>76</b> | <b>24</b>    | <b>59</b> | <b>17</b>           | <b>10</b>             | <b>4</b>               | <b>6</b>                       | <b>3</b> |  |  |  |  |  |  |  |  |  |

See footnotes at end of table, p. 4.

TABLE 1.—FEDERAL OUTLAYS, BY PROGRAMS AND APPROPRIATIONS, ACCRUING TO COUNTIES, BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970—Continued

| General and specific program type         | Number of programs and appropriations | Federal outlays fiscal year 1970 (millions) | Urban orientation   |           |              |           |                     |   |   | Total (millions) | Federal outlays accruing to counties included in analysis (percent of total) |
|---|---------------------------------------|---|---------------------|-----------|--------------|-----------|---------------------|---|---|------------------|--|
|   |                                       |   | Metropolitan status |           | Urban        |           |                     | Sparsely settled rural with no urban population |   |                  |  |
|   |                                       |   | SMSA                | Non-SMSA  | Highly urban | Urban     | Semi-isolated urban | Densely settled rural population                | Sparsely settled rural with no urban population |                  |  |
| <b>Agriculture and natural resources:</b> |                                       |   |                     |           |              |           |                     |   |   |                  |  |
| Direct payments and conservation.....     | 17                                    | 4,718.6                                     | 25                  | 75        | 14           | 9         | 25                  | 8   | 26  | 18               |  |
| Loans.....                                | 13                                    | 3,142.0                                     | 12                  | 88        | 4            | 7         | 28                  | 7   | 31  | 23               |  |
| Natural resources.....                    | 14                                    | 1,335.0                                     | 31                  | 69        | 19           | 6         | 35                  | 3   | 23  | 14               |  |
| <b>Total</b> .....                        | <b>44</b>                             | <b>9,195.6</b>                              | <b>21</b>           | <b>79</b> | <b>12</b>    | <b>8</b>  | <b>27</b>           | <b>7</b>  | <b>27</b>                                       | <b>19</b>        |  |
| <b>Defense, NASA, and AEC:</b>            |                                       |   |                     |           |              |           |                     |   |   |                  |  |
| Defense payroll.....                      | 4                                     | 23,742.0                                    | 78                  | 22        | 58           | 23        | 17                  | 1   | 2   | 1                |  |
| Defense contracts.....                    | 6                                     | 33,911.4                                    | 87                  | 13        | 76           | 14        | 6                   | 1   | 2   | (2)              |  |
| Atomic Energy Commission.....             | 3                                     | 2,603.9                                     | 64                  | 36        | 57           | 17        | 13                  | 5   | 2   | 6                |  |
| NASA.....                                 | 2                                     | 3,681.2                                     | 89                  | 11        | 87           | 11        | 1                   | 1   | (2)   | (2)              |  |
| <b>Total</b> .....                        | <b>10</b>                             | <b>63,938.5</b>                             | <b>83</b>           | <b>17</b> | <b>69</b>    | <b>17</b> | <b>10</b>           | <b>1</b>  | <b>2</b>  | <b>1</b>         |  |
| <b>Total</b> .....                        | <b>221</b>                            | <b>153,958.1</b>                            | <b>73</b>           | <b>27</b> | <b>58</b>    | <b>17</b> | <b>11</b>           | <b>4</b>  | <b>6</b>  | <b>3</b>         |  |

<sup>1</sup> Outlays for programs and appropriations included in this analysis only and represents 74.7 percent of all Federal outlays in fiscal year 1970.

<sup>2</sup> Less than 1 percent.

Outlays for human resource development were comprised of funds from programs for education, health services, welfare, social security and other retirements, manpower training and development, and programs for American Indians. Community development outlays consisted of urban renewal funds, funds for health service construction, economic development grants and loans, housing loans, and transportation outlays. Outlays for agriculture and natural resources included USDA funds for direct payments to farmers and various conservation programs and Department of the Interior funds for parks and forests. Defense-related outlays, comprising all outlays from the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission, totaled \$64 billion or 41.5 percent of all outlays examined. Outlays for human resource development totaled \$55 billion or 35.6 percent of the total. Federal outlays for community development and agriculture and natural resources totaled \$26 and \$9 billion, respectively.

Table 2 lists the outlays by Federal departments and agencies. Aside from the Department of Defense, NASA, and AEC where all outlays were included, the share of outlays included in this analysis range from a low of 18.7 percent for the Department of Commerce to a high of 98.0 percent for the Department of Housing and Urban Development.<sup>1</sup>

<sup>1</sup> Department of Commerce Outlays included only outlays for the Economic Development Administration and Regional Commissions.



TABLE 2.—FEDERAL OUTLAYS BY AGENCY ACCRUING TO COUNTIES BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970

| Agency   | Included program outlays <sup>1</sup> |                   | Federal outlays accruing to counties included in analysis <sup>1</sup> (percent of total) |                     |          |                   |       |                                  |  |                  |                     |                                  |  |
|--|---------------------------------------|-------------------|---|---------------------|----------|-------------------|-------|----------------------------------|--|------------------|---------------------|----------------------------------|--|
|  | All outlays <sup>2</sup> (millions)   | Total: (millions) | As a percent of all outlays   | Metropolitan status |          | Urban orientation |       |                                  |  | Highly urban     | Semi-isolated urban | Densely settled rural population | Sparsely settled rural with-out urban population |
|  |                                       |                   |   | SMSA                | Non-SMSA | Urban             | Urban | Densely settled rural population | Sparsely settled rural with-out urban population |                  |                     |                                  |  |
| Department of Agriculture.....                     | \$14,057.9                            | \$10,038.8        | 71.4  | 20                  | 80       | 10                | 9     | 25                               | 8  | 29               | 20                  |                                  |  |
| Department of Commerce.....                        | 1,160.1                               | 216.6             | 18.7  | 34                  | 66       | 20                | 15    | 13                               | 14   | 24               | 14                  |                                  |  |
| Department of Defense.....                         | 57,653.5                              | 57,653.5          | 100.0   | 83                  | 17       | 68                | 18    | 10                               | 1  | 2                | 1                   |                                  |  |
| Department of Health, Education, and Welfare.....  | 52,538.9                              | 49,458.4          | 94.1  | 69                  | 31       | 53                | 19    | 10                               | 6  | 9                | 4                   |                                  |  |
| Department of Housing and Urban Development.....   | 11,937.6                              | 11,686.3          | 98.0  | 86                  | 14       | 70                | 17    | 8                                | 2  | 2                | ( <sup>3</sup> )    |                                  |  |
| Department of the Interior.....                    | 2,397.8                               | 1,459.7           | 60.9  | 53                  | 47       | 37                | 14    | 28                               | 1  | 11               | 9                   |                                  |  |
| Department of Justice.....                         | 570.0                                 | 266.8             | 46.3  | 89                  | 11       | 65                | 30    | 5                                | ( <sup>3</sup> )                                 | ( <sup>3</sup> ) | ( <sup>3</sup> )    |                                  |  |
| Department of Labor.....                           | 2,407.7                               | 1,681.5           | 69.8  | 66                  | 34       | 53                | 14    | 12                               | 6  | 7                | 9                   |                                  |  |
| Department of Transportation.....                  | 7,172.2                               | 6,006.8           | 83.8  | 65                  | 35       | 48                | 17    | 14                               | 5  | 9                | 7                   |                                  |  |
| Atomic Energy Commission.....                      | 2,603.9                               | 2,493.0           | 100.0   | 84                  | 16       | 57                | 17    | 13                               | 5  | 2                | 6                   |                                  |  |
| National Aeronautics and Space Administration..... | 3,681.2                               | 3,593.7           | 100.0   | 89                  | 11       | 87                | 11    | 1                                | 1  | ( <sup>3</sup> ) | ( <sup>3</sup> )    |                                  |  |
| Office of Economic Opportunity.....                | 795.9                                 | 728.1             | 95.8  | 77                  | 23       | 65                | 13    | 8                                | 4  | 6                | 4                   |                                  |  |
| Railroad Retirement Board.....                     | 1,710.1                               | 1,701.1           | 100.0   | 66                  | 34       | 48                | 22    | 13                               | 7  | 8                | 3                   |                                  |  |
| Small Business Administration.....                 | 900.5                                 | 829.5             | 92.1  | 63                  | 37       | 43                | 23    | 15                               | 5  | 10               | 5                   |                                  |  |
| Veterans' Administration.....                      | 13,410.8                              | 5,935.1           | 44.3  | 86                  | 14       | 71                | 17    | 7                                | 2  | 2                | ( <sup>3</sup> )    |                                  |  |
| All other agencies.....                            | 33,038.2                              | 5,701.6           | 17.3  | 86                  | 14       | 71                | 17    | 7                                | 2  | 2                | ( <sup>3</sup> )    |                                  |  |
| National total.....                                | 206,004.3                             | 153,968.1         | 74.7  | 73                  | 27       | 58                | 17    | 11                               | 4  | 6                | 3                   |                                  |  |

<sup>1</sup> The difference in the total outlays of all selected programs and those accruing to counties included in the analysis represent outlays accruing to Alaska and Hawaii and those counties for which income data was not available.

<sup>2</sup> Includes \$15,994,000 which is not actual Federal outlays but does influence the economy such as guaranteed loans, etc.

<sup>3</sup> Less than 1 percent.

## INTRODUCTION

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### COUNTY CLASSIFICATION

Of the 3,149 counties within all 50 States, 94 percent were included in the analysis of Federal outlays and economic development (table 3). Counties in Alaska and Hawaii were not included because of the uniqueness of these States. Also, a small number of counties within the 48 conterminous States were dropped from the analysis because of the lack of 1967 income data. Federal outlays accruing to these excluded counties represented only 4 percent of Federal outlays funded by programs included in this report. These counties were quite evenly distributed among the major county groups of this study.

TABLE 3.—PERCENTAGE DISTRIBUTION OF COUNTIES WITHIN METROPOLITAN STATUS AND URBAN ORIENTATION GROUPS BY SELECTED COUNTY CHARACTERISTICS

| County characteristics                | Urban orientation   |          |              |       |                     |                       |  |   |               |  |
|---------------------------------------|---------------------|----------|--------------|-------|---------------------|-----------------------|--|---|---------------|--|
|                                       | Metropolitan status |          |              |       |                     | Urban orientation     |  |   |               |  |
|                                       | SMSA                | Non-SMSA | Highly urban | Urban | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural, no urban population | United States |  |
| Total counties (number).....          | 450                 | 2,520    | 184          | 351   | 511                 | 328                   | 783  | 813   | 2,970         |  |
| PERCENT OF ALL COUNTIES               |                     |          |              |       |                     |                       |  |   |               |  |
| Census region: <sup>1</sup>           |                     |          |              |       |                     |                       |  |   |               |  |
| Northeast.....                        | 18.8                | 5.0      | 25.8         | 19.9  | 1.6                 | 12.2                  | 3.8  | 1.8   | 7.1           |  |
| Northcentral.....                     | 31.3                | 35.4     | 24.7         | 22.0  | 32.6                | 32.6                  | 37.1   | 37.9  | 34.8          |  |
| South.....                            | 37.9                | 45.9     | 35.0         | 42.7  | 41.1                | 54.6                  | 47.3   | 43.5  | 44.7          |  |
| West.....                             | 12.0                | 13.7     | 14.5         | 4.4   | 24.7                | .6                    | 11.8   | 16.8  | 13.4          |  |
| Per capita income, 1967:              |                     |          |              |       |                     |                       |  |   |               |  |
| Lowest decile.....                    | 11.8                | 11.8     | .....        | .3    | .8                  | 7.6                   | 9.4  | 23.6  | 10.0          |  |
| 2d to 5th decile.....                 | 4.0                 | 46.5     | 1.1          | 18.2  | 29.3                | 50.6                  | 59.1   | 42.4  | 40.0          |  |
| 6th to 9th decile.....                | 58.9                | 36.7     | 48.4         | 63.0  | 60.9                | 37.2                  | 28.9   | 27.3  | 40.1          |  |
| Highest decile.....                   | 37.1                | 5.0      | 50.5         | 18.5  | 9.0                 | 4.6                   | 2.6  | 6.7   | 9.9           |  |
| Per capita income growth, 1959-67:    |                     |          |              |       |                     |                       |  |   |               |  |
| Lowest decile.....                    | 4.4                 | 9.4      | 2.2          | 3.1   | 14.3                | 3.4                   | 7.3  | 12.0  | 8.6           |  |
| 2d to 5th decile.....                 | 76.7                | 33.4     | 65.9         | 61.8  | 42.7                | 39.3                  | 32.7   | 25.8  | 40.0          |  |
| 6th to 9th decile.....                | 18.4                | 43.8     | 10.9         | 33.4  | 39.5                | 51.5                  | 45.8   | 39.4  | 40.0          |  |
| Highest decile.....                   | .5                  | 13.4     | .....        | 1.7   | 3.5                 | 5.8                   | 14.2   | 22.8  | 11.4          |  |
| County population, 1970: <sup>1</sup> |                     |          |              |       |                     |                       |  |   |               |  |
| 100,000 and over.....                 | 63.2                | 2.0      | 90.9         | 39.9  | 5.3                 | .....                 | 1.1  | .....                                       | 11.3          |  |
| 50,000 to 99,999.....                 | 22.1                | 9.0      | 7.5          | 46.0  | 16.4                | 16.1                  | 1.7  | .....                                       | 11.0          |  |
| 25,000 to 49,999.....                 | 12.7                | 19.1     | .5           | 12.2  | 30.0                | 55.8                  | 19.4   | .....                                       | 18.1          |  |
| 10,000 to 24,999.....                 | 1.8                 | 37.4     | 1.1          | 1.9   | 33.3                | 25.3                  | 64.6   | .....                                       | 32.0          |  |
| 5,000 to 9,999.....                   | .2                  | 20.7     | .....        | ..... | 12.3                | 1.5                   | 14.1   | .....                                       | 17.6          |  |
| 2,500 to 4,999.....                   | 0                   | 7.9      | .....        | ..... | 2.7                 | .3                    | .....  | .....                                       | 6.7           |  |
| Less than 2,500.....                  | 0                   | 3.9      | .....        | ..... | .....               | .....                 | .....  | .....                                       | 3.3           |  |

INTRODUCTION

|   |      |       |       |       |       |       |       |       |      |  |  |  |
|---|------|-------|-------|-------|-------|-------|-------|-------|------|--|--|--|
| Population growth, 1960-70:                             |      |       |       |       |       |       |       |       |      |  |  |  |
| Less than -5.0 percent.....                             | 3.1  | 34.0  | 3.3   | 3.1   | 25.0  | 12.5  | 31.0  | 54.3  | 29.3 |  |  |  |
| -5.0 to 0 percent.....                                  | 8.0  | 17.2  | 8.1   | 8.3   | 19.0  | 10.4  | 21.6  | 15.5  | 15.8 |  |  |  |
| 0.1 to 13.3 percent.....                                | 32.2 | 31.3  | 31.0  | 36.2  | 31.1  | 49.7  | 35.1  | 18.9  | 31.5 |  |  |  |
| Greater than U.S. average (13.3 percent).....           | 56.7 | 17.5  | 57.6  | 52.4  | 24.9  | 27.4  | 12.3  | 11.3  | 23.4 |  |  |  |
| Size of principal city, 1960: <sup>1</sup>              |      |       |       |       |       |       |       |       |      |  |  |  |
| SMSA.....   | 90.7 | 2     | 95.7  | 45.1  | 10.5  | 11.6  | 1.4   | .4    | 14.9 |  |  |  |
| 25,000 to 49,999.....                                   | 2.9  | 5.1   | 2.2   | 23.3  | 9.7   | .6    | 3     | ----- | 4.7  |  |  |  |
| 10,000 to 24,999.....                                   | .2   | 15.2  | 1.6   | 22.4  | 37.4  | 21.2  | 5.5   | ----- | 13.0 |  |  |  |
| 5,000 to 9,999.....                                     | 0    | 19.8  | .5    | 6.4   | 24.8  | 36.1  | 29.4  | .1    | 16.8 |  |  |  |
| 2,500 to 4,999.....                                     | .2   | 23.1  | ----- | 2.5   | 16.4  | 22.4  | 51.5  | 1.9   | 19.6 |  |  |  |
| Under 2,500.....  | 0    | 35.6  | ----- | .3    | 1.2   | 8.1   | 31.9  | 97.6  | 31.0 |  |  |  |
| Contiguity:   |      |       |       |       |       |       |       |       |      |  |  |  |
| Rural counties contiguous with—                         |      |       |       |       |       |       |       |       |      |  |  |  |
| Other rural counties.....                               | 14.7 | ----- | ----- | ----- | ----- | 15.9  | 17.9  | 21.9  | 12.5 |  |  |  |
| Urban or semi-isolated urban.....                       | 5.1  | 51.3  | ----- | ----- | ----- | 62.8  | 68.8  | 70.2  | 44.3 |  |  |  |
| Highly urban.....                                       | 6.9  | 8.2   | ----- | ----- | ----- | 21.3  | 13.3  | 7.9   | 8.0  |  |  |  |
| Urban and semi-isolated urban counties contiguous with— |      |       |       |       |       |       |       |       |      |  |  |  |
| Highly urban counties.....                              | 26.7 | 5.0   | ----- | 43.3  | 18.4  | ----- | ----- | ----- | 8.3  |  |  |  |
| All other counties.....                                 | 22.4 | 20.4  | ----- | 58.7  | 81.6  | ----- | ----- | ----- | 20.7 |  |  |  |
| Highly urban counties.....                              | 38.9 | .4    | 100.0 | ----- | ----- | ----- | ----- | ----- | 6.2  |  |  |  |

<sup>1</sup> Distribution based on 3,009 counties instead of 2,970 counties.

Two major groupings of counties were used: metropolitan status and urban orientation (an index of population density and the share of the population living in places of 2,500 or more). Within each of these groupings, further comparisons were made by per capita income in 1967, per capita income growth in 1959-67, population growth in 1960-70, and closeness to urbanized areas.

A word of caution concerning interpretation of these comparisons. Per capita income is a good indicator of the existing level of economic well-being for the residents of a given area. Rates of growth of both per capita income and population, in contrast, reveal nothing about the present level, only the degree of relative change that has occurred. This can be illustrated by comparing the income growth of a county having a per capita income of \$3,500 in 1959 and \$4,200 in 1967 with that of a county which had \$1,800 per capita income in 1959 versus \$2,500 in 1967. Hence, the growth rate in per capita income was greater for the poorer county, although absolute growths in incomes were exactly the same for both.

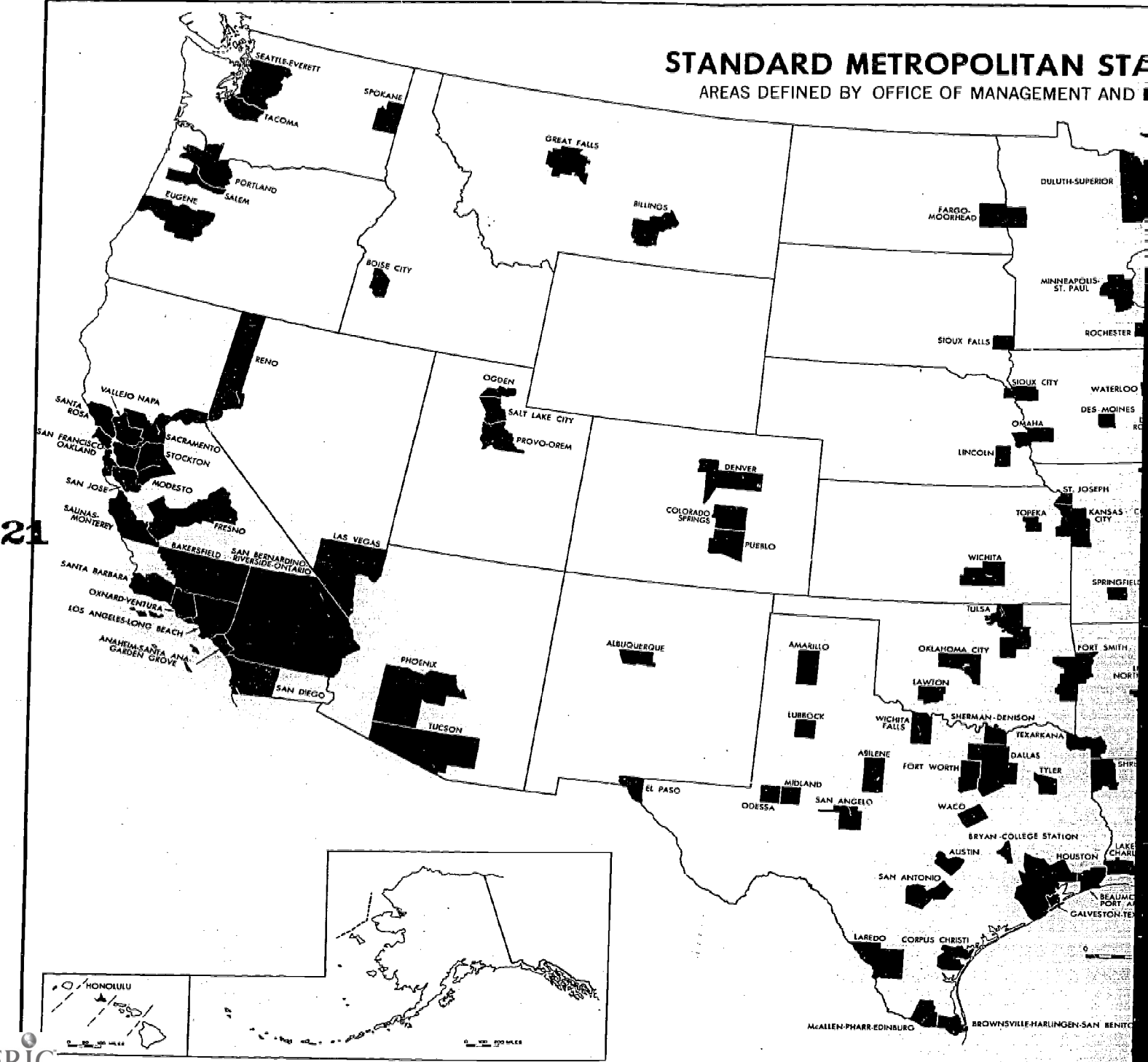
The major division of counties by metropolitan status (figure 1) and urban orientation (figure 2) was based on the *Census of Population, 1970*. The standard OMB definition of a metropolitan area was used (e.g., a county containing at least one city of 50,000 inhabitants or more, or twin cities with a combined population of 50,000 or a contiguous county that is essentially metropolitan in character and is socially and economically integrated with the central city). Counties by urban orientation are defined and discussed as follows:

- (v) *Highly urban counties*—counties having either (a) 85 percent or more urban population (i.e., persons living in places of 2,500 or more) and 100 or more persons per square mile, or (b) 50 percent or more urban population and 500 or more persons per square mile—were heavily concentrated in the Northeast, had large population bases, high per capita incomes and generally high population growth rates. The Northeast contained over one-fourth of all "highly urban counties" in contrast to only 7 percent of all counties (table 3). Over 50 percent of these counties had per capita incomes in the top 10 percent of all U.S. counties and over 90 percent had 1970 populations of over 100,000 and principal cities of over 50,000 population.
- (2) *Urban counties*—counties which were less than 85 percent urban and with between 100 and 499.9 persons per square mile—were contiguous to highly urban counties, suggesting that the counties could be called suburban counties. They were also heavily concentrated in the Northeast. Over 80 percent of "urban" counties ranked in the upper half of all U.S. counties with respect to 1967 per capita income, and the aggregate population growth rate during the 1960's of the "urban" county group was the highest of all county groups (see table 4). As would be expected, a major portion (86 percent) of these counties had populations of over 50,000 people. Less than 10 percent of these counties had principal cities of under 10,000 people in 1960.

FIGURE 1

# STANDARD METROPOLITAN STATISTICAL AREAS

AREAS DEFINED BY OFFICE OF MANAGEMENT AND BUDGET

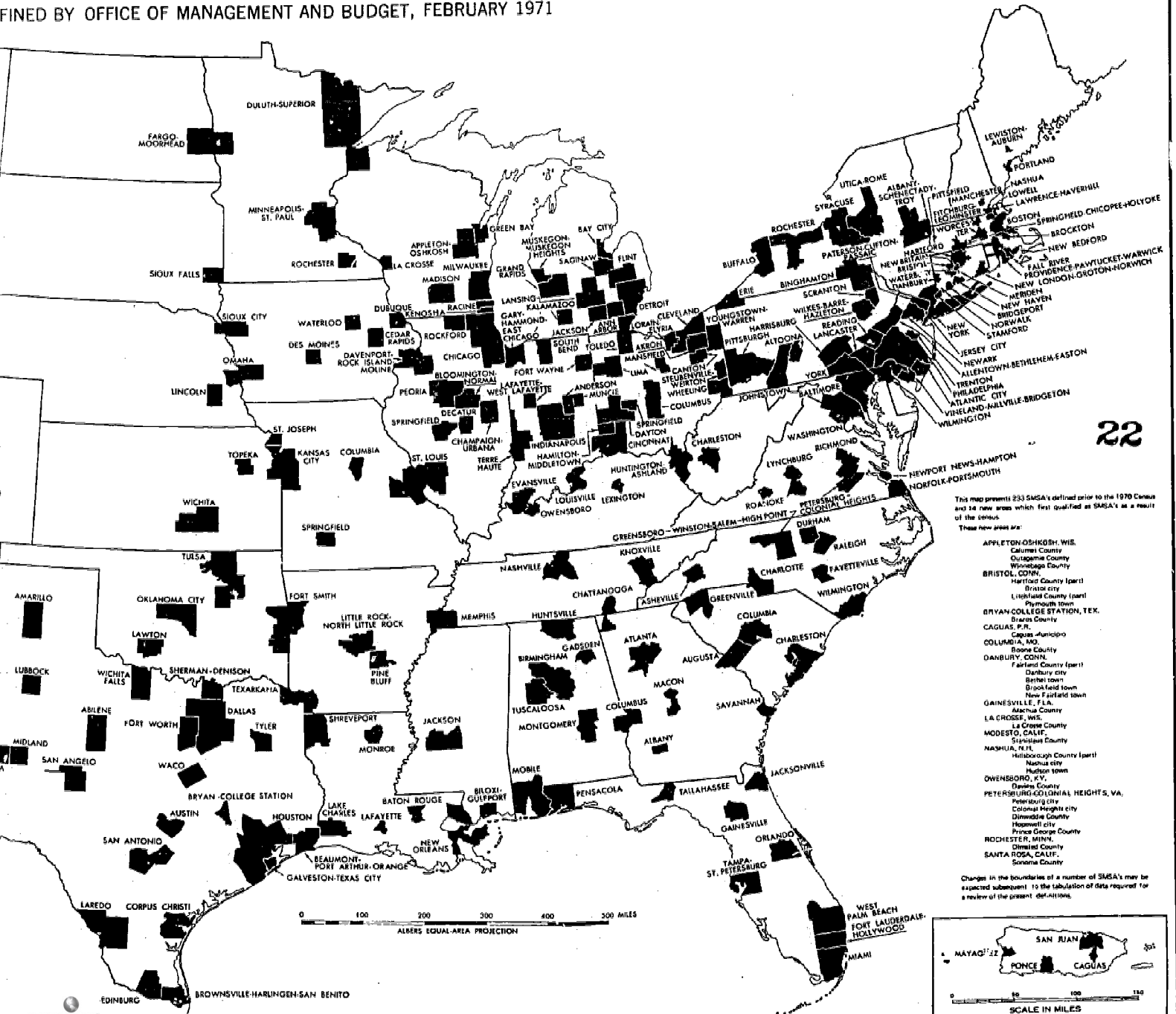


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FIGURE 1

# WARD METROPOLITAN STATISTICAL AREAS

DEFINED BY OFFICE OF MANAGEMENT AND BUDGET, FEBRUARY 1971



This map presents 233 SMSA's defined prior to the 1970 Census and 14 new areas which first qualified as SMSA's as a result of the Census.

- These new areas are:
- APPLETON-OSHKOSH, WIS. Calumet County
  - BRISTOL, CONN. Hartford County (part)
  - BRYAN-COLLEGE STATION, TEX. Brazos County
  - COLUMBIA, MD. Cecil County
  - DANBURY, CONN. Fairfield County (part)
  - GAINESVILLE, FLA. Alachua County
  - LA CROSSE, WIS. Crawford County
  - MODesto, CALIF. Stanislaus County
  - NASHUA, N.H. Hillsborough County (part)
  - OWENSBORO, KY. Daviess County
  - PETERSBURG-COLONIAL HEIGHTS, VA. Colonial Heights city
  - ROCHESTER, MINN. Olmsted County
  - SANTA ROSA, CALIF. Sonoma County

Changes in the boundaries of a number of SMSA's may be expected subsequent to the tabulation of data required for a review of the present definitions.

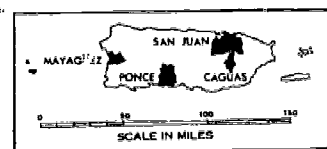
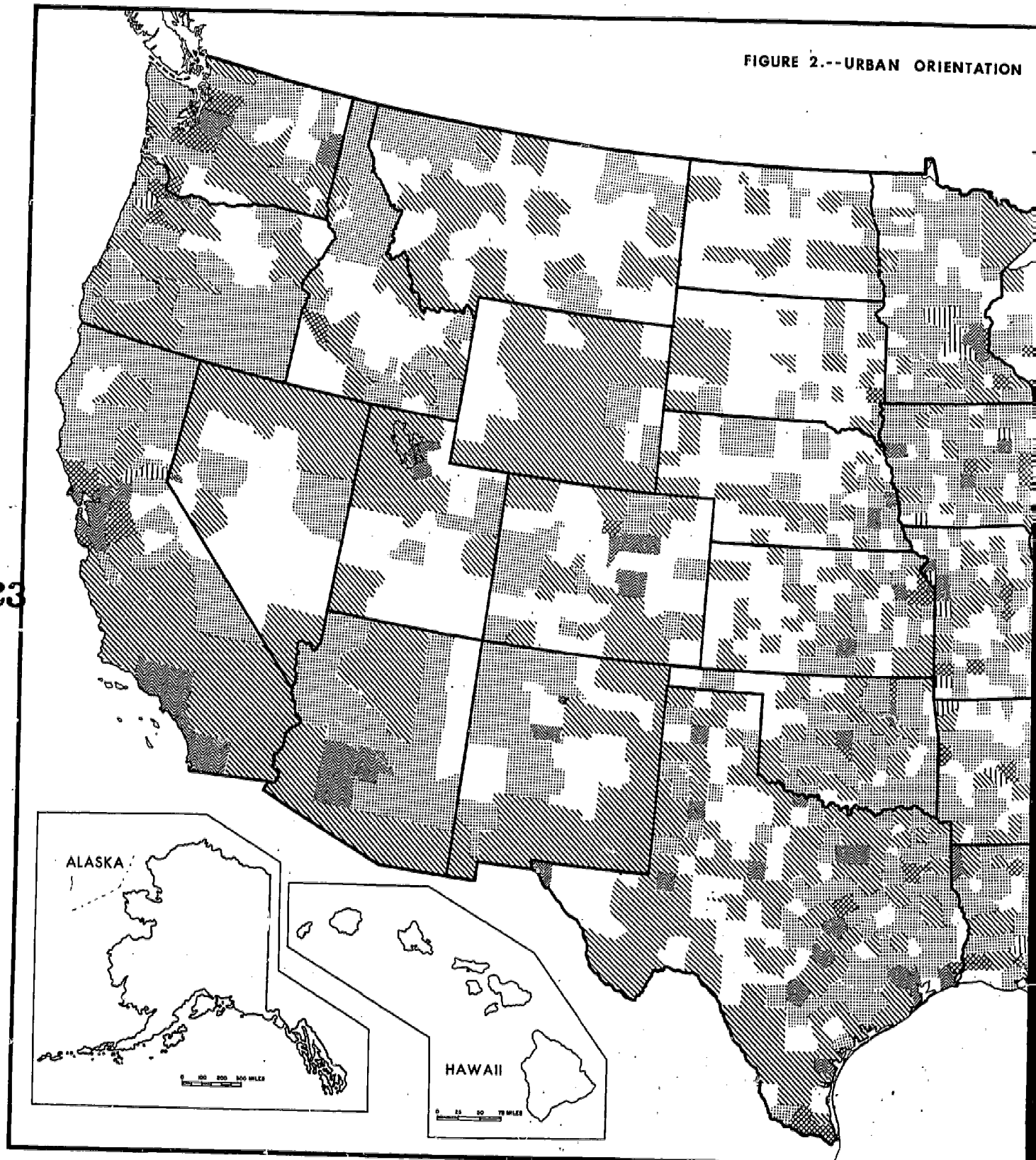


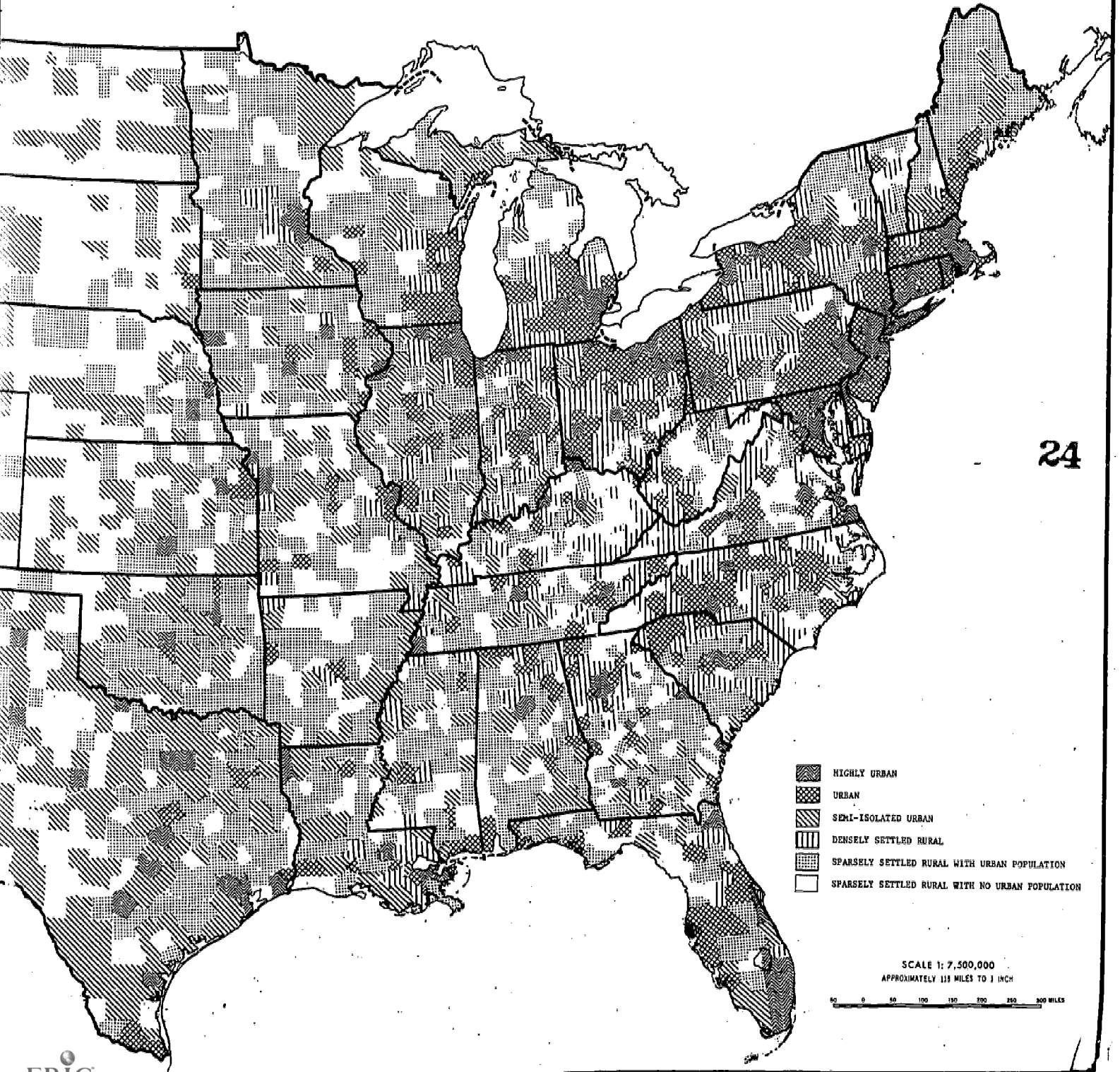
FIGURE 2.--URBAN ORIENTATION



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FIGURE 2.--URBAN ORIENTATION OF COUNTIES, 1970



INTRODUCTION

TABLE 4.—POPULATION, INCOME, AND LAND AREA AS RELATED TO TOTAL FEDERAL OUTLAYS, BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, UNITED STATES

| Item   | Metropolitan status |              | Urban orientation |            |                     |               |  |   |
|--|---------------------|--------------|-------------------|------------|---------------------|---------------|--|---|
|  | United States       | MSA Non-SMSA | Highly urban      | Urban      | Semi-isolated urban | Densely rural | Sparsely settled rural with urban population | Sparsely settled rural without urban population |
| Number of counties.....                      | 2,970               | 450          | 184               | 351        | 511                 | 328           | 783  | 813   |
| Population, 1970 (Number) <sup>1</sup> ..... | 198,250,652         | 138,117,042  | 105,946,125       | 39,438,818 | 19,345,357          | 11,646,365    | 15,290,799                                   | 60,83,188                                       |
| Percent of United States.....                | 100.0               | 69.7         | 53.4              | 19.9       | 10.0                | 5.9           | 7.7  | 3.1   |
| Growth rate, 1960-70 (percent).....          | 12.95               | 16.17        | 15.71             | 16.11      | 11.71               | 7.28          | 1.45   | -3.37   |
| Personal income, 1967:                       |                     |              |                   |            |                     |               |  |   |
| Total (billion) <sup>2</sup> .....           | \$626.27            | \$482.44     | \$383.42          | \$117.05   | \$54.38             | \$27.33       | \$33.14                                      | \$11.75   |
| Percent of United States.....                | 100.0               | 77.0         | 61.2              | 18.7       | 8.7                 | 4.4           | 5.3  | 1.9   |
| Per capita income, 1967.....                 | \$3,159             | \$3,493      | \$3,619           | \$2,968    | \$2,740             | \$2,347       | \$2,167                                      | \$1,932   |
| Percent of United States.....                | 100.0               | 110.6        | 114.6             | 94.0       | 86.7                | 74.3          | 68.6   | 61.2  |
| Growth rate, 1959-67.....                    | 54.3                | 45.8         | 45.3              | 79.9       | 50.0                | 55.1          | 57.9   | 59.7  |
| Land area (square miles) <sup>3</sup> .....  | 2,968,164           | 395,276      | 117,390           | 209,938    | 806,900             | 180,952       | 834,473                                      | 818,511   |
| Percent of United States.....                | 100.0               | 13.3         | 4.0               | 7.1        | 27.2                | 6.1           | 28.1   | 27.6  |
| Density (persons per square mile).....       | 68.1                | 353.4        | 912.5             | 193.9      | 24.9                | 67.6          | 18.7   | 7.8   |
| Total Federal outlays (billion).....         | \$147.76            | \$107.59     | \$86.39           | \$25.29    | \$16.57             | \$5.23        | \$9.36                                       | \$4.91  |
| Percent of United States.....                | 100.0               | 72.8         | 58.5              | 17.2       | 11.2                | 3.5           | 6.3  | 3.3   |
| Per capita.....                              | \$745               | \$779        | \$815             | \$641      | \$835               | \$449         | \$612  | \$808   |
| Per \$1,000 personal income.....             | \$236               | \$223        | \$225             | \$216      | \$305               | \$191         | \$282  | \$418   |
| Per square mile.....                         | \$49,782            | \$272,219    | \$735,923         | \$120,464  | \$20,535            | \$28,903      | \$11,217                                     | \$5,999   |

<sup>1</sup> Includes 2,970 of the 3,149 counties in the United States. The independent cities of Virginia were included in contiguous counties. Hawaii and Alaska were excluded along with a small number of counties with no available 1967 income data.

<sup>2</sup> Income data computed from total personal income by counties for 1967 from the Office of Business Economics. Per capita estimates for 1967 were obtained through estimating 1968 populations by use of a linear trend in population during 1960-70.

<sup>3</sup> Computed from total square miles and population within each classification of counties which in some cases, includes counties excluded from the Federal outlay analysis.

- (3) *Semi-isolated urban counties*—counties which were 50 to 100 percent urban with less than 100 persons per square mile—were the most heterogeneous of all county groups (see table 3). The group ranged in 1970 population from 684,072 persons in San Bernardino County, Calif., to only 3,885 persons in Crockett County, Tex. Although more than 10 percent of these counties had principal cities with over 50,000 people in 1960, a few counties within the group had principal cities of under 2,500. Table 3 also shows that semi-isolated urban counties were widely dispersed with respect to both per capita income and population growth rates. Almost one-fourth of all semi-isolated urban counties were located in the Western Region with many of the larger California counties, such as San Bernardino, Riverside, Fresno, Santa Barbara, Monterey, and Tulare, dominating this group in terms of population and population growth rates. At the other extreme within the semi-isolated urban group were smaller counties, in terms of both population and land area, generally located in the South.
- (4) *Densely settled rural counties*—counties which were less than 50 percent urban with 50 to 99.9 persons per square mile—were dispersed throughout the Eastern United States, but were almost nonexistent in the West. This group was not homogeneous with regard to per capita income, 1970 population, or population growth. However, the majority of these counties had per capita income which ranked in the lower half of all U.S. counties, and only 27.4 percent had population growth rates above the national average of 13.3 percent.
- (5) *Sparsely settled rural counties with urban population*—counties which were less than 50 percent urban with less than 50 persons per square mile—were generally, characterized by 1970 populations from 10,000 to 25,000 people, principal cities in 1960 of under 10,000 people, low per capita incomes and lower than average rates of population growth. These counties were dispersed throughout the North-Central, Southern, and Western Regions with only a small number in the Northeast Region.
- (6) *Sparsely settled rural counties with no urban population*—counties with no urban population and having less than 50 persons per square mile—were characterized by very small population bases (over 75 percent had 1970 populations of under 10,000 people), with generally negative population growth rates during the 1960's (almost 70 percent had negative growth rates) and low per capita incomes.

The two major classifications of metropolitan status and urban orientation are meant to supplement one another in studying the distribution of Federal outlays within the United States. Whereas metropolitan status (a SMSA-Non SMSA division) provides a more conventional classification, classification by urban orientation provides a practical framework for further study of Federal outlays among counties grouped by the selected characteristics. According to the subclassification of table 3, metropolitan counties had substantially higher

incomes, slower per capita income growth during 1959-67, and much higher population growth during the 1960's than did nonmetropolitan counties. Also, more highly urban-oriented counties had higher incomes and population growth rates than did the more rural counties.

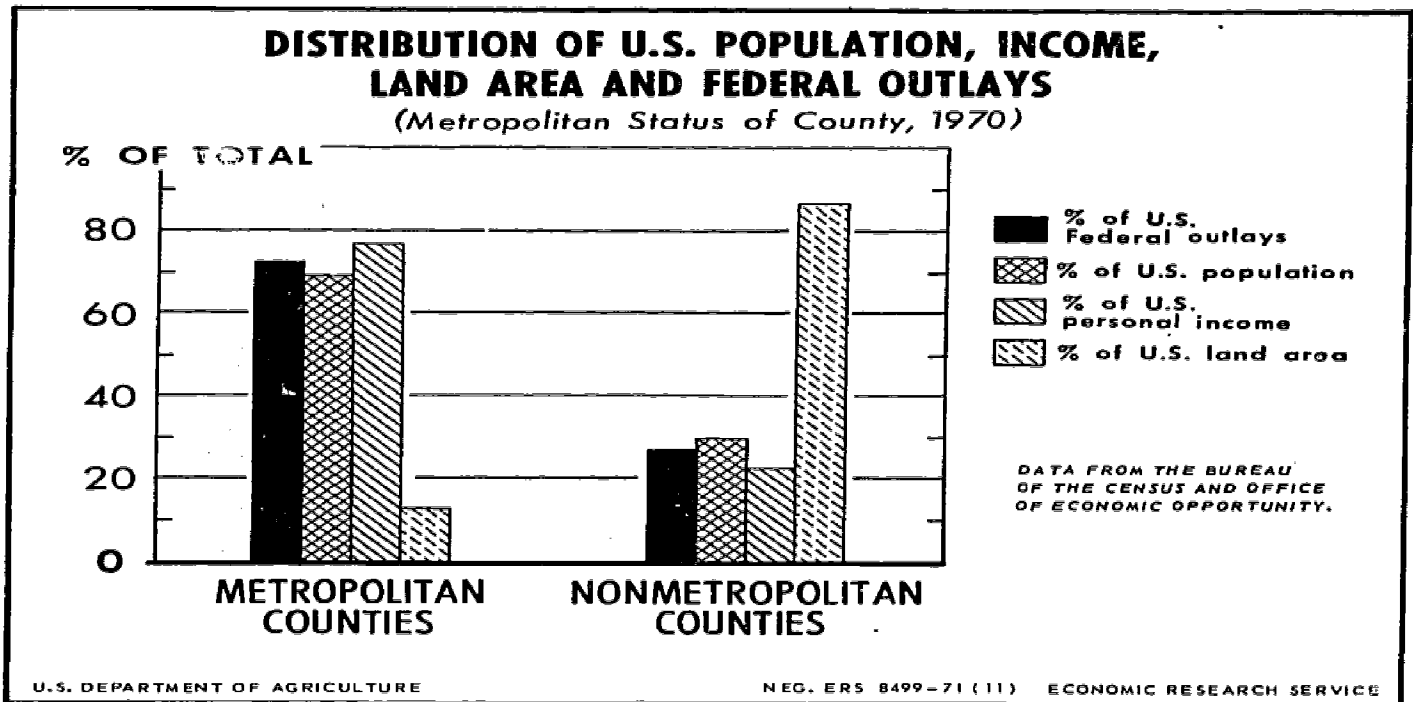
A few of the metropolitan counties (54 of 450 total) were classified as rural counties under the urban-orientation classification and 175 of the 184 counties that were classified as highly urban according to urban orientation, were SMSA counties. On the other hand, of the 2,520 nonSMSA counties, 670 were classified as urban counties under the alternative classification. The classification of counties by metropolitan status and urban orientation and further by per capita income and population growth provide the basis for relating Federal outlays to economic development. Generally, a metropolitan county is viewed as more developed than nonmetropolitan counties and counties of high urban orientation are viewed as more developed than more rural, sparsely settled counties. Thus, in a general sense, these county classifications can be employed to relate Federal outlays to areas differing in economic development.

## DISTRIBUTION OF FEDERAL OUTLAYS

In this section Federal outlays are related separately to land area, personal income, and population. Although each measure has merit in studying the distribution of Federal outlays, per capita Federal outlays are used most extensively in this report. Total outlays give an overall view of the distribution of Federal outlays across county groups whereas outlays per square mile and per \$1,000 personal income provide good insights into the relationship between the volume of outlays and land area and general wealth among county groups. Per capita Federal outlays compare the distribution of Federal outlays and population distribution. The distribution of per capita Federal outlays is also presented for counties of different per capita incomes, per capita income growth rates and population growth rates for metropolitan and nonmetropolitan counties and for counties within each urban orientation group.

**FEDERAL OUTLAYS TOTALED \$147.7 BILLION**

Federal outlays in fiscal year 1970, for the 242 programs accruing within the 2,970 counties included in this study, totaled \$147.7 billion (see tables 2 and 3). Nonmetropolitan counties accounted for 27.2 percent of the total dollar outlays (figure 3). Per capita Federal outlays



**FIGURE 3**

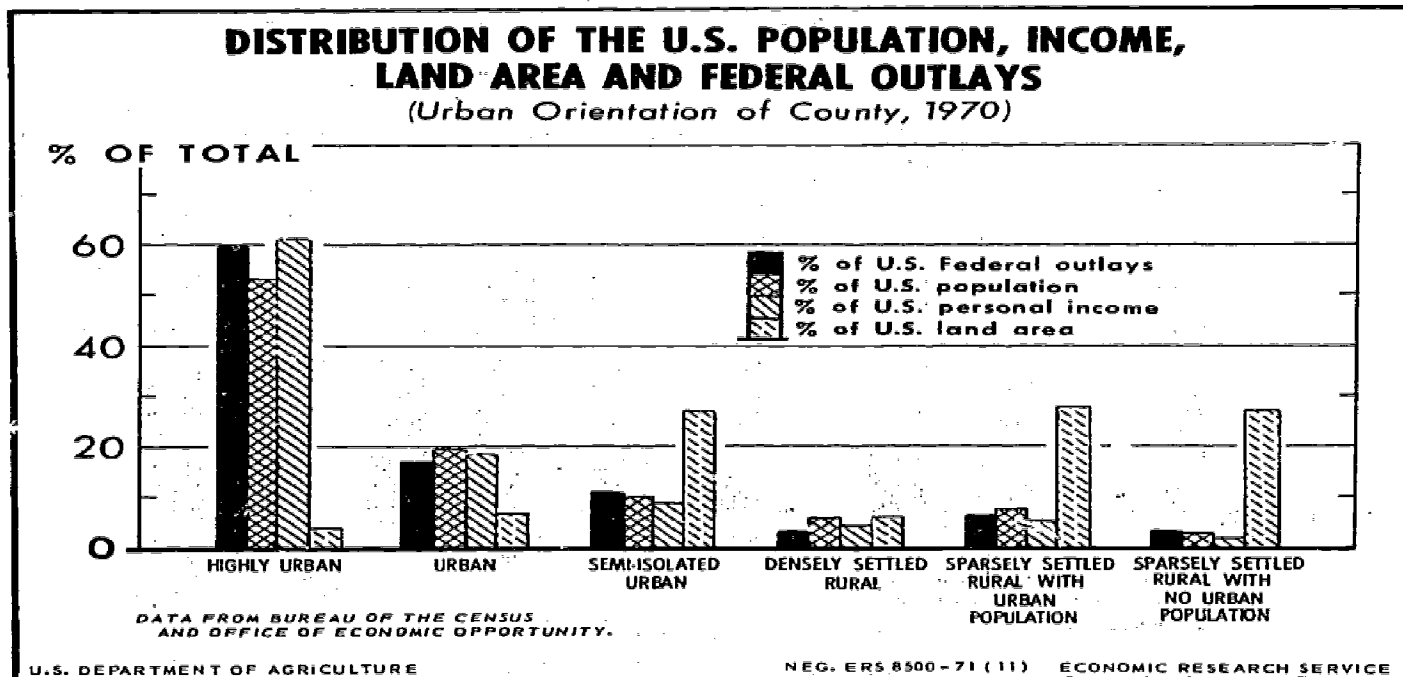


FIGURE 4

were 14 percent lower in nonmetropolitan counties than in metropolitan counties—\$668 as opposed to \$779 (figure 5). On the other hand, Federal outlays per \$1,000 personal income were higher in nonmetropolitan counties than in metropolitan counties (\$278 as compared to \$223 per \$1,000 personal income). As would be expected, because of the large metropolitan-nonmetropolitan differential in population density, Federal outlays per square mile were much higher in metropolitan counties.

When viewed by urban orientation, over one-half of Federal outlays (58.5 percent) accrued to highly urban counties as opposed to only 3.3 percent of the national total accruing to sparsely settled rural counties having no urban population (figure 4). Figure 5 shows that per capita Federal outlays were highest in the semi-isolated urban counties (\$835 per capita) and lowest in the densely settled rural counties (\$449 per capita). Federal outlays per \$1,000 personal income were highest in the sparsely settled rural counties with no urban population (\$418 per \$1,000 personal income), and lowest, as were per capita outlays, in the densely settled rural counties (\$191 per \$1,000 personal income). Federal outlays per square mile, as expected, were lowest in the sparsely settled rural counties having no urban residents and highest in the highly urban counties (figure 4).

#### LESS FEDERAL SERVICES IN NONMETROPOLITAN AREAS

The lower per capita Federal outlays in nonmetropolitan counties, relative to those accruing to metropolitan counties, suggest a lower

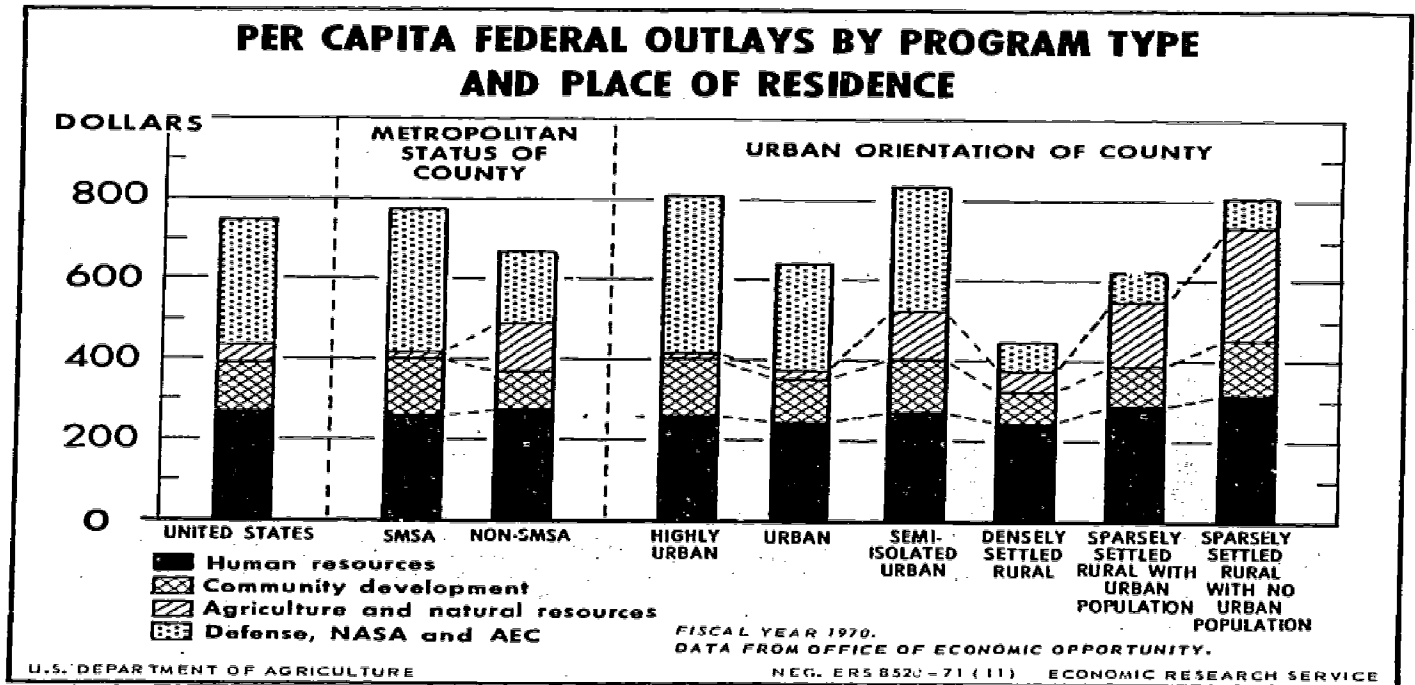


FIGURE 5

volume of federally provided services in nonmetropolitan areas. It also suggests that the economic force represented by Federal spending is not as strong in nonmetropolitan as in metropolitan areas. Whether the greater per capita Federal outlays in metropolitan counties are a cause or an effect of the prevailing higher incomes and growth rates in these counties is, of course, in question.

The distribution of per capita Federal outlays among counties by urban orientation was uneven and, in general, favored the more urban-oriented counties. For instance, per capita Federal outlays from all selected programs in the densely settled rural counties and sparsely settled rural counties with urban population were 40 and 18 percent below per capita Federal outlays over all U.S. counties, respectively (figure 5). Although per capita Federal outlays in sparsely settled rural counties with no urban population were above the national average, the population in these counties comprised only 3.1 percent of the U.S. population in 1970, whereas the population of the remaining two rural county classifications, having low per capita Federal outlays, represented 13.6 percent of the U.S. population in 1970.

#### SOME COUNTIES LESS FAVORED

Of all county urban orientation groups, the densely settled rural counties along with the sparsely settled rural counties with some urban residents were least favored by Federal spending. Not only are per capita Federal outlays low in these two rural county groups, popula-

tion densities are low, relative to the national average, and a large percentage of these counties are not contiguous to more urban-oriented counties with higher per capita Federal outlays. Lower population density suggests a need for greater per capita Federal outlays to provide equal access to public services. Also, the lack of contiguity to high urban counties, where over one-half of all Federal outlays accrue, suggests a minimal spillover of government services from other counties to these rural counties.

#### UNEVEN DISTRIBUTION OF PER CAPITA OUTLAYS

Per capita Federal outlays by general program types among metropolitan and nonmetropolitan counties and by urban orientation of counties (depicted in figure 5) provide additional insights into the uneven distribution of total per capita outlays across county groups. A large share of the differences among county groups in per capita Federal outlays can be attributed to outlays for defense, NASA and AEC and outlays for agriculture and natural resources. Although Federal outlays for human resource and community development were not evenly distributed on a per capita basis across county groups, they were far more equally distributed than total per capita Federal outlays. Per capita outlays for defense, NASA, and AEC were over twice as great in metropolitan counties as in nonmetropolitan counties and over six times as great in highly urban counties as in densely settled rural counties. On the other hand, outlays for agriculture and natural resources tended to compensate nonmetropolitan and more rural-oriented counties for the lack of defense outlays. But the offset was only partial. The densely settled rural counties were least favored by this trade-off between defense outlays and outlays for agriculture and natural resources. Per capita Federal outlays for defense, NASA, and AEC in densely settled rural counties was only 17.4 percent of such outlays in highly urban counties; on the other hand, per capita Federal outlays for agriculture and natural resources accruing to these densely settled rural counties were only 18.5 percent of such outlays accruing to sparsely settled rural counties with no urban population.

#### FEDERAL OUTLAYS ASSOCIATED WITH HIGH INCOME COUNTIES

Over all U.S. counties, high per capita Federal outlays were associated with high income counties and, to a lesser extent, with counties having greater than average population growth rates (figure 6). Per capita Federal outlays in counties with 1967 per capita incomes in the lowest decile (bottom 10 percent) represented only 62.4 percent of outlays in the highest income counties. Counties with rates of population growth during the 1960's greater than the national average of 13.3 percent, had per capita Federal outlays 9.9 percent above the national average of \$745.<sup>2</sup> However, counties with population declines of over 5 percent had per capita Federal outlays greater than the fastest

<sup>2</sup> High per capita incomes were associated with high population growth rates resulting in a significant correlation between counties classified as high income counties and those classified as fast-growing counties. Of those counties with per capita incomes in the highest income decile, 45 percent had population growth rates above the national average. And of those counties with growth rates above the national average, 20 percent had per capita incomes ranking in the top 10 percent of all U.S. counties.



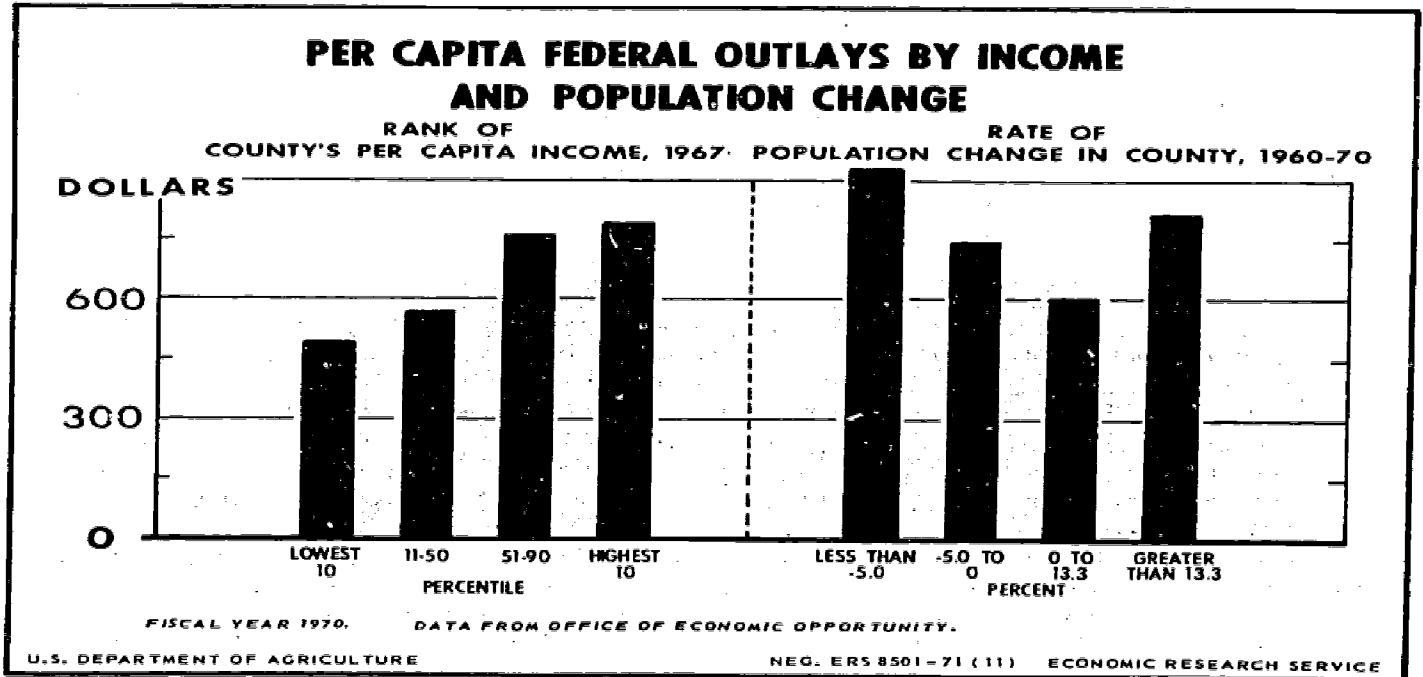


FIGURE 6

growing group of counties. These counties with rapidly declining population were, for the most part, sparsely settled rural counties with high incomes.<sup>3</sup>

Figure 7 contrasts per capita Federal outlays accruing to counties with rapidly declining population (greater than 5 percent decline during the 1960's) with outlays for counties with growth rates above the national average of 13.3 percent. These comparisons are made for each urban orientation group. Within urban orientation groups, the "urban" and semi-isolated urban counties were the only county groups where those counties with rapidly declining populations had per capita Federal outlays below counties with growth rates above the national average. In highly urban counties and all rural counties, the fast-growing counties had per capita Federal outlays considerably below those with rapidly declining populations.<sup>4</sup>

<sup>3</sup> Unlike U.S. counties in general, many of the sparsely settled rural counties with high per capita incomes had rapidly declining populations during the 1960's. Of those sparsely settled rural counties with and without urban populations having incomes in the top decile of all U.S. counties, over 60 percent had population declines of over 5 percent during the 1960's. For the sparsely settled rural counties with no urban population within the top decile of all U.S. counties with respect to per capita income, over 70 percent had rapidly declining populations during the 1960's. Most of these counties were located in the Great Plains.

<sup>4</sup> Although there were only 6 highly urban counties with rapidly declining populations, these counties comprised a substantial portion of the total population within the county group and illustrate the emphasis of Federal spending on declining urban areas. These rapidly declining, highly urban county units were: Orleans County, La., Suffolk County, Mass., New York County, N.Y., Potter County, Tex., Ohio County, W. Va.; and the independent city of St. Louis, Mo. Four of these units had per capita incomes in the top decile of all U.S. counties and comprised at least a large portion of four major U.S. cities—New Orleans, Boston, New York City, and St. Louis.

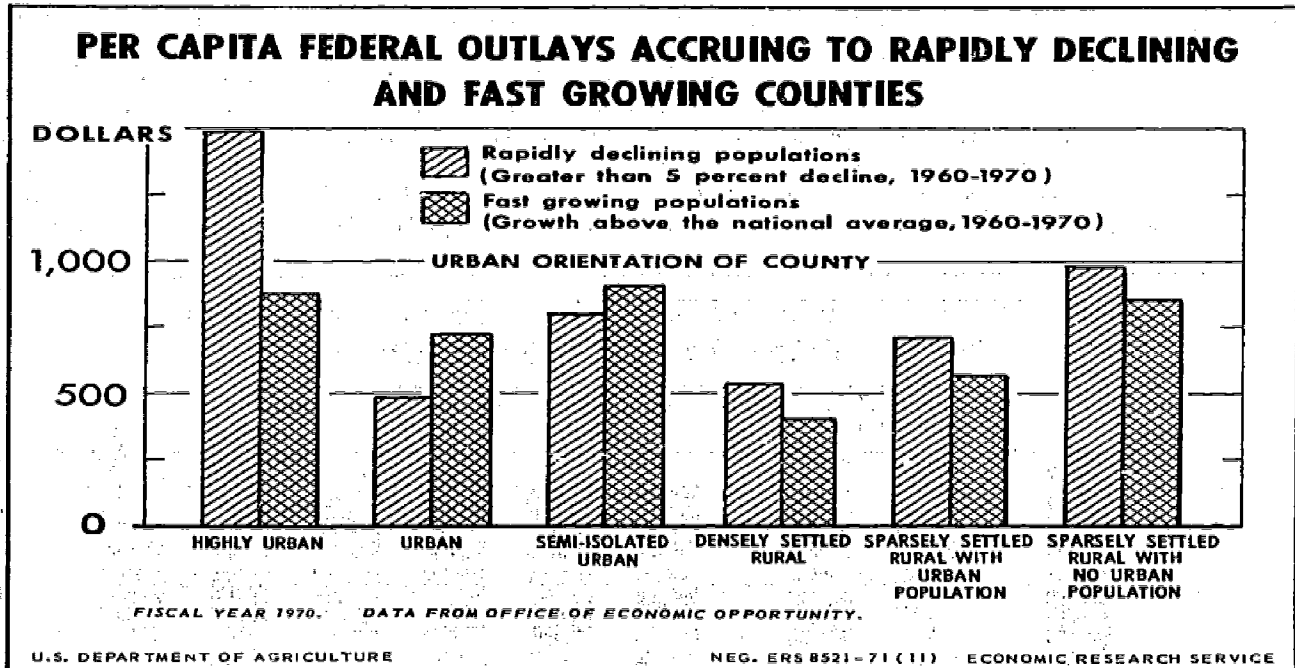


FIGURE 7

#### RURAL COUNTIES WITH POPULATION DECLINES LESS FAVORED

It should be noted that per capita Federal outlays in densely settled rural counties which experienced rapidly declining populations during the 1960's were only 36 percent of outlays in highly urban counties which also experienced population declines of over 5 percent during the 1960's.

Such comparisons of Federal outlays accruing to counties with rapidly declining populations across urban-orientation groups have significant implications for development. While Federal spending within highly urban areas has strongly favored those experiencing declines, in relation to average Federal spending, such has not been the case for the other classifications.

#### HUMAN RESOURCE DEVELOPMENT OUTLAYS

Outlays from the 106 programs for human resource development totaled \$55 billion or 35.6 percent of outlays from all selected programs in fiscal year 1970 and most human resource outlays were for income maintenance programs. Social security and other retirement benefits along with welfare payments comprised 83 percent of human resource outlays with social security and other retirement benefits comprising over two-thirds of all human resource development outlays included in this analysis (see appendix tables 6 and 7 for mix of programs within specific program types). Outlays for elementary and secondary

education comprised only 4.6 percent of outlays for human resource development.

Per capita human resource outlays from all programs ranged from a high of 118.7 percent of the U.S. average in sparsely settled rural counties with no urban population to 92.5 percent in "urban" counties, and 98.9 percent of the U.S. average in metropolitan counties contrasted to 103.0 percent in nonmetropolitan counties (figure 8). Among counties grouped by metropolitan status and population growth rates

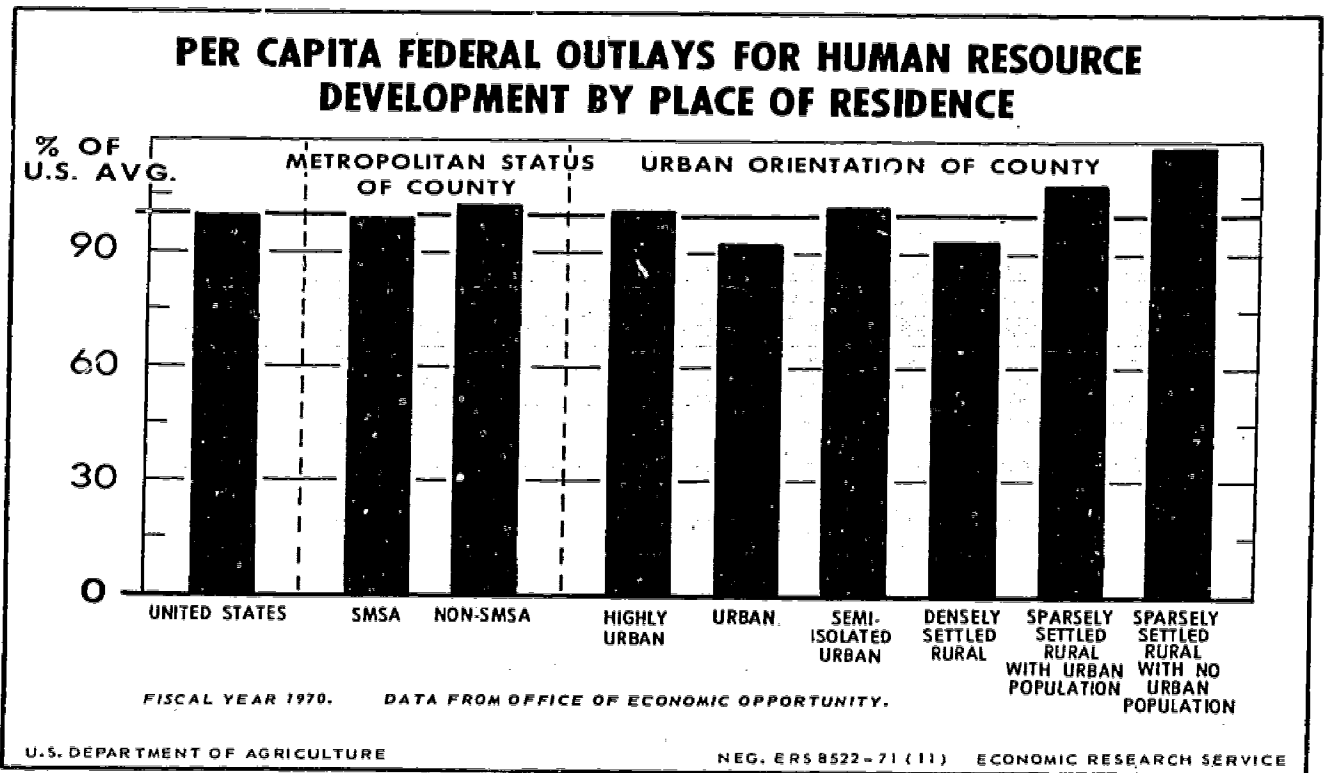


FIGURE 8

(figure 9), per capita Federal outlays for human resource development were highest in metropolitan counties with population declines in the 1960's of over 5 percent (\$610) and lowest in metropolitan counties with population growth rates above the national average (\$233). Whereas per capita Federal outlays were fairly equal between metropolitan and nonmetropolitan counties having growth rates above the national average, nonmetropolitan counties with population declines of over 5 percent obtained only 52 percent of the outlays accruing to metropolitan counties with declining population (see appendix table 7). Specific human resource outlays under the general program types of elementary and secondary education, social security and other retirements, welfare and manpower development, were roughly equal in

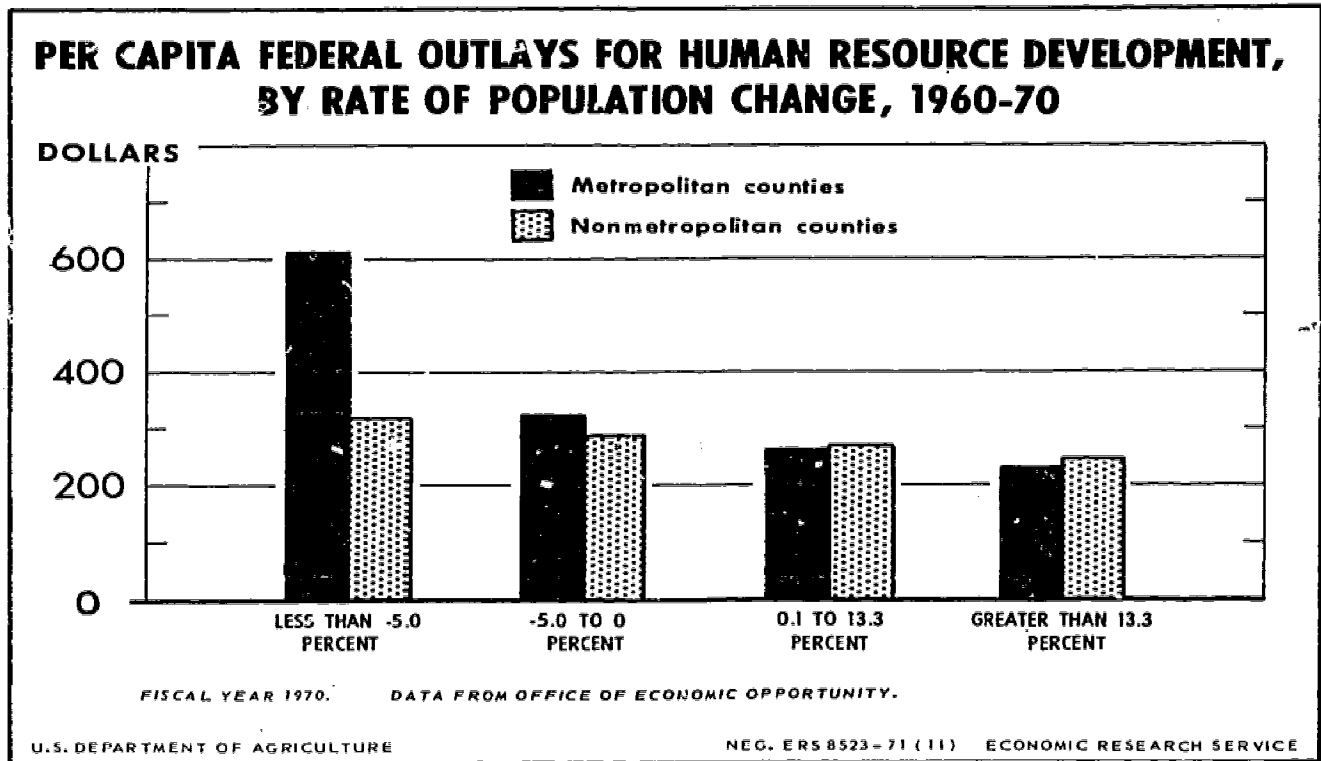


FIGURE 9

rapidly growing metropolitan and nonmetropolitan counties. But per capita Federal welfare payments in metropolitan counties with rapidly declining populations were roughly 4 times as great as in declining nonmetropolitan counties.<sup>5</sup> Also, per capita Federal outlays for health services in declining metropolitan counties were over 4 times as great as such outlays in nonmetropolitan counties with rapidly declining population. At the same time, Federal funds, on a per capita basis, for manpower development in rapidly declining nonmetropolitan counties were only one-third of manpower development outlays accruing to declining metropolitan counties. Federal funds for elementary and secondary education were roughly equal to rapidly declining metropolitan and nonmetropolitan counties (see appendix table 7).

#### IMBALANCE IN FEDERAL HUMAN RESOURCE OUTLAYS

Figure 10 suggests much the same imbalance in terms of Federal human resource outlays with respect to urban orientation of counties. Highly urban counties with rapidly declining population obtained substantially more per capita human resource outlays than any other urban orientation-growth group. The great difference between per capita Federal outlays accruing to metropolitan and nonmetropolitan counties with declining populations as well as declining counties of

<sup>5</sup> Again, this group of counties was dominating in terms of population and Federal spending by counties containing at least a large portion to the cities of New York, Boston, New Orleans, and St. Louis.

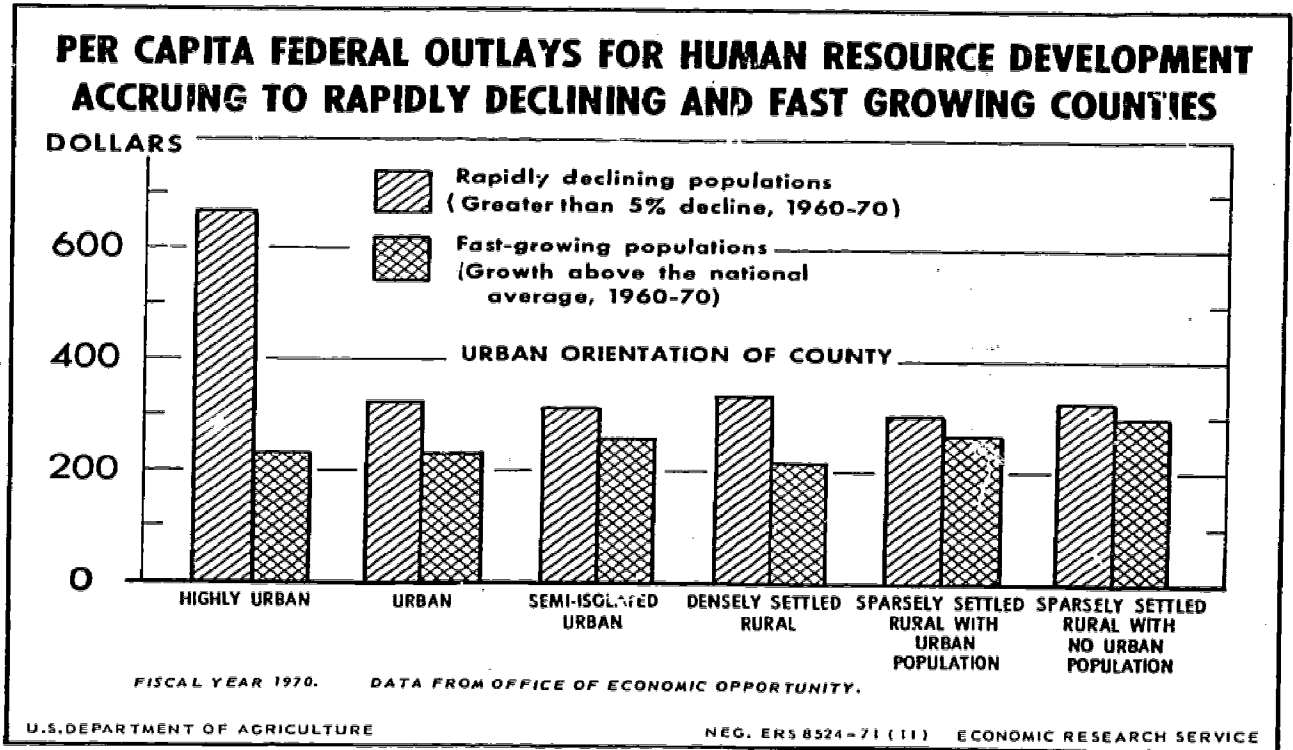


FIGURE 10

different urban orientations suggests the need for more Federal investment in declining nonmetropolitan and rural areas to provide not only more equal public services to the U.S. population, but aid in future development of these nonmetropolitan, rural areas.

#### COMMUNITY DEVELOPMENT OUTLAYS

Per capita outlays for community development were much higher in metropolitan than in nonmetropolitan counties—\$136 in metropolitan counties in contrast to \$98 in nonmetropolitan counties. In general, higher per capita community development outlays were associated with highly urban-oriented counties. But sparsely settled rural counties with no urban population also had per capita community development outlays greater than the national average (figure 11).<sup>6</sup> As was the case with per capita Federal outlays for human resource development, per capita Federal outlays for community development was lowest in the densely settled rural counties (only 62 percent of the national average). Metropolitan and nonmetropolitan counties with rapidly declining population showed little differences in per capita

<sup>6</sup> However, the mix of community development outlays (see appendix table 6, p. 38) in highly urban counties and in sparsely settled rural counties with no urban population was quite different. In the highly urban counties, 66 percent of outlays for community development were outlays for housing loans in contrast with only 22 percent in sparsely settled rural counties with no urban population. On the other hand, transportation outlays comprised 18 and 48 percent of community development outlays in highly urban and sparsely settled rural counties with no urban population, respectively.

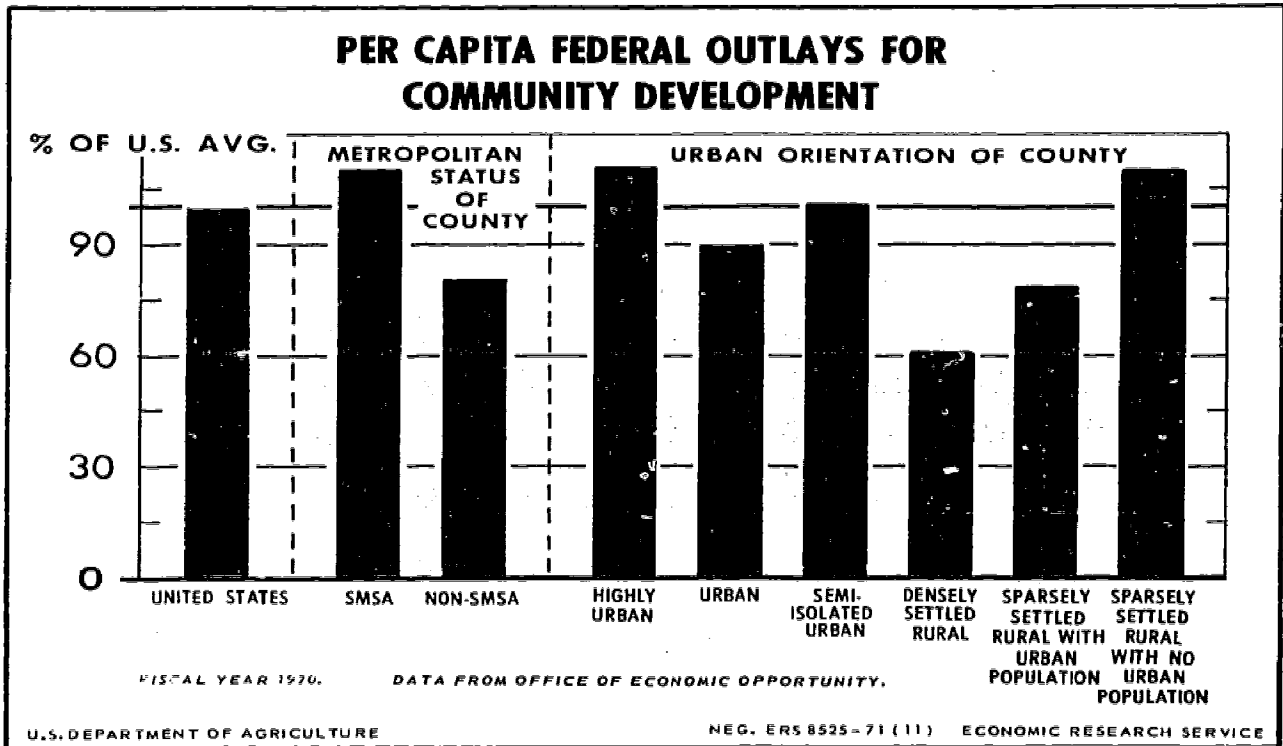


FIGURE 11

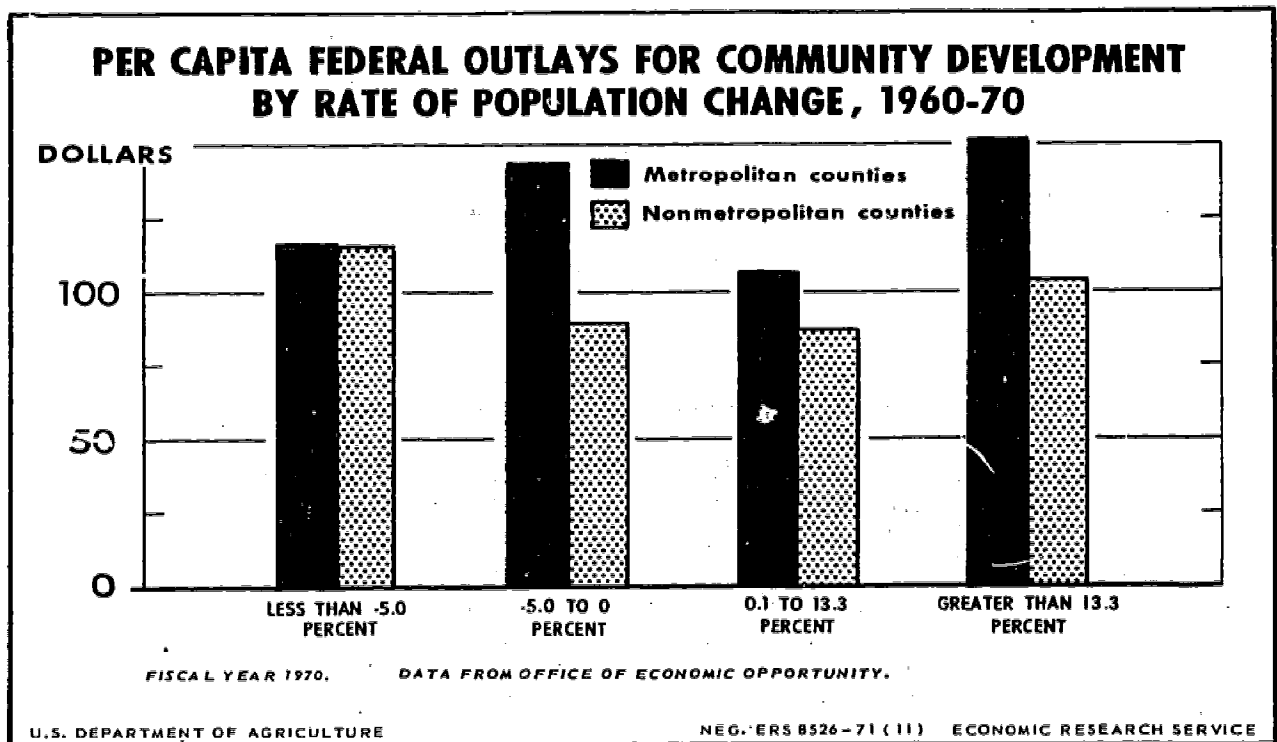


FIGURE 12

outlays for community development (figure 12). But for the other three growth groups, metropolitan counties had substantially higher per capita outlays for community development than nonmetropolitan counties with similar growth rates. Among counties by urban orientation, per capita community development outlays favored the fast-growing, more urban-oriented counties. The rapidly declining, densely settled rural counties obtained the smallest volume of community development outlays which represented only 55 percent of the volume obtained in the fast-growing, highly urban counties (figure 13).

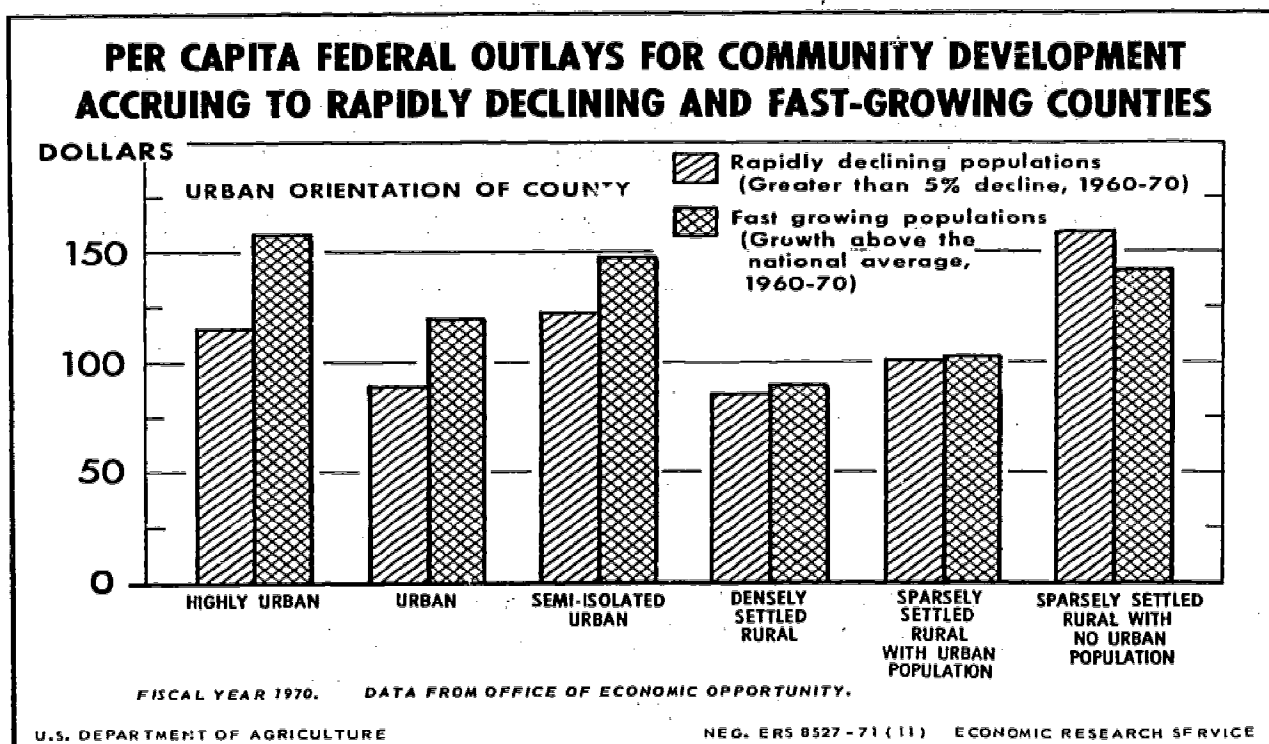


FIGURE 13

## HOUSING LOANS

Housing loans were the largest specific program type with the community development category (see table 1) and exhibited the greatest differential between metropolitan and nonmetropolitan counties—\$86 per capita in metropolitan counties as contrasted with \$38 per capita in nonmetropolitan counties (see appendix table 6). For counties with population growth rates above the national average, per capita housing loans totaled \$106 in metropolitan counties versus only \$50 in fast-growing nonmetropolitan counties (see appendix table 7). Among counties by urban orientation, per capita Federal housing loans in highly urban counties were almost three times as great as in densely settled rural counties—\$91 compared to only \$31 (figure 14).

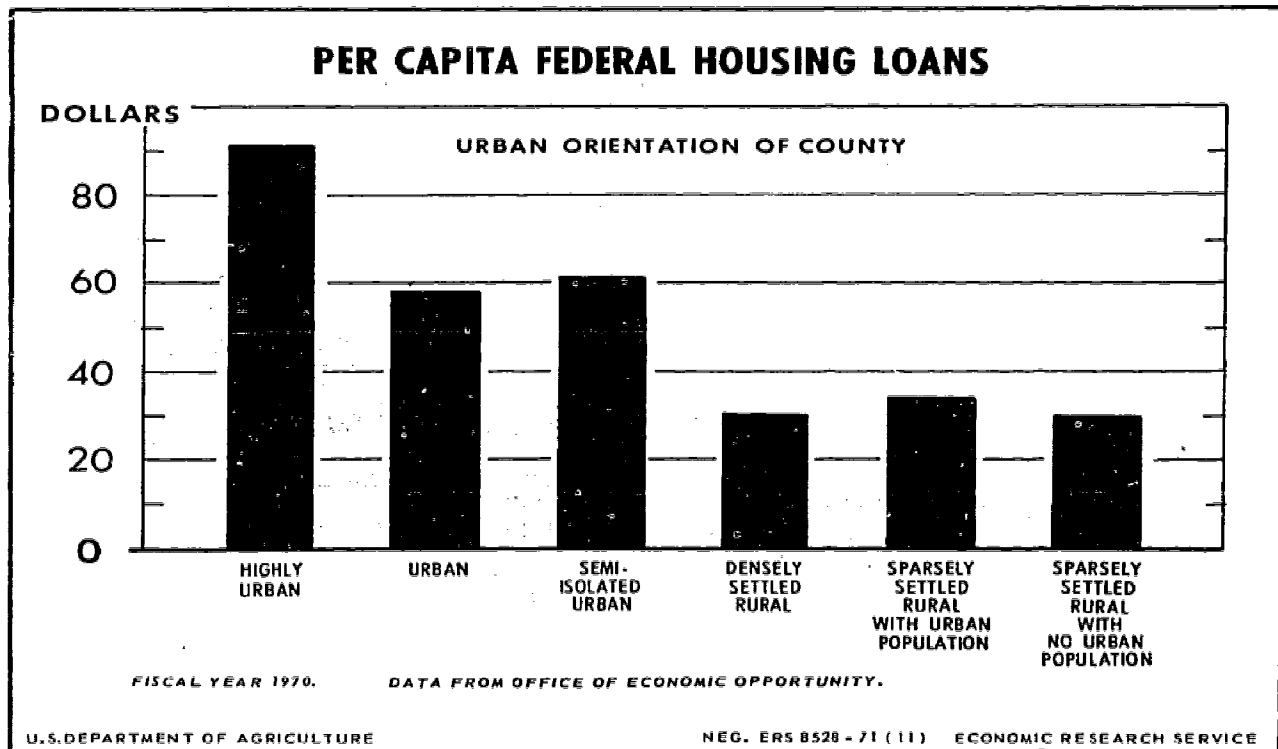


FIGURE 14

#### PER CAPITA DEVELOPMENT LOANS FAVORED RURAL-ORIENTED COUNTIES

Unlike loans for housing, per capita development loans favored the more rural-oriented counties. Such loans in sparsely settled rural counties with no urban population were 4 times the national average (figure 15). In these counties, development loans comprised 23 percent of all community development outlays as compared to 6 percent for the Nation as a whole. On the other hand, housing loans in these counties comprised only 22 percent of all community development outlays as compared to 58 percent for the Nation as a whole. Per capita transportation outlays were over twice as large as in highly urban counties (see appendix table 6).

#### AGRICULTURE AND NATURAL RESOURCE OUTLAYS

Per capita Federal outlays for agriculture and natural resources totaled \$45 for the United States in fiscal year 1970. They averaged \$14 per capita in metropolitan counties and \$118 per capita in nonmetropolitan counties (figure 16). By urban orientation groups, they were substantially higher in the two sparsely settled rural county groups than in any other group. But, such outlays accruing to densely settled rural counties were only slightly above the national average and less than one-half of outlays in semi-isolated urban counties. Although semi-isolated urban counties were termed urban, many were rural in



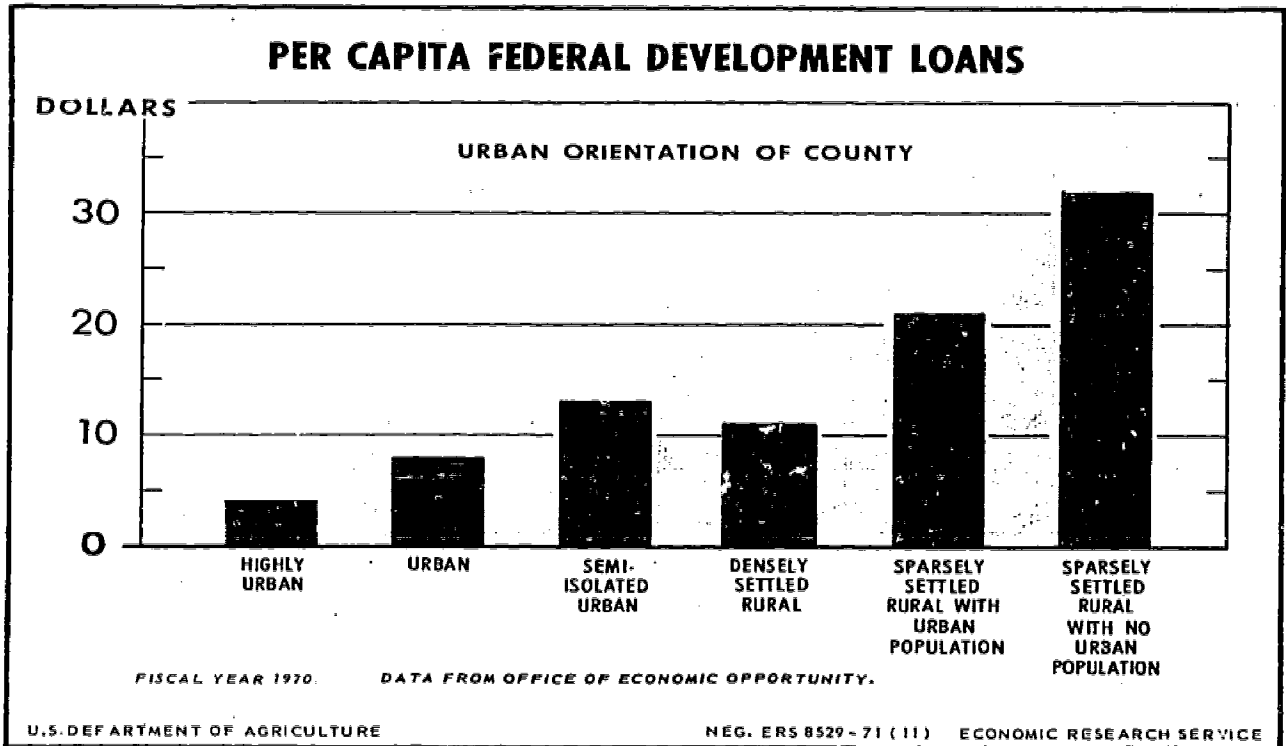


FIGURE 15

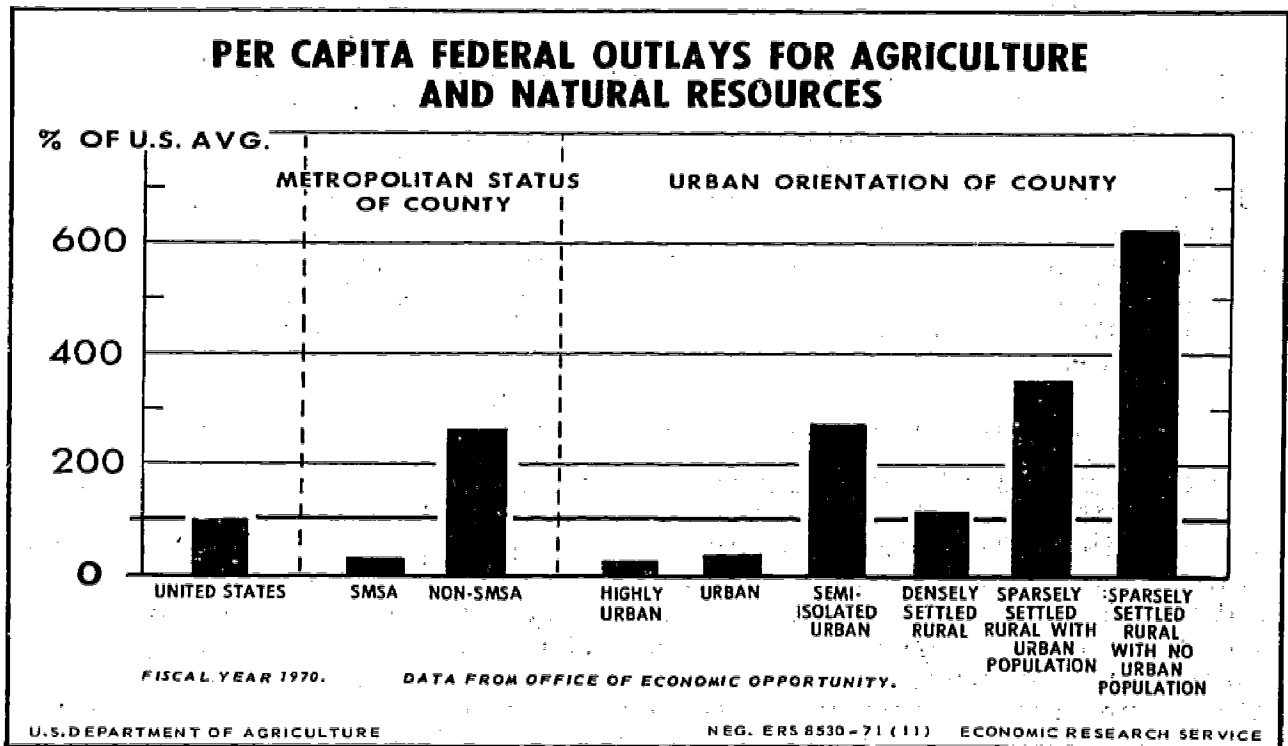


FIGURE 16

many important respects, explaining their high ranking in per capita Federal outlays for agriculture and natural resources.

#### OUTLAYS THREE TIMES AS HIGH

Such outlays accruing to nonmetropolitan counties were almost 3 times as high in counties with per capita incomes in the highest decile as in lowest income decile counties (figure 17). By population growth

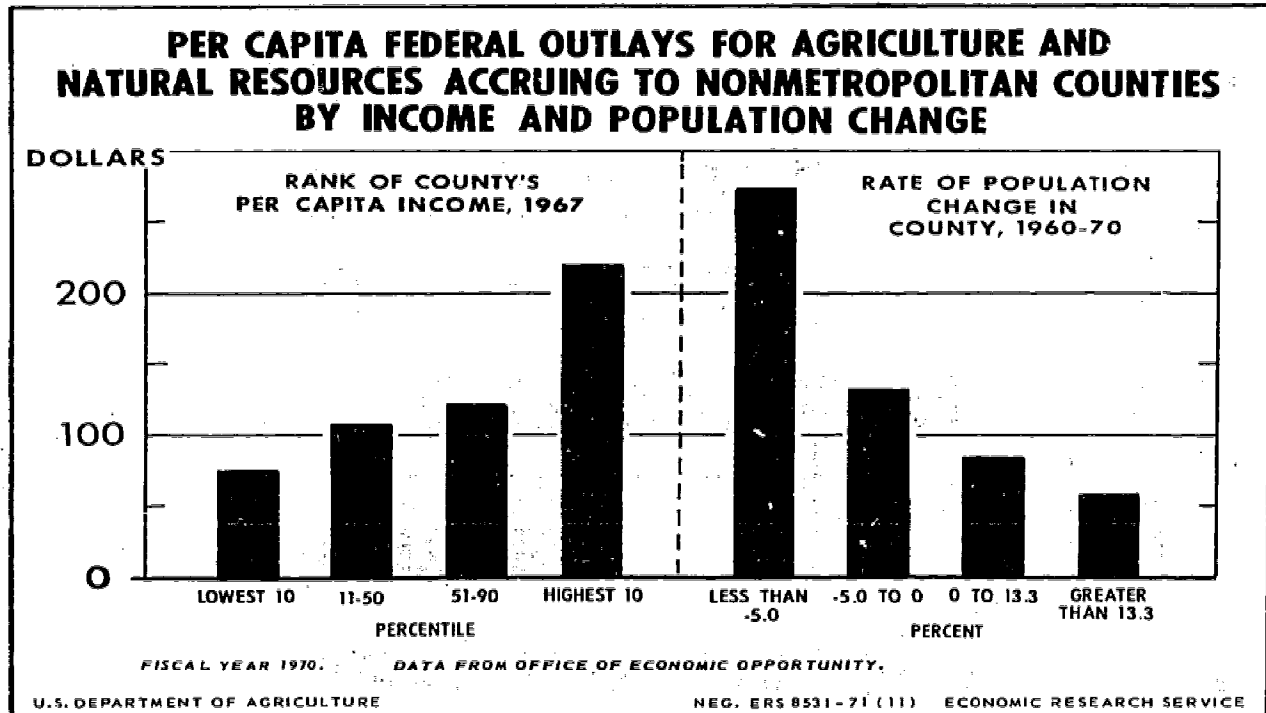


FIGURE 17

groups for nonmetropolitan counties, per capita outlays were almost 5 times as great in counties with population declines of greater than 5 percent in the 1960's as in counties growing faster than the national average. These relationships suggest that in areas with high agriculture payments, a high outmigration of poor, unskilled people has resulted in declining populations and high per capita incomes.

#### DEFENSE OUTLAYS

Although not generally thought of as outlays for economic development, defense outlays (outlays from the Department of Defense, NASA, and AEC) were included here because of their relative magnitude. In fiscal year 1970, they totaled \$63.9 billion, almost one-half of all outlays included in this report. U.S. counties experiencing greater than average defense outlays tended to be metropolitan counties and highly urban-oriented counties. Per capita defense outlays, as a percent of the U.S. average of \$307, were 118.6 and 57.7 percent for metropolitan counties and nonmetropolitan counties, respectively (figure 18). By urban orientation, per capita defense outlays ranged from

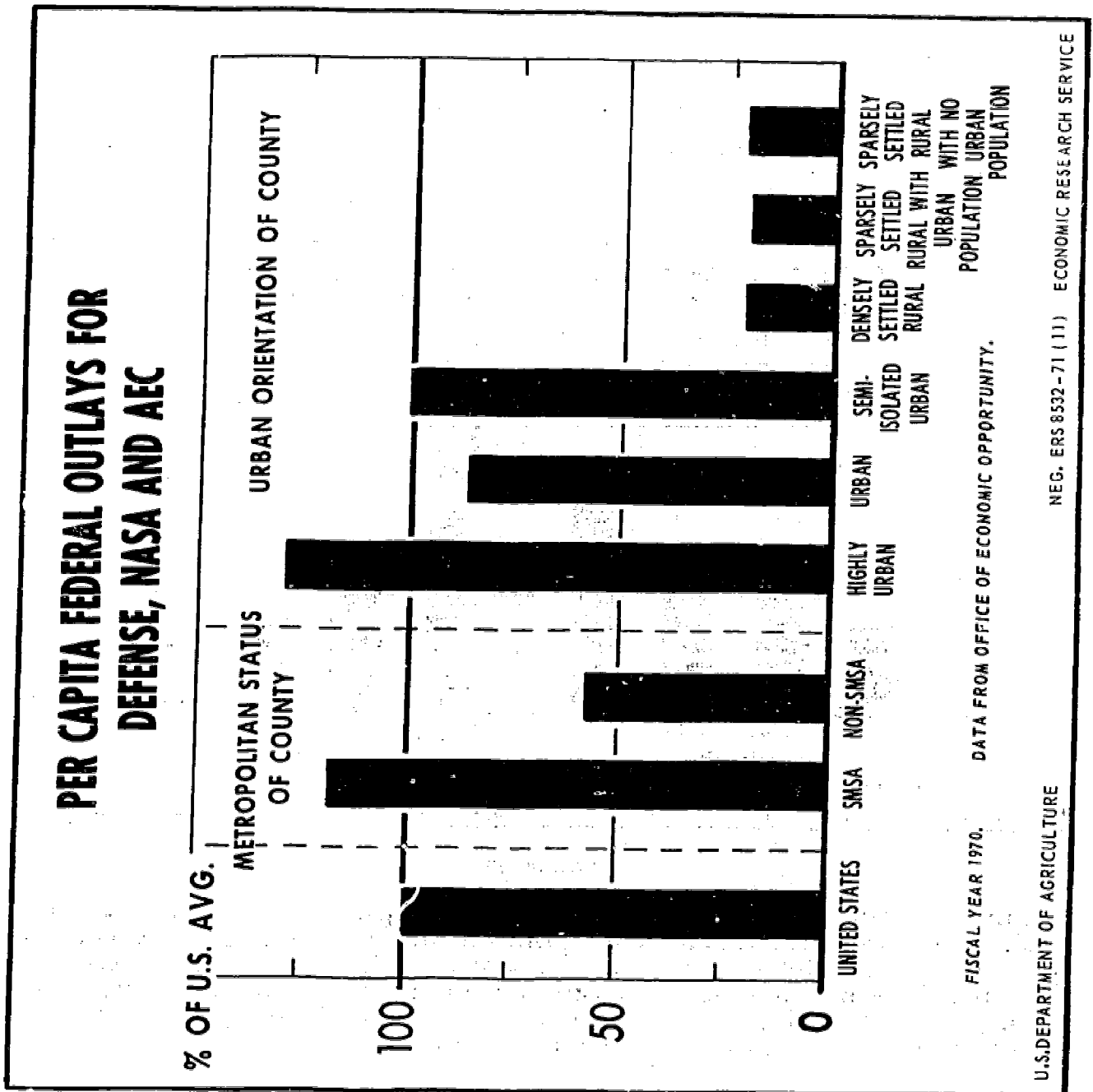


FIGURE 18

129.3 percent of the national average for highly urban counties to only 21.2 percent for sparsely settled rural counties with an urban population. Per capita defense outlays in densely settled rural counties represented only 22.5 percent of the national average of \$307 and only 17.4 percent of per capita defense outlays accruing to highly urban counties.

Defense Department payrolls, on a per capita basis, were \$44 in counties with population declines of over 5 percent in contrast to \$160 for counties with population growth-rates above the national average (appendix table 6). Defense contracts ranged from \$147 per capita in rapidly declining counties to \$215 per capita in fast-growing counties. Both NASA and AEC outlays also greatly favored fast-growing counties.

#### DEFENSE SPENDING FAVORED METRO COUNTIES

Per capita defense spending heavily favored metropolitan counties across all growth groups with per capita outlays in metropolitan counties with rapidly declining populations being over 11 times greater than in nonmetropolitan counties having rapidly declining populations (figure 19). Also, per capita defense spending strongly favored rapidly declining, highly urban counties, and fast-growing urban and semi-isolated urban counties (figure 20). As was the case with community development outlays, per capita defense outlays were lowest in rapidly declining, densely settled rural counties (appendix table 7). The smallest metropolitan-nonmetropolitan difference in per capita defense outlays was in counties which experienced population growth in the 1960's.

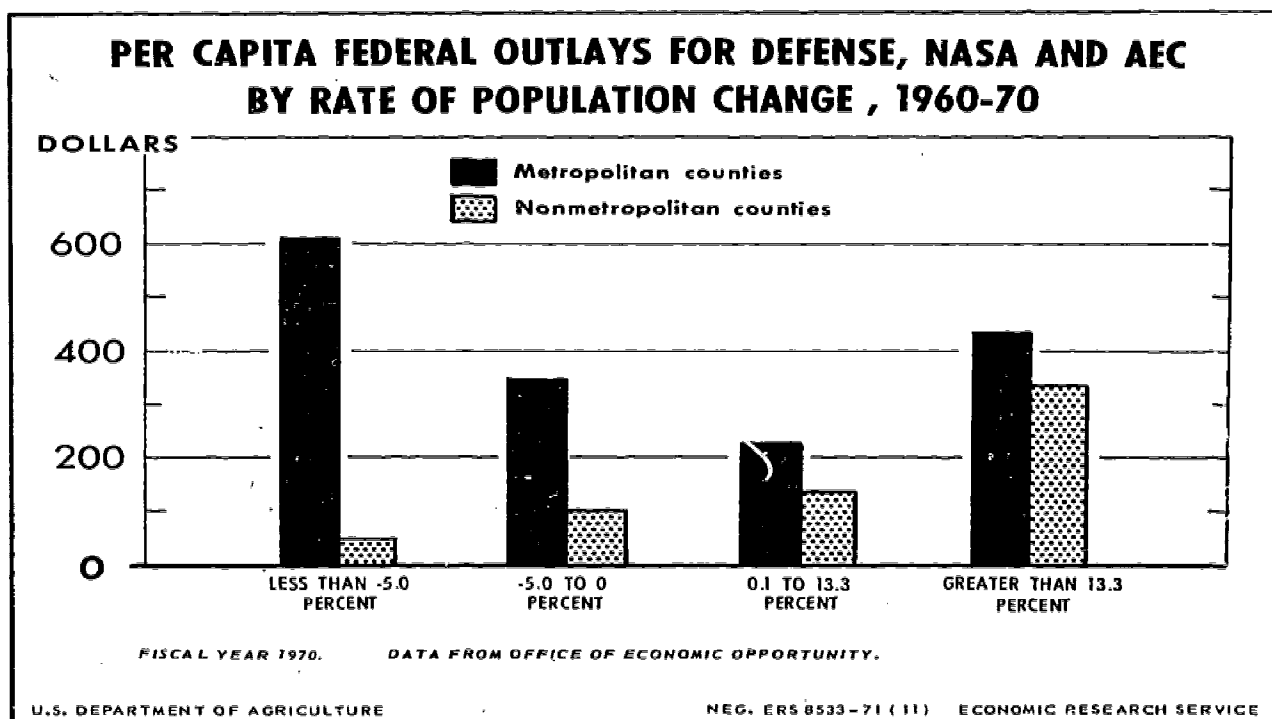


FIGURE 19

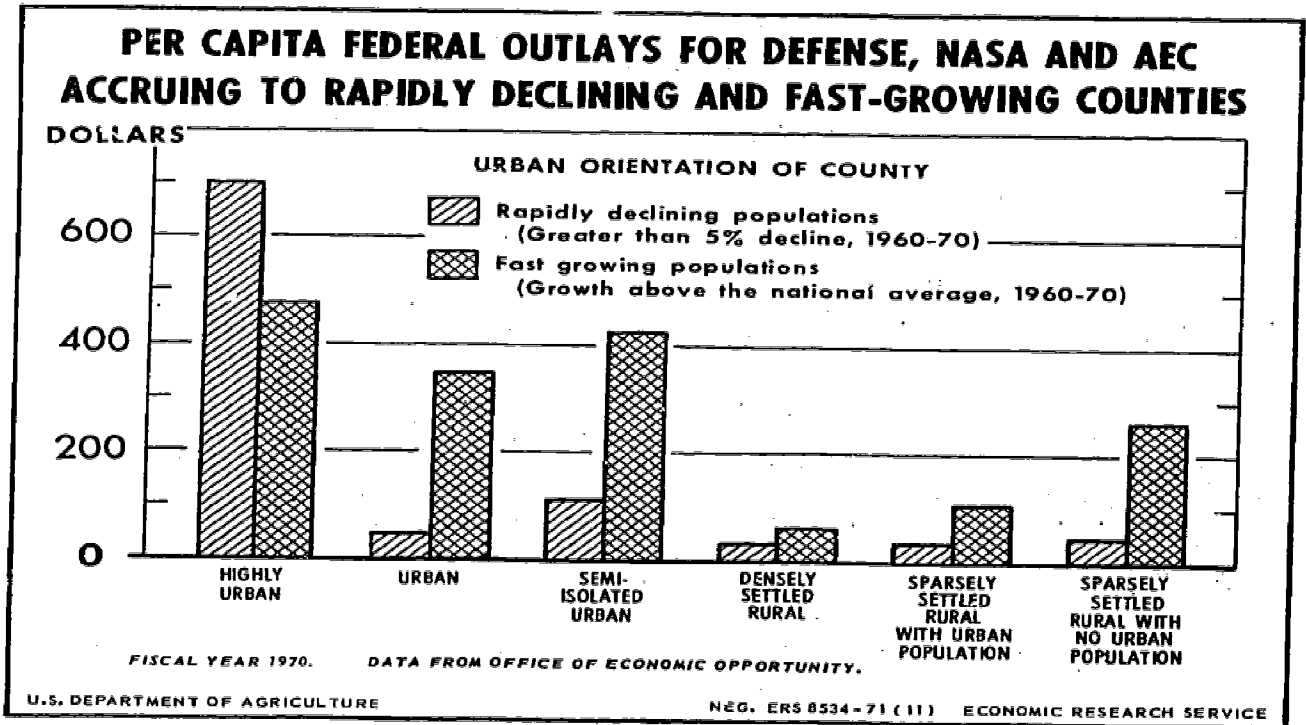


FIGURE 20

## APPRAISAL OF SPECIFIC PROGRAMS

This section goes into the effectiveness of selected programs having well-defined target groups, in distributing Federal outlays between metropolitan and nonmetropolitan areas. It also underscores some of the problems inherent in such appraisals.

To more adequately appraise program equitability with respect to geographic areas, not only must the specific objective of each program be known, but also data to measure the target groups of each program must be available. Equity in the distribution of funds among metropolitan and nonmetropolitan areas is defined here as equal funds per individual or unit within the target group. This definition does not consider metropolitan-nonmetropolitan differences in State and local revenues and population density (i.e., the difference in both the ability and effort to finance public services of State and local governments as well as the differences in the quantity of public outlays from all sources (local, State, and Federal) to provide equal services).

However, it does offer a more precise measure than equal per capita outlays by program types, as considered in the last section. For instance, school-age children from poverty families are the target group for title I funds from the Elementary and Secondary Education Act of 1965, which has as its objective improving and expanding educational programs to meet the specific needs of disadvantaged children in low-income areas. Thus, an equitable distribution of title I funds among metropolitan and nonmetropolitan counties is defined as one equal to the metropolitan-nonmetropolitan distribution of poor, school-age children.

Another example is pertinent. The target group for funds from Manpower Development and Training-Institutional Training of the Department of Labor, which has the objective of providing classroom occupational training and related supportive services for unemployed and underemployed persons who cannot obtain appropriate full-time employment, is the number of unemployed and underemployed persons. Funds from the manpower programs should logically be distributed to metropolitan and nonmetropolitan areas on the basis of the number of unemployed and underemployed persons residing in each area.

In this section, the percentage of specific groups of persons in poverty, employment categories, and educational attainment groups residing in metropolitan and nonmetropolitan areas is used as a "proxy" for target groups for selected programs in human resource development (table 5). The percentage distribution of substandard housing units in metropolitan and nonmetropolitan areas in 1968 is used to provide

rough insights into equity in providing housing funds between the two broad categories. Target groups are not available from the *Census of Population, 1970*, for counties by urban orientation, precluding analysis of specific programs by county urban orientation.

TABLE 5.—PERCENTAGE DISTRIBUTION OF SELECTED POPULATIONS, SUBSTANDARD HOUSING, AND FEDERAL OUTLAYS FOR SELECTED PROGRAMS AMONG METROPOLITAN AND NONMETROPOLITAN AREAS

[In percent]

| Item  | Agency     | Metropolitan | Non-metropolitan |
|---|------------|--------------|------------------|
| Total population <sup>1</sup> .....   |            | 64.9         | 35.1             |
| Poverty population:   |            |              |                  |
| Total.....  |            | 53.7         | 49.3             |
| Less than 6 years in age.....   |            | 53.6         | 46.4             |
| 6 to 17 years in age.....   |            | 50.0         | 50.0             |
| 65 years in age and older.....  |            | 48.7         | 51.3             |
| Under 18 years in age in female headed households.....  |            | 63.7         | 36.3             |
| Unemployed persons, 16 years and over.....  |            | 65.2         | 34.8             |
| Adults with less than 8 years of schooling.....   |            | 54.7         | 45.3             |
| Substandard housing units, 1968 <sup>2</sup> .....  |            | 33.9         | 66.1             |
| Human resource development:   |            |              |                  |
| Deprived children education (title I).....  | HEW.....   | 59           | 41               |
| Headstart and Headstart follow-through.....   | HEW.....   | 64           | 36               |
| Basic adult education.....  | HEW.....   | 90           | 10               |
| Higher education opportunity grants.....  | HEW.....   | 67           | 33               |
| Neighborhood health centers.....  | OEO.....   | 89           | 11               |
| Old age assistance.....   | HEW.....   | 53           | 47               |
| Aid to families with dependent children.....  | HEW.....   | 76           | 24               |
| Child welfare services.....   | HEW.....   | 80           | 20               |
| MDTA—Institutional training.....  | Labor..... | 63           | 37               |
| Neighborhood Youth Corps.....   | do.....    | 69           | 31               |
| Community development:  |            |              |                  |
| Basic water and sewer facility loans.....   | HUD.....   | 72           | 28               |
| Public facility loans.....  | HUD.....   | 26           | 74               |
| Grants and loans for development facilities.....  | Comm.....  | 15           | 85               |
| Small business financial assistance program.....  | SBA.....   | 59           | 41               |
| Low to moderate income housing loans.....   | USDA.....  | 16           | 84               |
| Mortgage insurance for low to moderate income housing loans, market rate of interest.....       | HUD.....   | 69           | 31               |
| Mortgage insurance for low to moderate income housing loans, below market rate of interest..... | HUD.....   | 93           | 7                |

<sup>1</sup> Population data from U.S. Bureau of Census, Current Population Reports, series P-23, No. 37, "Social and Economic Characteristics of the Population in Metropolitan and Nonmetropolitan Areas: 1970 and 1960," U.S. Government Printing Office, Washington, D.C., 1971.

<sup>2</sup> U.S. Department of Agriculture, Economic Research Service, Agricultural Economic Report No. 193, Rural Housing: Trends and Prospects, U.S. Government Printing Office, September 1970. In the report standard housing was defined as not dilapidated with all plumbing facilities.

School-age children (6–17 years of age) from poverty families are more heavily concentrated in nonmetropolitan areas than are funds under the 1965 education act. The same is true of the number of pre-school poor children relative to outlays for Headstart and Headstart Follow Through. With regard to outlays for adult basic education, these funds were far more heavily concentrated in metropolitan areas than were adults with 8 years of schooling or less. In general, if these poverty groups are reasonable indicators of target groups, nonmetropolitan areas should be getting a larger share from these education programs.

Much the same can be said for welfare programs. Target groups were more heavily concentrated in nonmetropolitan areas than outlays accruing to nonmetropolitan areas. For instance, 36 percent of children in poverty households with a female head resided in nonmetropolitan areas, but only 24 percent of outlays for the AFDC program went to nonmetropolitan areas, and funds for child welfare services

accruing to nonmetropolitan areas composed only 20 percent of the U.S. total. Old-age assistance payments appeared to be more equitably distributed between metropolitan and nonmetropolitan areas than were outlays for AFDC and child welfare services.

A crude indicator of the equitability of housing outlays is provided by comparing the percentage distribution between metropolitan and nonmetropolitan areas of substandard housing units with outlays from selected housing programs. Of the three housing programs selected, the USDA program favored nonmetropolitan areas, but the two HUD programs heavily favored metropolitan areas. In total, as can be seen in figure 14, housing outlays were heavily concentrated in metropolitan areas despite the larger number of substandard housing units in nonmetropolitan areas.



# APPENDIX TABLES

APPENDIX TABLE 1.—TOTAL PER CAPITA FEDERAL OUTLAYS BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL 1970

| Item  | Metropolitan status |       |          |              | Urban orientation |                     |                       |  |   |
|---|---------------------|-------|----------|--------------|-------------------|---------------------|-----------------------|--|---|
|   | Total               | SMSA  | Non-SMSA | Highly urban | Urban             | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural without urban population |
| <b>Per capita income, 1967:</b>                         |                     |       |          |              |                   |                     |                       |  |   |
| Lowest decile.....                                      | \$497               | \$395 | \$497    | .....        | \$447             | \$398               | \$458                 | \$489  | \$522   |
| 2d to 5th decile.....                                   | 570                 | 585   | 588      | \$485        | 584               | 641                 | 436                   | 556  | 761   |
| 5th to 9th decile....                                   | 763                 | 786   | 718      | 837          | 656               | 874                 | 468                   | 720  | 1,101   |
| Highest decile.....                                     | 796                 | 779   | 1,317    | 808          | 628               | 1,012               | 392                   | 1,047  | 2,534   |
| <b>Per capita income growth, 1959-67:</b>               |                     |       |          |              |                   |                     |                       |  |   |
| Lowest decile.....                                      | 863                 | 899   | 823      | 913          | 1,054             | 895                 | 434                   | 600  | 722   |
| 2d to 5th decile.....                                   | 736                 | 765   | 595      | 802          | 575               | 759                 | 439                   | 572  | 667   |
| 5th to 9th decile.....                                  | 731                 | 878   | 674      | 1,107        | 743               | 849                 | 450                   | 615  | 746   |
| Highest decile.....                                     | 919                 | 1,362 | 909      | .....        | 732               | 1,453               | 526                   | 739  | 1,224   |
| <b>Population growth, 1960-70:</b>                      |                     |       |          |              |                   |                     |                       |  |   |
| Less than -5.0 percent.....                             | 931                 | 1,354 | 762      | 1,494        | 480               | 807                 | 535                   | 717  | 981   |
| -5.0 to 0 percent.....                                  | 751                 | 827   | 620      | 881          | 537               | 752                 | 482                   | 577  | 602   |
| 0.1 to 13.3 percent.....                                | 605                 | 619   | 577      | 622          | 562               | 783                 | 446                   | 581  | 618   |
| Greater than U.S. average (13.3 percent).....           | 819                 | 835   | 752      | 879          | 721               | 917                 | 408                   | 567  | 811   |
| <b>Contiguity:</b>                                      |                     |       |          |              |                   |                     |                       |  |   |
| Rural counties contiguous with—                         | 621                 | ..... | 621      | .....        | .....             | .....               | 494                   | 635  | 735   |
| Other rural counties.....                               | 600                 | 500   | 604      | .....        | .....             | .....               | 436                   | 618  | 853   |
| Urban or semi-isolated urban counties.....              | 522                 | 476   | 536      | .....        | .....             | .....               | 460                   | 560  | 646   |
| Highly urban.....                                       |                     |       |          |              |                   |                     |                       |  |   |
| Urban and semi-isolated urban counties contiguous with— |                     |       |          |              |                   |                     |                       |  |   |
| Highly urban counties.....                              | 643                 | 656   | 616      | .....        | 596               | 796                 | .....                 | .....  | .....   |
| All other counties.....                                 | 752                 | 741   | 760      | .....        | 684               | 852                 | .....                 | .....  | .....   |
| Highly urban counties.....                              | 815                 | 811   | 1,083    | 815          | .....             | .....               | .....                 | .....  | .....   |
| All counties.....                                       | 745                 | 779   | 668      | 815          | 641               | 835                 | 449                   | 612  | 808   |

Note: The reliability of per capita Federal outlays by county subgroups depends on the number of counties within each subgroup (see text table 3, p. 8). For instance, densely settled rural counties within the highest income decile numbered only 15 whereas there was only 1 urban county in the lowest income decile. Caution should be used in interpreting outlays for a subgroup representing a small number of counties. On the other hand, per capita Federal outlays accruing to subgroups which include a larger number of counties should be reliable.



APPENDIX TABLE 2

APPENDIX TABLE 2.—PER CAPITA FEDERAL OUTLAYS FOR HUMAN RESOURCE DEVELOPMENT BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970

| Item  | Metropolitan status |       |          |              |       | Urban orientation   |                       |  |   |
|---|---------------------|-------|----------|--------------|-------|---------------------|-----------------------|--|---|
|   | Total               | SMSA  | Non-SMSA | Highly urban | Urban | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural without urban population |
| Per capita income, 1967:                                | \$288               | ..... | \$288    | .....        | \$393 | \$231               | \$251                 | \$278  | \$302   |
| Lowest decile.....                                      | 281                 | ..... | 283      | .....        | 253   | 284                 | 259                   | 290  | 328   |
| 2d to 5th decile.....                                   | 258                 | ..... | 271      | .....        | 258   | 284                 | 243                   | 296  | 314   |
| 5th to 9th decile.....                                  | 274                 | ..... | 244      | .....        | 212   | 223                 | 212                   | 276  | 352   |
| Highest decile.....                                     | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Per capita income growth, 1959-67:                      | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Lowest decile.....                                      | 277                 | 279   | 274      | 277          | 253   | 278                 | 250                   | 290  | 325   |
| 2d to 5th decile.....                                   | 268                 | 266   | 280      | 272          | 246   | 282                 | 251                   | 295  | 319   |
| 5th to 9th decile.....                                  | 263                 | 245   | 271      | 223          | 252   | 274                 | 246                   | 291  | 309   |
| Highest decile.....                                     | 287                 | 146   | 290      | .....        | 248   | 248                 | 285                   | 272  | 336   |
| Population growth, 1960-70:                             | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Less than -5.0 percent.....                             | 403                 | 610   | 320      | 668          | 326   | 315                 | 338                   | 306  | 328   |
| -5.0 to 0 percent.....                                  | 312                 | 324   | 292      | 329          | 292   | 304                 | 273                   | 291  | 301   |
| 0.1 to 13.3 percent.....                                | 265                 | 264   | 267      | 263          | 255   | 276                 | 246                   | 288  | 321   |
| Greater than U.S. average (13.3 percent).....           | 237                 | 233   | 252      | 234          | 233   | 259                 | 215                   | 270  | 299   |
| Contiguity:   | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Rural counties contiguous with—                         | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Other rural counties.....                               | 317                 | ..... | 317      | .....        | ..... | .....               | 314                   | 287  | 375   |
| Urban or semisolated urban counties.....                | 283                 | 209   | 286      | .....        | ..... | .....               | 250                   | 296  | 308   |
| Highly urban.....                                       | 240                 | 215   | 248      | .....        | ..... | .....               | 212                   | 267  | 253   |
| Urban and semi-isolated urban counties contiguous with— | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Highly urban counties.....                              | 240                 | 235   | 251      | .....        | 213   | 268                 | .....                 | .....  | .....   |
| All other counties.....                                 | 271                 | 262   | 277      | .....        | 263   | 282                 | .....                 | .....  | .....   |
| Highly urban counties.....                              | 270                 | 271   | 195      | 270          | 248   | 278                 | 250                   | 290  | 318   |
| All counties.....                                       | 268                 | 265   | 276      | 270          | 248   | 278                 | 250                   | 290  | 318   |

Note: The reliability of per capita Federal outlays by county subgroups depends on the number of counties within each subgroup (see text table 3, p. 8). For instance, densely settled rural counties within the highest income decile numbered only 15 whereas there was only 1 urban county in the lowest income decile. Caution should be used in interpreting outlays for a subgroup representing a small number of counties. On the other hand, per capita Federal outlays accruing to subgroups which include a larger number of counties should be reliable.

APPENDIX TABLES

APPENDIX TABLE 3.—PER CAPITA FEDERAL OUTLAYS FOR COMMUNITY RESOURCE DEVELOPMENT BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970

| Item  | Metropolitan status |       |          |              |       | Urban orientation   |                       |  |   |
|---|---------------------|-------|----------|--------------|-------|---------------------|-----------------------|--|---|
|   | Total               | SMSA  | Non-SMSA | Highly urban | Urban | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural without urban population |
| Per capita income, 1967:                                | \$112               | 95    | \$112    | 98           | \$104 | \$78                | \$128                 | \$99   | \$119   |
| Lowest decile.....                                      | 98                  | 146   | 94       | 128          | 155   | 104                 | 75                    | 97   | 143   |
| 2d to 5th decile.....                                   | 128                 | 130   | 115      | 130          | 130   | 133                 | 68                    | 93   | 133   |
| 4th to 9th decile.....                                  | 129                 | 170   | 121      | 149          | 160   | 164                 | 48                    | 102  | 245   |
| Highest decile.....                                     | 147                 | 133   | 91       | 138          | 99    | 119                 | 80                    | 89   | 113   |
| Per capita income growth, 1959-67:                      | 126                 | 153   | 97       | 146          | 125   | 103                 | 76                    | 99   | 120   |
| Lowest decile.....                                      | 113                 | 95    | 118      | .....        | 66    | 134                 | 83                    | 112  | 146   |
| 2d to 5th decile.....                                   | 118                 | 117   | 116      | 115          | 89    | 122                 | 86                    | 101  | 151   |
| 4th to 9th decile.....                                  | 116                 | 144   | 90       | 153          | 86    | 94                  | 67                    | 101  | 160   |
| Highest decile.....                                     | 124                 | 107   | 87       | 105          | 98    | 112                 | 70                    | 90   | 104   |
| Population growth, 1960-70:                             | 100                 | 153   | 104      | 157          | 119   | 147                 | 89                    | 102  | 112   |
| Less than -5.0 percent.....                             | 143                 | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| -5.0 to 0 percent.....                                  | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| 0.1 to 13.3 percent.....                                | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Greater than U.S. average (13.3 percent).....           | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Contiguity:   | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Rural counties contiguous with—                         | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| Other rural counties.....                               | 107                 | ..... | 107      | .....        | ..... | .....               | 81                    | 94   | 158   |
| Urban or semiisolated urban counties.....               | 95                  | 104   | 94       | .....        | ..... | .....               | 72                    | 98   | 129   |
| Highly urban.....                                       | 99                  | 94    | 101      | .....        | ..... | .....               | 91                    | 97   | 148   |
| Urban and semi-isolated urban counties contiguous with— | .....               | ..... | .....    | .....        | ..... | .....               | .....                 | .....  | .....   |
| High urban counties.....                                | 108                 | 179   | 83       | .....        | 100   | 132                 | .....                 | .....  | .....   |
| All other counties.....                                 | 118                 | 139   | 103      | .....        | 116   | 121                 | .....                 | .....  | .....   |
| Highly urban counties.....                              | 138                 | 139   | 109      | 138          | ..... | .....               | .....                 | .....  | .....   |
| All counties.....                                       | 124                 | 136   | 98       | 138          | 109   | 125                 | 77                    | 97   | 137   |

Note: The reliability of per capita Federal outlays by county subgroups depends on the number of counties within each subgroup (see text table 3, p. 8). For instance, densely settled rural counties within the highest income decile numbered only 15 whereas there was only 1 urban county in the lowest income decile. Caution should be used in interpreting outlays for a subgroup representing a small number of counties. On the other hand, per capita Federal outlays accruing to subgroups which include a larger number of counties should be reliable.

APPENDIX TABLES

APPENDIX TABLE 4.—PER CAPITA FEDERAL OUTLAYS FOR AGRICULTURE AND NATURAL RESOURCES BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970

| Item  | Metropolitan status |       |          |              | Urban orientation |                     |                       |  |   |
|---|---------------------|-------|----------|--------------|-------------------|---------------------|-----------------------|--|---|
|   | Total               | SMSA  | Non-SMSA | Highly urban | Urban             | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural without urban population |
| Per capita income, 1967:                                |                     |       |          |              |                   |                     |                       |  |   |
| Lowest decile.....                                      | \$75                | ..... | \$75     | .....        | \$2               | \$57                | \$48                  | \$82   | \$83  |
| 2d to 5th decile.....                                   | 102                 | \$28  | 108      | \$1          | 28                | 130                 | 55                    | 121  | 232   |
| 5th to 9th decile.....                                  | 54                  | 19    | 122      | 12           | 16                | 121                 | 50                    | 231  | 598   |
| Highest decile.....                                     | 17                  | 10    | 219      | 9            | 19                | 142                 | 49                    | 492  | 975   |
| Per capita income growth, 1959-67:                      |                     |       |          |              |                   |                     |                       |  |   |
| Lowest decile.....                                      | 82                  | 22    | 148      | 11           | 13                | 108                 | 46                    | 112  | 271   |
| 2d to 5th decile.....                                   | 25                  | 13    | 86       | 10           | 16                | 126                 | 39                    | 130  | 200   |
| 5th to 9th decile.....                                  | 91                  | 25    | 117      | 18           | 23                | 137                 | 63                    | 160  | 246   |
| Highest decile.....                                     | 278                 | 21    | 284      | .....        | 28                | 110                 | 70                    | 292  | 501   |
| Population growth, 1950-70:                             |                     |       |          |              |                   |                     |                       |  |   |
| Less than -5.0 percent.....                             | 200                 | 16    | 274      | 11           | 17                | 255                 | 75                    | 271  | 444   |
| -5.0 to 0 percent.....                                  | 57                  | 13    | 132      | 12           | 17                | 147                 | 67                    | 142  | 178   |
| 0.1 to 13.3 percent.....                                | 38                  | 16    | 84       | 10           | 20                | 118                 | 51                    | 127  | 129   |
| Greater than U.S. average (13.3 percent).....           | 22                  | 13    | 58       | 9            | 17                | 85                  | 41                    | 86   | 106   |
| Contiguity:   |                     |       |          |              |                   |                     |                       |  |   |
| Rural counties contiguous with—                         |                     |       |          |              |                   |                     |                       |  |   |
| Other rural counties.....                               | 117                 | ..... | 117      | .....        | .....             | .....               | .....                 | .....  | .....   |
| Urban or semiisolated urban counties.....               | 157                 | 40    | 162      | .....        | .....             | .....               | 42                    | 127  | 183   |
| Highly urban.....                                       | 118                 | 48    | 141      | .....        | .....             | .....               | 54                    | 167  | 322   |
| Urban and semi-isolated urban counties contiguous with— |                     |       |          |              |                   |                     |                       |  |   |
| Highly urban counties.....                              | 23                  | 19    | 49       | .....        | 13                | 78                  | .....                 | .....  | .....   |
| All other counties.....                                 | 73                  | 33    | 102      | .....        | 23                | 145                 | .....                 | .....  | .....   |
| Highly urban counties.....                              | 10                  | 10    | 9        | 10           | .....             | .....               | .....                 | .....  | .....   |
| All counties.....                                       | 45                  | 14    | 118      | 10           | 18                | 125                 | 52                    | 160  | 281   |

Note: The reliability of per capita Federal outlays by county subgroups depends on the number of counties within each subgroup (see text table 3, p. 8). For instance, densely settled rural counties within the highest income decile numbered only 15 whereas there was only 1 urban county in the lowest income decile. Caution should be used in interpreting outlays for a subgroup representing a small number of counties. On the other hand, per capita Federal outlays accruing to subgroups which include a larger number of counties should be reliable.

APPENDIX TABLE 5.—PER CAPITA FEDERAL OUTLAYS FOR DEFENSE, NASA AND AEC, BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970

| Item  | Metropolitan status |       |          | Urban orientation |       |                     |                       | Sparsely settled rural with-out urban population |
|---|---------------------|-------|----------|-------------------|-------|---------------------|-----------------------|--|
|   | Total               | SMSA  | Non-SMSA | Highly urban      | Urban | Semi-isolated urban | Densely settled rural |  |
| Per capita income, 1967:                                |                     |       |          |                   |       |                     |                       |  |
| Lowest decile.....                                      | \$22                | ..... | \$22     | .....             | \$11  | \$33                | \$20                  | \$18   |
| 2d to 5th decile.....                                   | 89                  | \$219 | 78       | \$73              | 209   | 124                 | 46                    | 57   |
| 5th to 9th decile.....                                  | 323                 | 370   | 231      | 427               | 273   | 340                 | 107                   | 56   |
| Highest decile.....                                     | 377                 | 364   | 738      | 396               | 281   | 515                 | 24                    | 961  |
| Per capita income growth, 1959-67:                      |                     |       |          |                   |       |                     |                       |  |
| Lowest decile.....                                      | 357                 | 428   | 279      | 476               | 627   | 346                 | 91                    | 13   |
| 2d to 5th decile.....                                   | 317                 | 354   | 138      | 383               | 214   | 233                 | 70                    | 28   |
| 5th to 9th decile.....                                  | 264                 | 456   | 189      | 720               | 343   | 335                 | 65                    | 44   |
| Highest decile.....                                     | 263                 | 1,100 | 217      | .....             | 390   | 961                 | 87                    | 236  |
| Population growth, 1960-70:                             |                     |       |          |                   |       |                     |                       |  |
| Less than -5.0 percent.....                             | 211                 | 611   | 52       | 700               | 48    | 114                 | 35                    | 49   |
| -5.0 to 0 percent.....                                  | 257                 | 347   | 105      | 387               | 142   | 206                 | 75                    | 19   |
| 0.1 to 13.3 percent.....                                | 202                 | 233   | 139      | 244               | 179   | 177                 | 79                    | 56   |
| Greater than U.S. average (13.3 percent).....           | 417                 | 436   | 338      | 478               | 352   | 426                 | 63                    | 264  |
| Contiguity:   |                     |       |          |                   |       |                     |                       |  |
| Rural counties contiguous with—                         |                     |       |          |                   |       |                     |                       |  |
| Other rural counties.....                               | 80                  | ..... | 80       | .....             | ..... | .....               | 57                    | 20   |
| Urban or semi-isolated urban counties.....              | 65                  | 148   | 62       | .....             | ..... | .....               | 60                    | 58   |
| highly urban.....                                       | 65                  | 119   | 47       | .....             | ..... | .....               | 103                   | 31   |
| Urban and semi-isolated urban counties contiguous with— |                     |       |          |                   |       |                     |                       |  |
| Highly urban counties.....                              | 267                 | 233   | 233      | .....             | 252   | 317                 | .....                 | .....  |
| All other counties.....                                 | 290                 | 307   | 278      | .....             | 281   | 304                 | .....                 | .....  |
| Highly urban counties.....                              | 397                 | 391   | 770      | 397               | ..... | .....               | .....                 | .....  |
| All counties.....                                       | 307                 | 364   | 177      | 397               | 267   | 308                 | 96                    | 65   |
|   |                     |       |          |                   |       |                     |                       | 72   |

Note: The reliability of per capita Federal outlays by county subgroups depends on the number of counties within each subgroup (see text table 3, p. 8). For instance, densely settled rural counties within the highest income decile numbered only 15 whereas there was only 1 urban county in the lowest income decile. Caution should be used in interpreting outlays for a subgroup representing a small number of counties. On the other hand, per capita Federal outlays accruing to subgroups which include a larger number of counties should be reliable.

APPENDIX TABLES

APPENDIX TABLES

APPENDIX TABLE 6.—PER CAPITA FEDERAL OUTLAYS BY SPECIFIC PROGRAM TYPE, BY METROPOLITAN STATUS, URBAN ORIENTATION, AND POPULATION GROWTH OF COUNTY, FISCAL YEAR 1970

(In dollars per capita)

| Specific program type   | Metropolitan Status |      |          |          |          |              | Urban orientation |                     |                       |                                   |                                   | Population growth, 1960-70 |                   |                   |                                       |
|---|---------------------|------|----------|----------|----------|--------------|-------------------|---------------------|-----------------------|-----------------------------------|-----------------------------------|----------------------------|-------------------|-------------------|---------------------------------------|
|   | Total               | SMSA |          | Non-SMSA |          | Highly urban | Urban             | Semi-isolated urban | Densely settled rural | Sparsely settled urban population | Sparsely settled rural population | Less than -5.0 percent     | -5.0 to 0 percent | 0 to 13.3 percent | Above 13.3 percent (national average) |
|   |                     | SMSA | Non-SMSA | SMSA     | Non-SMSA |              |                   |                     |                       |                                   |                                   |                            |                   |                   |                                       |
| Human resources:  |                     |      |          |          |          |              |                   |                     |                       |                                   |                                   |                            |                   |                   |                                       |
| Elementary and secondary education.....                             | 12                  | 11   | 14       |          | 11       | 12           | 13                | 13                  | 15                    | 20                                | 22                                | 14                         | 11                | 11                |                                       |
| Health services.....  | 11                  | 13   | 7        |          | 14       | 11           | 4                 | 4                   | 4                     | 2                                 | 13                                | 12                         | 10                | 11                |                                       |
| Social security and other retirement.....                           | 182                 | 176  | 196      |          | 178      | 178          | 185               | 203                 | 219                   | 219                               | 229                               | 210                        | 191               | 160               |                                       |
| Welfare.....  | 40                  | 40   | 41       |          | 41       | 28           | 36                | 51                  | 54                    | 54                                | 100                               | 45                         | 35                | 32                |                                       |
| Employment opportunities and manpower training and development..... | 7                   | 8    | 5        |          | 8        | 6            | 6                 | 4                   | 4                     | 8                                 | 12                                | 10                         | 6                 | 6                 |                                       |
| Total.....  | 268                 | 265  | 276      |          | 270      | 248          | 250               | 290                 | 318                   | 403                               | 312                               | 265                        | 237               |                   |                                       |

APPENDIX TABLES

|                          |     |     |    |     |     |     |    |    |     |     |     |     |     |
|--------------------------|-----|-----|----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|
| Community development:   |     |     |    |     |     |     |    |    |     |     |     |     |     |
| Urban renewal.....       | 10  | 11  | 7  | 12  | 10  | 8   | 6  | 5  | 4   | 10  | 15  | 10  | 8   |
| Development grants....   | 5   | 6   | 3  | 5   | 7   | 3   | 3  | 2  | 3   | 15  | 4   | 5   | 5   |
| Development loans.....   | 8   | 15  | 15 | 4   | 8   | 13  | 11 | 21 | 32  | 19  | 9   | 9   | 6   |
| Housing loans.....       | 72  | 86  | 38 | 91  | 58  | 61  | 31 | 34 | 30  | 35  | 65  | 51  | 95  |
| Transportation.....      | 28  | 26  | 33 | 25  | 24  | 39  | 25 | 35 | 66  | 46  | 29  | 24  | 28  |
| Total <sup>1</sup> ..... | 124 | 136 | 98 | 138 | 109 | 125 | 77 | 97 | 137 | 116 | 124 | 100 | 143 |

|                                    |    |    |     |    |    |     |    |     |     |     |    |    |    |
|------------------------------------|----|----|-----|----|----|-----|----|-----|-----|-----|----|----|----|
| Agriculture and natural resources: |    |    |     |    |    |     |    |     |     |     |    |    |    |
| Direct payments and conservation:  |    |    |     |    |    |     |    |     |     |     |    |    |    |
| Loans.....                         | 23 | 8  | 58  | 6  | 11 | 58  | 30 | 77  | 137 | 106 | 27 | 20 | 11 |
| Natural resources.....             | 16 | 3  | 45  | 1  | 5  | 44  | 19 | 63  | 116 | 84  | 23 | 13 | 5  |
| Total <sup>2</sup> .....           | 6  | 3  | 15  | 2  | 2  | 22  | 3  | 20  | 29  | 10  | 7  | 5  | 7  |
| Total <sup>2</sup> .....           | 45 | 14 | 118 | 10 | 18 | 125 | 52 | 160 | 281 | 200 | 57 | 38 | 22 |

|                          |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Defense, NASA and AEC:   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Defense payrolls:        |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Defense contracts.....   | 111 | 123 | 81  | 119 | 126 | 183 | 17  | 23  | 21  | 44  | 111 | 50  | 180 |
| NASA.....                | 167 | 207 | 74  | 236 | 121 | 107 | 39  | 38  | 24  | 147 | 130 | 119 | 215 |
| AEC.....                 | 18  | 22  | 7   | 29  | 10  | 2   | 2   | 0   | 0   | 16  | 5   | 10  | 27  |
| Total <sup>3</sup> ..... | 13  | 14  | 15  | 13  | 10  | 16  | 11  | 3   | 26  | 4   | 12  | 13  | 14  |
| Total <sup>2</sup> ..... | 307 | 364 | 177 | 397 | 267 | 308 | 69  | 65  | 72  | 211 | 257 | 202 | 417 |
| Total <sup>2</sup> ..... | 745 | 779 | 688 | 815 | 641 | 835 | 449 | 612 | 808 | 931 | 751 | 605 | 819 |

<sup>1</sup> Totals do not equal sum of individual program types because of exclusion of minor program types.      <sup>2</sup> Because of rounding, individual program types may not sum to total.

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## APPENDIX TABLES

APPENDIX TABLE 7.—A COMPARISON OF PER CAPITA FEDERAL OUTLAYS, BY SPECIFIC PROGRAM TYPE, ACCRUING TO RAPIDLY DECLINING AND FAST-GROWING METROPOLITAN, NONMETROPOLITAN, HIGHLY URBAN, AND DENSELY SETTLED RURAL COUNTIES, FISCAL YEAR 1970

| Specific program type   | Rapidly declining counties |            | Fast-growing counties |            | Rapidly declining counties |                       | Fast-growing counties |                       |
|---|----------------------------|------------|-----------------------|------------|----------------------------|-----------------------|-----------------------|-----------------------|
|   | SMSA                       | Non-SMSA   | SMSA                  | Non-SMSA   | Highly urban               | Densely settled rural | Highly urban          | Densely settled rural |
| <b>Human resources:</b>   |                            |            |                       |            |                            |                       |                       |                       |
| Elementary and secondary education.....                           | 24                         | 21         | 11                    | 12         | 24                         | 30                    | 11                    | 9                     |
| Health services.....  | 31                         | 7          | 12                    | 9          | 35                         | 6                     | 13                    | 4                     |
| Social security and other retirement.....                         | 250                        | 221        | 156                   | 179        | 260                        | 216                   | 157                   | 163                   |
| Welfare.....  | 214                        | 55         | 33                    | 30         | 248                        | 61                    | 33                    | 27                    |
| Employment opportunity and manpower development and training..... | 24                         | 8          | 7                     | 5          | 24                         | 18                    | 7                     | 4                     |
| <b>Total <sup>1</sup>.....</b>                                    | <b>610</b>                 | <b>320</b> | <b>233</b>            | <b>252</b> | <b>668</b>                 | <b>338</b>            | <b>234</b>            | <b>215</b>            |
| <b>Community development:</b>                                     |                            |            |                       |            |                            |                       |                       |                       |
| Urban renewal.....  | 19                         | 6          | 8                     | 8          | 21                         | 9                     | 8                     | 5                     |
| Development grants.....   | 8                          | 3          | 5                     | 5          | 8                          | 2                     | 5                     | 3                     |
| Development loans.....  | 11                         | 22         | 4                     | 14         | 11                         | 12                    | 3                     | 11                    |
| Housing loans.....  | 45                         | 31         | 106                   | 50         | 46                         | 24                    | 112                   | 40                    |
| Transportation.....   | 32                         | 52         | 28                    | 28         | 27                         | 36                    | 27                    | 29                    |
| <b>Total <sup>1</sup>.....</b>                                    | <b>117</b>                 | <b>116</b> | <b>153</b>            | <b>104</b> | <b>115</b>                 | <b>86</b>             | <b>157</b>            | <b>89</b>             |
| <b>Agriculture and natural resources:</b>                         |                            |            |                       |            |                            |                       |                       |                       |
| Direct payments and conservation.....                             | 13                         | 143        | 8                     | 23         | 9                          | 38                    | 6                     | 24                    |
| Loans.....  | 2                          | 117        | 2                     | 14         | 9                          | 37                    | 1                     | 12                    |
| Natural resources.....  | 1                          | 14         | 3                     | 20         | 1                          | 1                     | 2                     | 5                     |
| <b>Total <sup>2</sup>.....</b>                                    | <b>16</b>                  | <b>274</b> | <b>13</b>             | <b>58</b>  | <b>11</b>                  | <b>75</b>             | <b>9</b>              | <b>41</b>             |
| <b>Defense, NASA, and AEC:</b>                                    |                            |            |                       |            |                            |                       |                       |                       |
| Defense payrolls.....   | 96                         | 23         | 158                   | 165        | 101                        | 9                     | 152                   | 18                    |
| Defense contracts.....  | 455                        | 25         | 235                   | 133        | 527                        | 16                    | 269                   | 42                    |
| NASA.....   | 52                         | 1          | 29                    | 21         | 62                         | 10                    | 38                    | 2                     |
| AEC.....  | 8                          | 3          | 13                    | 19         | 10                         | 0                     | 20                    | 0                     |
| <b>Total <sup>2</sup>.....</b>                                    | <b>611</b>                 | <b>52</b>  | <b>43</b>             | <b>338</b> | <b>700</b>                 | <b>35</b>             | <b>478</b>            | <b>63</b>             |
| <b>Total <sup>2</sup>.....</b>                                    | <b>1,354</b>               | <b>762</b> | <b>835</b>            | <b>752</b> | <b>1,494</b>               | <b>535</b>            | <b>879</b>            | <b>408</b>            |

<sup>1</sup> Specific program types do not sum to total because of exclusion of minor program types.<sup>2</sup> Because of rounding, specific program types may not equal total.



APPENDIX TABLE 1 FEDERAL OUTLAYS BY PROGRAMS AND APPROPRIATIONS ACCRUING TO COUNTIES BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970

| General program type, specific programs and agency | Federal outlays accruing to counties in analysis (in percent of total) |                   |      |          |              |                   |                     |                       |  |   |  |
|--|--|-------------------|------|----------|--------------|-------------------|---------------------|-----------------------|--|---|--|
|  | Metropolitan status  |                   |      |          |              | Urban orientation |                     |                       |  |   |  |
|  | Total Federal outlays (thousands)                                      | Total (thousands) | SMSA | Non-SMSA | Highly urban | Urban             | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural with no urban population |  |
| Direct payments and conservation:                  |  |                   |      |          |              |                   |                     |                       |  |   |  |
| Feed grain payments (USDA)                         | \$1,268,094  | \$1,247,750       | 13   | 87       | 4            | 11                | 20                  | 10                    | 36   | 19  |  |
| Cotton direct payments (USDA)                      | 819,576  | 809,933           | 20   | 80       | 5            | 6                 | 39                  | 9                     | 31   | 10  |  |
| Cropland adjustment program (USDA)                 | 75,049   | 73,114            | 15   | 85       | 4            | 14                | 19                  | 13                    | 29   | 21  |  |
| Cropland conversion program (USDA)                 | 2,314  | 2,254             | 10   | 90       | 2            | 10                | 25                  | 15                    | 24   | 23  |  |
| Conservation reserve program (USDA)                | 38,641   | 38,011            | 9    | 91       | 2            | 8                 | 19                  | 9                     | 28   | 34  |  |
| Wheat direct payments (USDA)                       | 833,470  | 821,826           | 9    | 91       | 3            | 6                 | 30                  | 5                     | 21   | 35  |  |
| Wool Act program (USDA)                            | 49,507   | 48,811            | 13   | 87       | 4            | 5                 | 38                  | 4                     | 19   | 30  |  |
| Sugar Act program (USDA)                           | 92,987   | 74,198            | 25   | 75       | 10           | 10                | 37                  | 6                     | 27   | 10  |  |
| Indemnity payments to dairy farmers (USDA)         | 126  | 126               | 23   | 77       | 21           | 26                | 5                   | 16                    | 18   | 13  |  |
| Commodity Credit Corp. inventory operations (USDA) | 685,805  | 679,383           | 58   | 42       | 51           | 5                 | 18                  | 5                     | 13   | 8   |  |
| Agricultural conservation program (USDA)           | 180,206  | 174,661           | 18   | 82       | 6            | 13                | 21                  | 11                    | 29   | 21  |  |
| Emergency conservation measures (USDA)             | 8,388  | 8,319             | 39   | 61       | 11           | 11                | 36                  | 3                     | 24   | 15  |  |
| Appalachia region conservation program (USDA)      | 2,500  | 2,408             | 4    | 96       | -----        | 16                | 4                   | 34                    | 20   | 27  |  |
| Great Plains conservation program (USDA)           | 15,175   | 15,086            | 9    | 91       | 5            | -----             | 37                  | -----                 | 15   | 43  |  |
| Conservation technical assistance (USDA)           | 112,591  | 108,205           | 30   | 70       | 17           | 15                | 24                  | 8                     | 22   | 14  |  |
| Soil survey program (USDA)                         | 21,340   | 17,782            | 44   | 56       | 28           | 19                | 25                  | 6                     | 15   | 7   |  |
| Plant and animal disease and pest control (USDA)   | 80,577   | 73,628            | 76   | 24       | 51           | 33                | 8                   | 4                     | 3  | 1   |  |
| Expenses ag. stabilization and conservation (USDA) | 222,191  | 217,541           | 45   | 55       | 31           | 14                | 16                  | 7                     | 18   | 14  |  |
| Coop. ext. work, extension service 1 (USDA)        | 132,778  | 125,889           | 48   | 52       | 32           | 21                | 15                  | 8                     | 15   | 9   |  |
| S. and E. Farmers Home Administration (USDA)       | 77,255   | 74,465            | 33   | 67       | 22           | 15                | 18                  | 8                     | 24   | 14  |  |

See footnotes at end of table.

APPENDIX TABLES

APPENDIX TABLE 8.—FEDERAL OUTLAYS BY PROGRAMS AND APPROPRIATIONS ACCRUING TO COUNTIES BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970—Continued

| General program type, specific programs and agency         | Federal outlays accruing to counties in analysis (in percent of total) |                   |      |          |              |                   |                     |                       |  |   |
|--|--|-------------------|------|----------|--------------|-------------------|---------------------|-----------------------|--|---|
|  | Metropolitan status  |                   |      |          |              | Urban orientation |                     |                       |  |   |
|  | Total Federal outlays (thousands)                                      | Total (thousands) | SMSA | Non-SMSA | Highly urban | Urban             | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural with no urban population |
| <b>AGRICULTURE AND NATURAL RESOURCES—Continued</b>         |  |                   |      |          |              |                   |                     |                       |  |   |
| Loans:   |  |                   |      |          |              |                   |                     |                       |  |   |
| Farm ownership loans <sup>2</sup> (USDA)                   | 261,269  | 254,574           | 8    | 92       | 1            | 9                 | 19                  | 10                    | 34   | 24  |
| Soil and water loans to individuals <sup>2</sup> (USDA)    | 4,676  | 4,492             | 7    | 93       | 1            | 5                 | 25                  | 4                     | 36   | 29  |
| Farm operating loans <sup>2</sup> (USDA)                   | 274,767  | 268,750           | 10   | 90       | 2            | 10                | 22                  | 9                     | 34   | 23  |
| Econ. opportunity farm operating loans <sup>3</sup> (USDA) | 1,520  | 1,401             | 5    | 95       | 1            | 6                 | 13                  | 9                     | 29   | 42  |
| Irrigation loans <sup>2</sup> (USDA)                       | 7,669  | 7,669             | 7    | 93       | 7            | 1                 | 23                  | 6                     | 21   | 48  |
| Emergency loans <sup>2</sup> (USDA)                        | 89,116   | 87,590            | 11   | 89       | 2            | 8                 | 27                  | 6                     | 39   | 17  |
| Watershed protection loans <sup>2</sup> (USDA)             | 3,244  | 3,230             | 4    | 96       | 4            | 4                 | 19                  | 10                    | 31   | 38  |
| Commodity loans—Gross (USDA)                               | 2,323,460  | 2,300,389         | 12   | 88       | 3            | 6                 | 31                  | 7                     | 36   | 22  |
| Storage facility loans <sup>2</sup> (USDA)                 | 50,262   | 49,658            | 7    | 93       | 1            | 5                 | 20                  | 6                     | 36   | 32  |
| Reseal loan storage payments (USDA)                        | 72,252   | 72,147            | 5    | 95       | 2            | 2                 | 22                  | 1                     | 40   | 33  |
| Loan financing expenses (USDA)                             | 46,776   | 46,652            | 86   | 14       | 80           | 5                 | 5                   | 1                     | 6  | 3   |
| Recreational facility loans <sup>2</sup> (USDA)            | 5,490  | 5,416             | 10   | 90       | 4            | 9                 | 18                  | 10                    | 27   | 33  |
| Resource conservation and development loans (USDA)         | 1,500  | 1,500             | 4    | 96       | 1            | 18                | 1                   | 1                     | 37   | 45  |
| Natural resources:   |  |                   |      |          |              |                   |                     |                       |  |   |
| Parks and forests <sup>4</sup> (Interior)                  | 118,020  | 112,546           | 53   | 47       | 46           | 8                 | 20                  | 3                     | 13   | 11  |
| Water resources (Interior)                                 | 380,449  | 385,601           | 26   | 74       | 11           | 2                 | 63                  | 1                     | 17   | 6   |
| Conservation plant material centers <sup>5</sup> (USDA)    | 1,116  | 979               | 22   | 78       | 11           | 12                | 36                  | 3                     | 23   | 15  |
| Forest roads and trails program (USDA)                     | 140,358  | 138,008           | 24   | 76       | 14           | 4                 | 32                  | 3                     | 32   | 15  |
| Timber development org. tech. asst. (USDA)                 | 71   | 71                | 78   | 22       | 72           | 6                 | 6                   | 11                    | 11   | 11  |
| Resource conservation and development (USDA)               | 9,681  | 9,501             | 20   | 80       | 9            | 15                | 22                  | 8                     | 29   | 17  |
| Flood prevention program <sup>2</sup> (USDA)               | 21,216   | 20,541            | 22   | 78       | 13           | 9                 | 28                  | 5                     | 29   | 16  |
| River basin surveys and investigation (USDA)               | 6,526  | 6,401             | 80   | 20       | 60           | 27                | 11                  | 1                     | 1  | 1   |
| Snow survey program <sup>2</sup> (USDA)                    | 7,856  | 805               | 60   | 40       | 47           | 7                 | 34                  | 5                     | 5  | 5   |
| Watershed planning (USDA)                                  | 7,334  | 6,582             | 63   | 37       | 49           | 26                | 19                  | 1                     | 4  | 4   |
| Watershed works of improvement (USDA)                      | 64,675   | 61,411            | 35   | 65       | 22           | 18                | 19                  | 8                     | 22   | 11  |

APPENDIX TABLE 8

|  |           |    |     |    |    |    |    |    |    |
|--|-----------|----|-----|----|----|----|----|----|----|
| Shared revenues from national forests (USDA).....                  | 78,004    | 17 | 83  | 1  | 3  | 29 | 2  | 46 | 20 |
| Shared revenues from national grassland (USDA).....                | 506       | 2  | 98  |    |    | 12 |    | 14 | 74 |
| Outdoor recreation assistance (Interior).....                      | 54,604    | 50 | 50  | 35 | 21 | 14 | 11 | 10 | 8  |
| Forest protection and utilization (USDA).....                      | 276,238   | 29 | 71  | 18 | 7  | 22 | 3  | 32 | 18 |
| Restoration of forest and imp (USDA).....                          | 126,092   |    |     |    |    |    |    |    |    |
| Land and water conservation fund (Interior).....                   | 48,573    | 23 | 77  | 10 | 12 | 8  |    | 8  | 61 |
| Conservation and development of min. res. (Interior).....          | 38,455    | 72 | 28  | 64 | 13 | 16 |    | 7  |    |
| <b>COMMUNITY DEVELOPMENT</b>                                       |           |    |     |    |    |    |    |    |    |
| Urban renewal:   |           |    |     |    |    |    |    |    |    |
| Urban renewal programs (HUD).....                                  | 1,151,023 | 79 | 21  | 63 | 24 | 7  | 4  | 2  |    |
| Urban beautification and improvement (HUD).....                    | 4,111     | 97 | 3   | 94 | 1  | 5  |    |    |    |
| Open space development land-urban parks (HUD).....                 | 4,869     | 94 | 6   | 94 | 6  |    |    |    |    |
| Neighborhood facilities (HUD).....                                 | 18,547    | 74 | 26  | 57 | 11 | 9  | 2  | 12 | 8  |
| Model cities (HUD).....  | 277,445   | 91 | 9   | 76 | 13 | 8  | 1  | 2  |    |
| Community Action program (OEO).....                                | 537,263   | 73 | 27  | 60 | 14 | 9  | 4  | 8  | 4  |
| Health service construction:                                       |           |    |     |    |    |    |    |    |    |
| Construction of community mental health centers (HEW).....         | 2,151     | 73 | 27  | 6  | 52 | 36 | 6  |    |    |
| Community mental health construction grants (HEW).....             | 9,952     | 82 | 18  | 61 | 33 | 6  |    |    |    |
| Grants for hospital construction (HEW).....                        | 233,641   | 53 | 47  | 41 | 23 | 11 | 8  | 12 | 5  |
| Construction of hospital and domiciliary facility (VA).....        | 71,154    | 96 | 4   | 76 | 22 |    | 2  |    |    |
| Grants for construction.—State ext. care facility (VA).....        | 3,452     | 26 | 74  | 27 | 21 | 21 | 22 | 8  |    |
| Development grants:  |           |    |     |    |    |    |    |    |    |
| Water and sewer development grants (USDA).....                     | 5,197     | 11 | 89  | 1  |    | 31 | 18 | 25 | 26 |
| Water system development grants (USDA).....                        | 21,028    | 13 | 87  | 2  | 15 | 14 | 15 | 30 | 23 |
| Sewer system development grants (USDA).....                        | 16,757    | 13 | 87  | 3  | 23 | 14 | 13 | 33 | 15 |
| Comprehensive planning grants (USDA).....                          | 3,019     | 41 | 59  | 11 | 28 | 24 | 7  | 21 | 9  |
| Appalachian supp.—Water and sewer grants (USDA).....               | 1,226     |    | 100 |    | 16 |    | 46 | 15 | 23 |
| Farm labor housing grants (USDA).....                              | 2,134     | 58 | 42  | 15 | 4  | 81 |    |    |    |
| Economic development—I.A. research and information (Commerce)..... | 12,316    | 86 | 14  | 72 | 14 | 7  | 2  | 2  | 2  |
| Economic development—Dist.—Dev. facilities (Commerce).....         | 37,231    | 30 | 70  | 4  | 32 | 21 | 22 | 16 | 5  |
| Economic development dist.—Com. and ind. (Commerce).....           | 13,410    | 21 | 79  |    | 17 | 4  | 50 | 29 |    |

See footnotes at end of table.

APPENDIX TABLE 8.—FEDERAL OUTLAYS BY PROGRAMS AND APPROPRIATIONS ACCRUING TO COUNTIES BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970—Continued

| General program type, specific programs and agency               | Federal outlays accruing to counties in analysis (in percent of total) |                     |      |          |              |       |                     |                       |  |   |  |
|--|--|---------------------|------|----------|--------------|-------|---------------------|-----------------------|--|---|--|
|  | Total Federal outlays (thousands)                                      | Metropolitan status |      |          |              |       | Urban orientation   |                       |  |   |  |
|  |  | Total (thousands)   | SMSA | Non-SMSA | Highly urban | Urban | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural with no urban population |  |
| <b>COMMUNITY DEVELOPMENT—Continued</b>                           |  |                     |      |          |              |       |                     |                       |  |   |  |
| Economic development dist.—Admin. asst. (Commerce)               | 5,520  | 28                  | 72   | 12       | 21           | 30    | 7                   |                       |  |   |  |
| Regional action planning commissions (Commerce)                  | 6,269  | 31                  | 69   | 8        | 25           | 25    | 11                  | 22                    | 9  |   |  |
| Operation and administration, EDA (Commerce)                     | \$21,350   |                     |      |          |              |       |                     |                       |  |   |  |
| Regional action planning commissions (Commerce)                  | \$7,213  |                     |      |          |              |       |                     |                       |  |   |  |
| Construction grants for waste treatment <sup>7</sup> (Interior)  | 424,950  | 90                  | 10   | 59       | 35           | 4     | 1                   |                       | 2  |   |  |
| Grants for law enforcement assistance (Justice)                  | 266,783  | 89                  | 11   | 65       | 30           | 5     |                     |                       |  |   |  |
| Appalachian regional development program (Commerce)              | 3,791  | 88                  | 12   | 81       | 9            | 3     | 3                   | 2                     |  |   |  |
| Appalachian regional development program (USDA)                  | 71   |                     | 100  |          |              |       |                     | 100                   |  |   |  |
| Appalachian regional development program (HEW)                   | 4,692  | 37                  | 63   | 24       | 48           |       | 13                  | 15                    |  |   |  |
| Concentrated community development <sup>4</sup> (OEO)            | 31,600   | 96                  | 4    | 93       | 3            | 1     | 1                   | 1                     |  |   |  |
| Appalachian regional development program (Transportation)        | 1,006  | 17                  | 83   |          | 24           | 36    | 27                  | 11                    | 2  |   |  |
| Community Services Administration (HEW)                          | 1,200  | 100                 |      | 100      |              |       |                     |                       |  |   |  |
| Water supply and water pollution control <sup>8</sup> (Interior) | 92,854   | 81                  | 19   | 69       | 16           | 11    | 2                   | 1                     | 1  |   |  |
| <b>Development loans:</b>  |  |                     |      |          |              |       |                     |                       |  |   |  |
| Water and sewer system loans <sup>2</sup> (USDA)                 | 12,292   | 10                  | 90   | 1        |              | 34    | 10                  | 32                    | 22   |   |  |
| Water system loans <sup>2</sup> (USDA)                           | 106,432  | 15                  | 85   | 2        | 21           | 19    | 12                  | 32                    | 14   |   |  |
| Sewer system loans <sup>2</sup> (USDA)                           | 27,306   | 18                  | 82   | 4        | 21           | 13    | 12                  | 32                    | 17   |   |  |
| Rural elect. loans <sup>3</sup> (USDA)                           | 343,538  | 12                  | 88   | 3        | 11           | 16    | 13                  | 33                    | 24   |   |  |
| Rural telephone loans <sup>3</sup> (USDA)                        | 125,000  | 18                  | 82   | 2        | 15           | 17    | 12                  | 28                    | 26   |   |  |
| Public facility loans <sup>4</sup> (HUD)                         | 40,080   | 26                  | 74   | 8        | 24           | 24    | 13                  | 24                    | 6  |   |  |



APPENDIX TABLES

|  |           |           |       |       |       |       |       |       |       |       |
|--|-----------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Basic water and sewer facilities (HUD).....  | 144,324   | 135,513   | 72    | 28    | 40    | 33    | 16    | 5     | 6     | 1     |
| Grants and loans for development facilities (Commerce).....  | 109,458   | 97,372    | 15    | 85    | 4     | 10    | 14    | 11    | 37    | 24    |
| Economic opportunity loans to small business <sup>2</sup> (SBA).....                                   | 70,312    | 65,462    | 79    | 21    | 70    | 11    | 9     | 2     | 5     | 3     |
| Loans to State and local development companies <sup>2</sup> (SBA).....                                 | 61,868    | 60,534    | 33    | 67    | 21    | 15    | 21    | 8     | 21    | 15    |
| Small business financial asst. program <sup>2</sup> (SBA).....   | 461,504   | 437,975   | 59    | 41    | 44    | 17    | 16    | 5     | 13    | 5     |
| Small business inv. company program <sup>2</sup> (SBA).....  | 60,766    | 59,912    | 98    | 2     | 90    | 5     | 2     | 2     | 1     | 3     |
| Disaster loans <sup>2</sup> (SBA).....   | 175,065   | 140,081   | 66    | 34    | 14    | 58    | 16    | 5     | 4     | 3     |
| Housing loans:   |           |           |       |       |       |       |       |       |       |       |
| Very low income housing loans <sup>2</sup> (USDA).....   | 5,245     | 4,799     | 8     | 92    | 1     | 6     | 19    | 13    | 35    | 26    |
| Above moderate income housing loans <sup>2</sup> (USDA).....   | 21,573    | 20,323    | 15    | 85    | 5     | 18    | 14    | 13    | 31    | 19    |
| Low to moderate income housing loans <sup>2</sup> (USDA).....  | 734,702   | 695,065   | 16    | 84    | 3     | 18    | 14    | 16    | 32    | 17    |
| Rural rental housing loans <sup>2</sup> (USDA).....  | 28,441    | 27,550    | 22    | 78    | 3     | 22    | 13    | 9     | 38    | 15    |
| Farm labor housing loans <sup>2</sup> (USDA).....  | 1,549     | 1,549     | 52    | 48    | 21    | 5     | 59    | 1     | 9     | 6     |
| Mortgage insurance for coop. housing <sup>10</sup> (HUD).....  | 8,588     | 8,588     | 100   | ----- | 100   | ----- | ----- | ----- | ----- | ----- |
| Mortgage insurance for urban renewal housing <sup>10</sup> (HUD).....                                  | 20,361    | 18,969    | 100   | ----- | 87    | 13    | ----- | ----- | ----- | ----- |
| Mortgage insurance for low-moderate income housing market interest rate <sup>10</sup> (HUD).....       | 380,848   | 376,937   | 69    | 31    | 51    | 20    | 16    | 3     | 7     | 2     |
| Mortgage insurance for low-moderate income housing below market interest rate <sup>10</sup> (HUD)..... | 447,416   | 427,518   | 93    | 7     | 79    | 16    | 5     | 1     | ----- | ----- |
| Mortgage insurance for senior citizens' housing <sup>10</sup> (HUD).....                               | 1,440     | 1,440     | ----- | 100   | ----- | ----- | 100   | ----- | ----- | ----- |
| Mortgage insurance for nursing homes <sup>10</sup> (HUD).....  | 88,455    | 86,854    | 70    | 30    | 62    | 15    | 8     | 4     | 9     | 2     |
| Insurance for property improvement loans <sup>10</sup> (HUD).....                                      | 669,478   | 652,043   | 78    | 22    | 64    | 18    | 9     | 3     | 5     | 2     |
| Home mortgage insurance <sup>10</sup> (HUD).....   | 7,384,786 | 6,998,654 | 89    | 11    | 73    | 15    | 8     | 2     | 2     | ----- |
| Mortgage insurance for remainder of multifamily programs <sup>10</sup> (HUD).....                      | 985,344   | 916,815   | 87    | 13    | 69    | 21    | 8     | 1     | 1     | 2     |
| College housing <sup>2</sup> (HUD).....  | 66,016    | 65,462    | 68    | 32    | 40    | 36    | 8     | 9     | 5     | ----- |
| Housing for the elderly or handicapped <sup>3</sup> (HUD).....   | 5,184     | 5,184     | 79    | 21    | 79    | 19    | ----- | ----- | ----- | 2     |
| Veterans guaranteed and insured loans <sup>10</sup> (VA).....  | 3,923,418 | 3,741,515 | 90    | 10    | 74    | 16    | 7     | 2     | 1     | ----- |
| Veterans direct loans <sup>2</sup> (VA).....   | 152,481   | 145,366   | 35    | 65    | 27    | 11    | 22    | 13    | 21    | 6     |

See footnotes at end of table.

APPENDIX TABLE 8.—FEDERAL OUTLAYS BY PROGRAMS AND APPROPRIATIONS ACCRUING TO COUNTIES BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY,  
FISCAL YEAR 1970—Continued

| General program type, specific pro-<br>grams and agency       | Federal outlays accruing to counties in analysis (in percent of total) |                      |      |          |                 |                   |                        |                             |  |   |
|---|--|----------------------|------|----------|-----------------|-------------------|------------------------|-----------------------------|--|---|
|   | Metropolitan status  |                      |      |          |                 | Urban orientation |                        |                             |  |   |
|   | Total<br>Federal<br>outlays<br>(thousands)                             | Total<br>(thousands) | SMSA | Non-SMSA | Highly<br>urban | Urban             | Semi-isolated<br>urban | Densely<br>settled<br>rural | Sparsely<br>settled<br>rural with<br>urban<br>population | Sparsely<br>settled<br>rural with<br>no urban<br>population |
| <b>COMMUNITY DEVELOPMENT—Continued</b>                        |  |                      |      |          |                 |                   |                        |                             |  |   |
| Transportation:   |  |                      |      |          |                 |                   |                        |                             |  |   |
| Highway planning and construction<br>(Transportation)         | 4,637,407  | 4,349,333            | 61   | 39       | 43              | 17                | 16                     | 5                           | 11   | 8   |
| Develop highway system—Appalachian<br>region (Transportation) | 166,382  | 165,591              | 5    | 95       | 42              | 29                | 2                      | 42                          | 16   | 11  |
| Highway studies (Transportation)                              | 206,266  | 188,776              | 60   | 40       | 42              | 22                | 10                     | 6                           | 11   | 9   |
| National highway safety (Transportation)                      | 82,005   | 80,389               | 89   | 11       | 65              | 32                | 3                      | 6                           | 11   | 9   |
| Highway beautification (Transportation)                       | 160  | 160                  | 82   | 16       | 17              | 16                | 4                      | 17                          | 50   | 30  |
| Operations, FAA (Transportation)                              | 752,054  | 673,371              | 92   | 8        | 76              | 13                | 7                      | 2                           | 2  | 2   |
| Urban mass transportation fund (Trans-<br>portation)          | 161,487  | 160,156              | 100  | .....    | 97              | 2                 | 1                      | .....                       | .....  | .....   |
| <b>HUMAN RESOURCE DEVELOPMENT</b>                             |  |                      |      |          |                 |                   |                        |                             |  |   |
| Elementary and secondary education:                           |  |                      |      |          |                 |                   |                        |                             |  |   |
| Deprived children (HEW)                                       | 1,326,816  | 1,277,104            | 59   | 41       | 45              | 17                | 10                     | 8                           | 13   | 7   |
| Supplemental education centers (HEW)                          | 116,393  | 111,931              | 89   | 11       | 64              | 32                | 4                      | .....                       | .....  | .....   |
| Dropout prevention (HEW)                                      | 5,641  | 5,641                | 81   | 19       | 76              | 15                | 5                      | .....                       | 4  | .....   |
| Bilingual education (HEW)                                     | 22,608   | 22,300               | 81   | 19       | 58              | 11                | 20                     | 1                           | 7  | 3   |
| Library resources (HEW)                                       | 42,500   | 41,300               | 93   | 7        | 68              | 30                | 2                      | .....                       | .....  | .....   |
| Guidance, counseling, and testing (HEW)                       | 14,416   | 14,101               | 93   | 7        | 67              | 30                | 2                      | .....                       | .....  | .....   |
| Strengthen State education department<br>(HEW)                | 29,748   | 28,659               | 87   | 13       | 62              | 31                | 6                      | 1                           | .....  | .....   |
| Planning and evaluation (HEW)                                 | 8,892  | 8,487                | 82   | 12       | 72              | 21                | 7                      | .....                       | .....  | .....   |
| Maintenance and operation of schools,<br>SAFA I (HEW)         | 507,646  | 444,798              | 71   | 29       | 52              | 20                | 18                     | 3                           | 5  | 3   |
| Construction of schools, SAFA II (HEW)                        | 10,215   | 9,882                | 89   | 11       | 89              | 3                 | 6                      | .....                       | 2  | .....   |
| School construction, federally affected<br>areas (HEW)        | 402  | 349                  | 94   | 6        | 46              | 14                | 36                     | 1                           | 1  | 3   |
| Teachers corp., operation and training<br>(HEW)               | 21,605   | 21,176               | 77   | 23       | 67              | 13                | 11                     | 2                           | 5  | 3   |
| Headstart and headstart follow through<br>(HEW)               | 406,594  | 390,310              | 64   | 36       | 46              | 21                | 11                     | 7                           | 11   | 4   |

|  |         |         |     |    |    |    |    |   |    |   |
|--|---------|---------|-----|----|----|----|----|---|----|---|
| Appalachian region construction and eq. grants (HEW)           | 37,401  | 37,041  | 83  | 17 | 41 | 53 | 1  | 4 | 1  | 1 |
| Adult basic education (HEW)                                    | 49,782  | 48,330  | 90  | 10 | 64 | 31 | 4  | 1 | 1  | 1 |
| Education of the handicapped:                                  |         |         |     |    |    |    |    |   |    |   |
| Preschool and school program (HEW)                             | 29,158  | 28,322  | 91  | 9  | 65 | 32 | 3  |   |    | 3 |
| Early childhood program (HEW)                                  | 3,000   | 2,880   | 76  | 24 | 67 | 13 | 3  | 3 | 10 | 3 |
| Teacher education and recruit (HEW)                            | 30,408  | 29,388  | 80  | 20 | 59 | 24 | 12 | 2 | 3  |   |
| Research and innovation (HEW)                                  | 16,929  | 16,710  | 91  | 9  | 77 | 13 | 10 |   |    |   |
| Median services and capt. films (HEW)                          | 4,757   | 4,723   | 89  | 11 | 82 | 4  | 12 | 1 | 1  | 1 |
| Higher education payments and grants:                          |         |         |     |    |    |    |    |   |    |   |
| College library resources (HEW)                                | 9,981   | 9,652   | 65  | 35 | 45 | 24 | 18 | 5 | 6  | 1 |
| University community service (HEW)                             | 9,473   | 9,010   | 78  | 22 | 56 | 30 | 13 |   |    |   |
| Higher ed. strengthen dev. inst (HEW)                          | 30,000  | 27,925  | 58  | 42 | 36 | 27 | 13 | 5 | 15 | 3 |
| Higher ed. college of ag. and mech. (HEW)                      | 19,616  | 19,090  | 90  | 10 | 70 | 21 | 8  | 1 |    | 1 |
| Higher ed. construction—facilities (HEW)                       | 83,123  | 81,616  | 72  | 28 | 50 | 25 | 14 | 5 | 4  | 1 |
| Higher ed. opportunity grants (HEW)                            | 167,777 | 163,676 | 67  | 33 | 47 | 25 | 16 | 5 | 7  | 1 |
| Higher ed. work-study program and coop-ed. (HEW)               | 149,102 | 145,655 | 64  | 36 | 44 | 23 | 18 | 5 | 8  | 1 |
| Higher ed. special programs for disadv. (HEW)                  | 43,090  | 41,545  | 72  | 28 | 54 | 19 | 16 | 4 | 6  | 1 |
| Higher ed. personnel dev (HEW)                                 | 58,749  | 57,256  | 78  | 32 | 58 | 24 | 14 | 1 | 1  |   |
| Higher ed. planning and evaluation (HEW)                       | 10,002  | 9,996   | 99  | 1  | 98 | 1  |    |   |    |   |
| Higher education loans:  |         |         |     |    |    |    |    |   |    |   |
| Higher education direct loan <sup>3</sup> (HEW)                | 194,315 | 190,525 | 99  | 1  | 98 | 0  |    |   |    |   |
| Student loan ins. fund HE and voc. <sup>3</sup> (HEW)          | 5,144   | 5,135   | 95  | 5  | 87 | 6  | 5  |   | 1  |   |
| Higher education insured loans (HEW)                           | 104,775 | 104,620 | 99  | 1  | 98 | 1  | 1  |   |    |   |
| Research grants, fellowships:                                  |         |         |     |    |    |    |    |   |    |   |
| Mental health research grants (HEW)                            | 83,193  | 80,922  | 85  | 15 | 72 | 18 | 6  | 1 | 2  |   |
| Mental health training grants and fellow-ship (HEW)            | 116,774 | 114,773 | 92  | 8  | 76 | 18 | 4  | 1 | 1  |   |
| Health manpower institute support for educ (HEW)               | 131,005 | 128,508 | 88  | 12 | 76 | 17 | 6  | 1 | 1  |   |
| Health manpower student asst. for educ (HEW)                   | 31,577  | 30,358  | 93  | 7  | 79 | 16 | 4  |   |    |   |
| Dental health res. grants (HEW)                                | 1,254   | 1,254   | 97  | 3  | 89 | 11 |    |   |    |   |
| Dental health training grants (HEW)                            | 150     | 33      | 100 |    | 91 | 9  |    |   |    |   |
| Dental health fellowship grants (HEW)                          | 4,257   | 4,220   | 91  | 9  | 74 | 21 | 5  |   |    |   |
| Dental health general research support (HEW)                   | 636     | 636     | 79  | 21 | 67 | 32 | 1  |   |    |   |
| General research support grants (HEW)                          | 57,677  | 57,019  | 91  | 9  | 76 | 18 | 5  |   | 1  |   |
| NIH research grants (HEW)                                      | 539,107 | 530,915 | 94  | 6  | 81 | 15 | 3  |   | 1  |   |
| NIH fellowships (HEW)  | 49,137  | 34,089  | 91  | 9  | 77 | 19 | 4  | 1 | 1  |   |
| NIH training grants (HEW)                                      | 127,008 | 126,275 | 93  | 7  | 79 | 18 | 3  |   |    |   |
| NIH general research support (HEW)                             | 86,284  | 74,526  | 96  | 4  | 86 | 11 | 2  | 1 | 1  |   |
| Health service res. and dev. research grants (HEW)             | 6,581   | 6,474   | 91  | 9  | 83 | 10 |    | 3 | 4  |   |
| Health ser. res. and dev. training grants and fellowship (HEW) | 19,760  | 19,449  | 92  | 8  | 78 | 13 | 5  |   | 4  |   |
| Comm. disease research grants (HEW)                            | 2,326   | 2,107   | 96  | 4  | 80 | 15 | 5  |   |    |   |

See footnotes at end of table.

APPENDIX TABLE 8.—FEDERAL OUTLAYS BY PROGRAMS AND APPROPRIATIONS ACCRUING TO COUNTIES BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970—Continued

| General program type, specific programs and agency         | Federal outlays accruing to counties in analysis (in percent of total) |                   |      |          |              |                   |                     |                       |  |   |
|--|--|-------------------|------|----------|--------------|-------------------|---------------------|-----------------------|--|---|
|  | Metropolitan status  |                   |      |          |              | Urban orientation |                     |                       |  |   |
|  | Total Federal outlays (thousands)                                      | Total (thousands) | SMSA | Non-SMSA | Highly urban | Urban             | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population | Sparsely settled rural with no urban population |
| <b>COMMUNITY DEVELOPMENT—Continued</b>                     |  |                   |      |          |              |                   |                     |                       |  |   |
| Medical and prosthetic research (VA)                       | 59,355   | 58,606            | 97   | 3        | 87           | 11                | 1                   |                       |  |   |
| Research and demon. child welfare (HEW)                    | 4,179  | 4,164             | 87   | 13       | 78           | 10                | 10                  |                       |  | 2   |
| Research in maternal and child health (HEW)                | 5,885  | 5,618             | 99   | 1        | 84           | 16                |                     |                       |  |   |
| <b>Vocational rehabilitation:</b>                          |  |                   |      |          |              |                   |                     |                       |  |   |
| Vocational rehabilitation basic support 7 (HEW)            | 436,030  | 418,190           | 54   | 46       | 40           | 17                | 12                  | 9                     | 15   | 7   |
| Innovations in vocational rehabilitation 7 (HEW)           | 3,299  | 3,141             | 62   | 38       | 48           | 15                | 12                  | 6                     | 12   | 6   |
| Expansion of rehabilitation services (HEW)                 | 11,050   | 10,597            | 95   | 15       | 61           | 26                | 11                  | 1                     |  |   |
| Rehabilitation facility improvement (HEW)                  | 9,898  | 9,527             | 89   | 11       | 75           | 13                | 7                   | 2                     | 2  |   |
| Training rehabilitation personnel (HEW)                    | 27,402   | 26,578            | 88   | 12       | 70           | 20                | 8                   | 2                     | 1  |   |
| Special centers for rehabilitation (HEW)                   | 9,761  | 9,761             | 96   | 4        | 89           | 7                 | 4                   |                       |  |   |
| Development and construction rehabilitation projects (HEW) | 1,440  | 1,440             | 72   | 28       | 48           | 31                | 15                  | 2                     | 3  |   |
| Research and demon. rehabilitation (HEW)                   | 20,736   | 20,601            | 92   | 8        | 79           | 13                | 4                   | 1                     | 2  |   |
| <b>Health services:</b>                                    |  |                   |      |          |              |                   |                     |                       |  |   |
| Appalachian demon. health Project (HEW)                    | 26,324   | 26,214            | 26   | 74       | 9            | 54                |                     | 29                    | 3  | 6   |
| Project grants for area health plans (HEW)                 | 9,355  | 9,221             | 87   | 13       | 69           | 15                | 10                  | 1                     | 4  | 1   |
| Grants to States for comp. state health plans (HEW)        | 39,397   | 37,556            | 90   | 10       | 64           | 30                | 5                   |                       |  |   |
| Grants for comp. public health service (HEW)               | 74,142   | 71,215            | 88   | 12       | 66           | 29                | 6                   |                       |  |   |
| Project grants for health service development (HEW)        | 64,673   | 63,869            | 97   | 3        | 85           | 10                | 4                   |                       |  |   |
| Migrant health grants (HEW)                                | 14,106   | 13,753            | 71   | 29       | 42           | 25                | 26                  | 2                     | 4  | 2   |
| Staffing of com. metal health centers (HEW)                | 47,475   | 46,321            | 79   | 21       | 68           | 15                | 9                   | 6                     | 2  |   |



APPENDIX TABLES

|  |            |    |    |    |    |    |    |
|--|------------|----|----|----|----|----|----|
| Med. admin. and miscellaneous operating expenses (VA)  | 18,048     | 97 | 3  | 94 | 3  | 2  | 1  |
| Veterans hospitalization (VA)  | 1,668,246  | 81 | 19 | 69 | 19 | 7  | 3  |
| Veterans domiciliary program (VA)  | 38,984     | 50 | 50 | 48 | 26 | 12 | 8  |
| Neighborhood health centers (OEO)  | 72,431     | 89 | 11 | 82 | 7  | 3  | 5  |
| Maternal and child health services (HEW)   | 49,934     | 67 | 33 | 49 | 23 | 10 | 3  |
| Crippled children services (HEW)   | 58,060     | 67 | 33 | 49 | 21 | 11 | 4  |
| Maternal and infant care (include family plan) (HEW)   | 61,390     | 95 | 5  | 80 | 18 | 1  | 2  |
| Health school and preschool children (HEW)   | 39,986     | 93 | 7  | 82 | 14 | 1  | 3  |
| Social security and other retirements:<br>Benefit payments disabled coal miners <sup>1</sup> (HEW) | 7,138      | 49 | 51 | 15 | 55 | 1  | 2  |
| S.S. ben. pay. Fed. Supp. med. ins. trust fund <sup>2</sup> (HEW)                                  | 1,964,174  | 69 | 31 | 54 | 18 | 11 | 9  |
| S.S. ben. pay. Fed. hosp. ins. trust fund <sup>4</sup> (HEW)                                       | 4,753,099  | 68 | 32 | 53 | 18 | 10 | 9  |
| S.S. ben. pay. Fed. OASI trust fund <sup>4</sup> (HEW)   | 25,535,266 | 68 | 32 | 53 | 20 | 10 | 8  |
| S.S. ben. pay. Fed. disability ins. trust fund <sup>4</sup> (HEW)                                  | 2,775,911  | 64 | 36 | 48 | 21 | 10 | 9  |
| Vocational rehabilitation disability insurance fund <sup>4</sup> (HEW)                             | 22,314     | 57 | 43 | 43 | 17 | 12 | 14 |
| Social insurance program for R.R. workers (RRB)  | 1,710,065  | 66 | 34 | 48 | 22 | 13 | 8  |
| Unemployment insurance (Labor)   | 471,146    | 43 | 57 | 32 | 13 | 19 | 10 |
| Welfare:<br>Old-age assistance <sup>1</sup> (HEW)  | 1,364,782  | 53 | 47 | 39 | 13 | 17 | 18 |
| Aid to the blind <sup>1</sup> (HEW)  | 59,116     | 62 | 38 | 45 | 19 | 13 | 11 |
| Aid to the permanently and totally disabled <sup>1</sup> (HEW)                                     | 548,574    | 65 | 35 | 51 | 14 | 13 | 11 |
| Aid to families with dependent children <sup>1</sup> (HEW)   | 2,328,024  | 76 | 24 | 63 | 14 | 10 | 6  |
| Social services, adm. training <sup>1</sup> (HEW)  | 965,095    | 76 | 24 | 61 | 12 | 13 | 7  |
| Child care (HEW)   | 15,460     | 80 | 20 | 71 | 26 | 3  | 3  |
| Child welfare services <sup>1</sup> (HEW)  | 45,986     | 65 | 35 | 48 | 21 | 12 | 9  |
| Medical assistance—Other title XIX <sup>1</sup> (HEW)  | 31,404     | 50 | 50 | 32 | 25 | 10 | 17 |
| Medical assistance—Title XIX <sup>1</sup> (HEW)  | 2,792,138  | 69 | 31 | 55 | 14 | 11 | 10 |
| Employment opportunities, manpower training and development:<br>Conc. employment program (Labor)   | 176,098    | 89 | 11 | 74 | 9  | 8  | 2  |
| Job opportunity business sector (Labor)  | 168,810    | 92 | 8  | 81 | 8  | 6  | 3  |
| Manpower development and training (HEW)  | 157,312    | 91 | 9  | 70 | 26 | 4  | 1  |
| On the job training (Labor)  | 48,327     | 82 | 18 | 66 | 19 | 8  | 3  |
| MDTA—Institutional training <sup>12</sup> (Labor)  | 232,734    | 63 | 37 | 47 | 18 | 14 | 6  |
| Work incentive program (Labor)   | 78,780     | 86 | 14 | 68 | 29 | 3  | 1  |
| Neighborhood youth corps (Labor)   | 306,039    | 69 | 31 | 54 | 16 | 10 | 8  |

See footnotes at end of table.

APPENDIX TABLE 8.—FEDERAL OUTLAYS BY PROGRAMS AND APPROPRIATIONS ACCRUING TO COUNTIES BY METROPOLITAN STATUS AND URBAN ORIENTATION OF COUNTY, FISCAL YEAR 1970—Continued

| General program type, specific programs and agency                   | Federal outlays accruing to counties in analysis (in percent of total) |                     |          |                   |       |                     |                       |  |       |   |  |
|--|--|---------------------|----------|-------------------|-------|---------------------|-----------------------|--|-------|---|--|
|  | Total Federal outlays (thousands)                                      | Metropolitan status |          | Urban orientation |       |                     |                       | Sparsely settled rural with population       |       | Sparsely settled rural with no urban population |  |
|  |  | SMSA                | Non-SMSA | Highly urban      | Urban | Semi-isolated urban | Densely settled rural | Sparsely settled rural with urban population |       |   |  |
| <b>COMMUNITY DEVELOPMENT—Continued</b>                               |  |                     |          |                   |       |                     |                       |  |       |   |  |
| Job corp (Labor).....  | 110,291  | 66                  | 34       | 57                | 12    | 14                  | 6                     | 10   | 2     |   |  |
| Ass't. to migrant and seasonal farm-workers <sup>7</sup> (OEO).....  | 32,306   | 72                  | 28       | 41                | 24    | 17                  | 9                     | 7  | 3     |   |  |
| Legal services <sup>7</sup> (OEO).....                               | 54,476   | 89                  | 11       | 80                | 10    | 5                   | 1                     | 2  | 3     |   |  |
| New careers (Labor).....   | 38,360   | 92                  | 8        | 70                | 23    | 1                   | 2                     | 1  | 3     |   |  |
| Operation Mainstream (Labor).....                                    | 50,964   | 43                  | 57       | 28                | 14    | 18                  | 14                    | 15   | 11    |   |  |
| Programs for American Indians (Interior).....                        | 329,607  | 32                  | 68       | 28                | 2     | 30                  | .....                 | 20   | 20    |   |  |
| <b>DEFENSE</b>   |  |                     |          |                   |       |                     |                       |  |       |   |  |
| <b>Defense payroll:</b>  |  |                     |          |                   |       |                     |                       |  |       |   |  |
| Civilian payroll (Defense).....                                      | 10,262,806   | 82                  | 18       | 66                | 20    | 11                  | 1                     | 2  | 1     |   |  |
| Military active duty pay <sup>13</sup> (Defense).....                | 10,095,717   | 72                  | 28       | 48                | 25    | 24                  | 1                     | 1  | ..... |   |  |
| Military Reserve and National Guard pay <sup>13</sup> (Defense)..... | 904,726  | 76                  | 24       | 57                | 23    | 11                  | 4                     | 5  | 1     |   |  |
| Military retired pay <sup>13</sup> (Defense).....                    | 2,478,799  | 84                  | 16       | 63                | 21    | 11                  | 2                     | 2  | 2     |   |  |



| Defense contracts:                                    | 17,673,984 | 17,456,024 | 88 | 12 | 78 | 15 | 3  | 2 | 2  |
|---|------------|------------|----|----|----|----|----|---|----|
| Military prime supply contracts (Defense)             | 5,409,992  | 5,251,692  | 94 | 6  | 88 | 6  | 5  | 2 | 2  |
| Military prime rpte. contracts (Defense)              | 6,081,788  | 5,848,109  | 84 | 16 | 69 | 17 | 11 | 1 | 1  |
| Military prime constr. contracts (Defense)            | 750,499    | 651,531    | 56 | 44 | 28 | 28 | 36 | 5 | 2  |
| Civilian function prime contracts (Defense)           | 571,129    | 548,881    | 43 | 57 | 24 | 17 | 15 | 9 | 30 |
| Prime contracts of less than \$10,000 (Defense)       | 3,424,035  | 3,271,767  | 87 | 13 | 73 | 15 | 10 | 1 | 1  |
| Atomic Energy Commission:                             |            |            |    |    |    |    |    |   |    |
| Operating expenses <sup>11</sup> (AEC)                | 2,178,759  |            |    |    |    |    |    |   |    |
| Plant and capital equipment <sup>11</sup> (AEC)       | 425,098    |            |    |    |    |    |    |   |    |
| NASA:   |            |            |    |    |    |    |    |   |    |
| Research and program management <sup>11</sup> (NASA)  | 675,158    |            |    |    |    |    |    |   |    |
| Construction of facilities, NASA <sup>11</sup> (NASA) | 26,669     |            |    |    |    |    |    |   |    |
| Research and development, NASA <sup>11</sup> (NASA)   | 2,979,353  |            |    |    |    |    |    |   |    |

1 Prorated by geographic distribution of employees to State, county, and city levels.  
 2 Reported by face value, combines direct and guaranteed loans.  
 3 Reported by obligations.  
 4 Prorated by estimated obligations to State, county, and city levels.  
 5 15 percent of the outlay is prorated to county and city levels based on the distribution of the remaining 85 percent of the outlay which is accurate to all levels.  
 6 Included with forest protection and utilization.  
 7 Prorated on the basis of recipients to county and city levels.  
 8 Included with Appalachian regional development program (Commerce).  
 9 Accurate at national and State levels; prorated by number of employees located at the county and city levels.  
 10 Reported by face value.  
 11 Prorated to county and city levels according to fiscal year 1969 distributions.  
 12 Amounts are accurate to all levels for program funds. Proration to county and city levels is based on population for administrative funds in State employment security agencies.  
 13 Prorated by the percentage of payroll and related costs to county and city levels.  
 14 Not separated by individual programs; see text table 1, p. 3, for distribution of total.