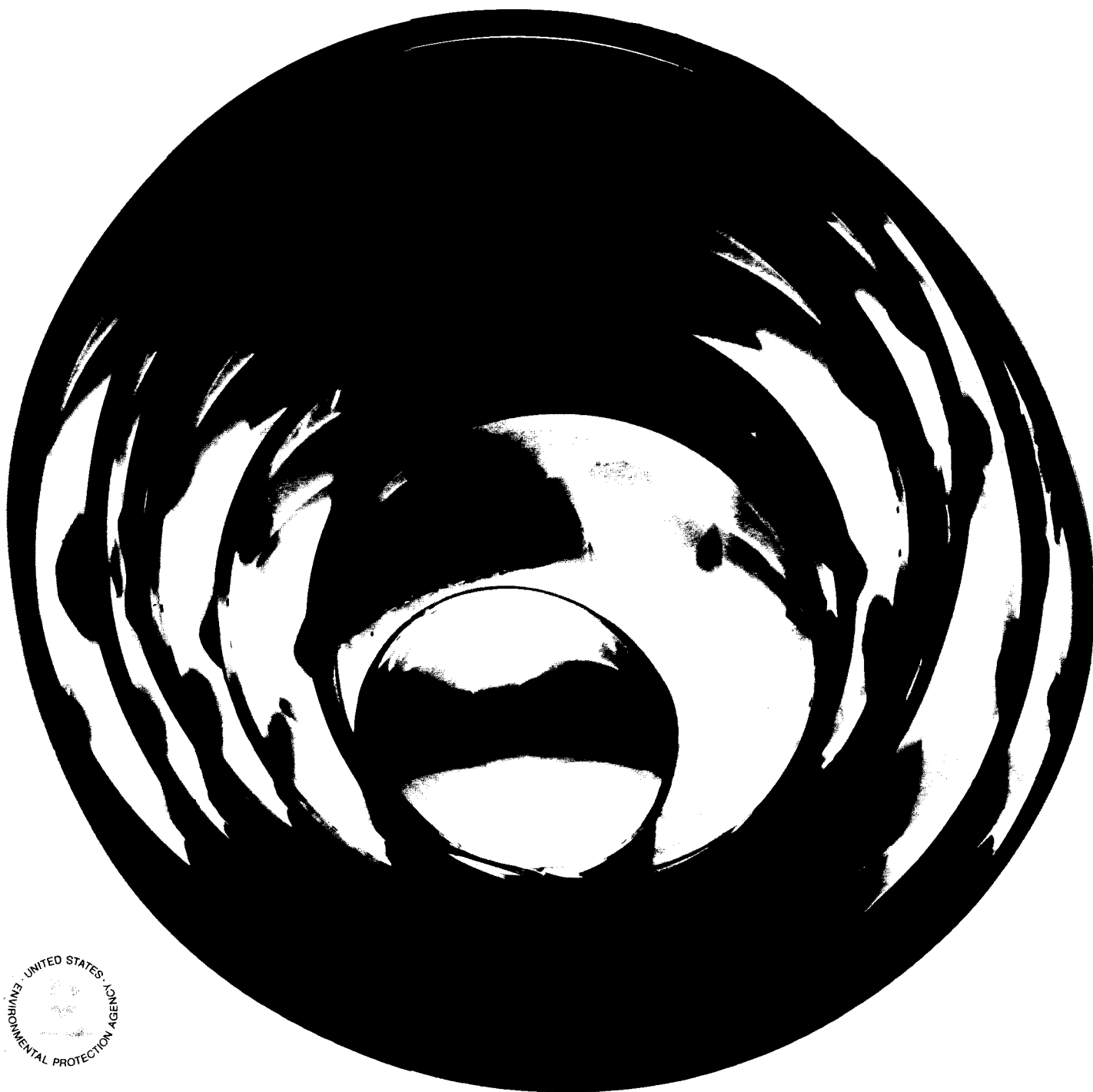


**EPA 440-9-76-027**

# **SEWAGE FACILITIES CONSTRUCTION REPORT 1975**



# SEWAGE FACILITIES CONSTRUCTION REPORT 1975

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## OFFICE OF WATER PLANNING AND STANDARDS

MONITORING AND DATA SUPPORT DIVISION  
WASHINGTON, D.C. 20460



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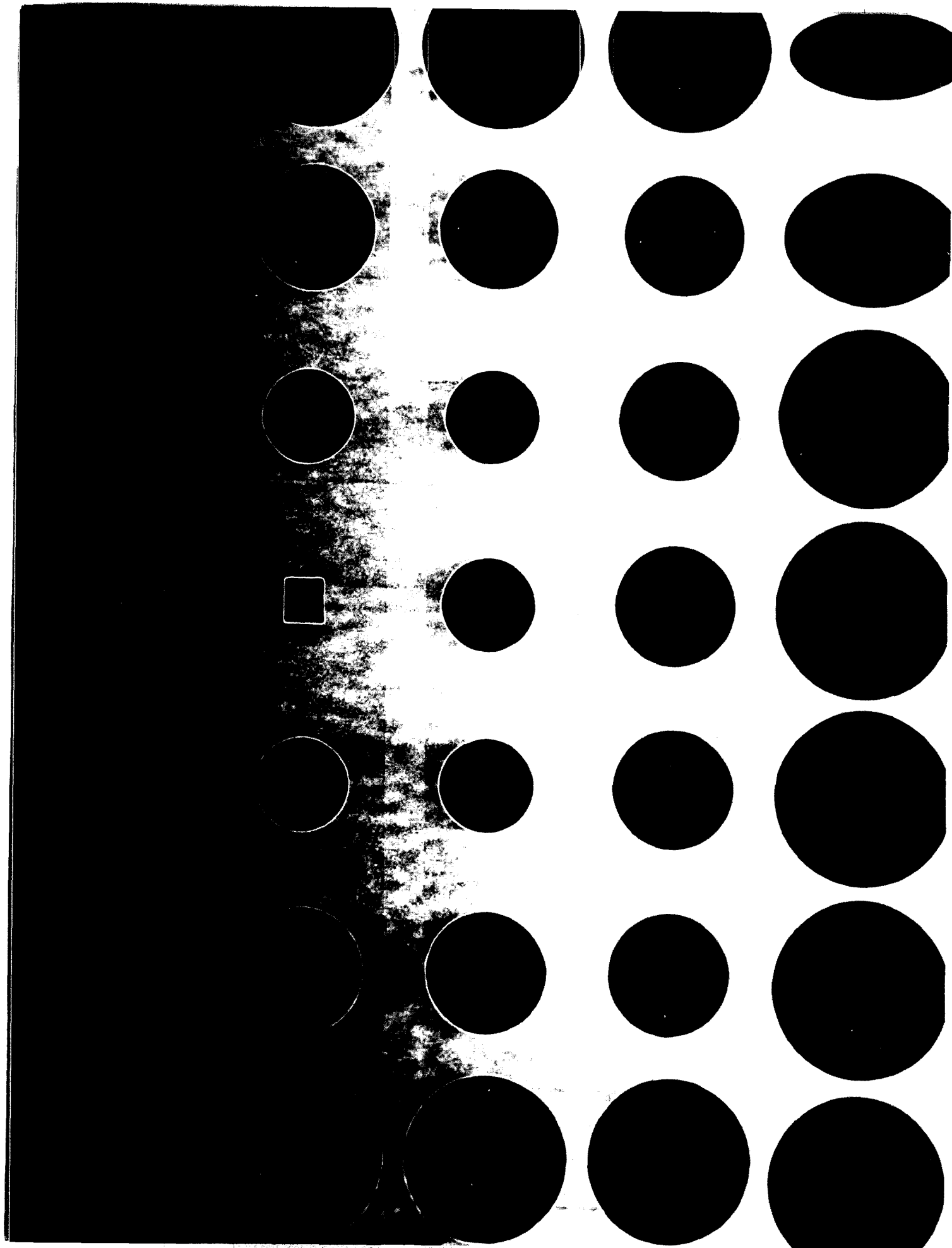
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# INTRODUCTION

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This publication contains a summary and analysis of contracts awarded during 1975 for constructing sewage facilities. Previous reports in this series were published annually for the years 1952 through 1971 and in a single report for the years 1972, 1973, and 1974.

The basic information for this report was collected and recorded, under contract, by the F.W. Dodge Division of McGraw Hill Information Systems Company.\*

Due to financial limitations, the U.S. Environmental Protection Agency is not planning to continue this publication. This is the last report in this series.

\*This material is disseminated under the auspices of the U.S. Environmental Protection Agency. No Offices of the United States Government assume any liability for its content or the use thereof.

# SUMMARY

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Analysis of the contracts awarded in 1975 and comparison to those awarded in previous years, result in the following principal observations.

- The Number of Contracts Awarded in 1975 Showed a Continuing Increase in Actual Dollars for Facility Construction Since 1952

In 1975, contract awards for sewage facilities construction totaled 4.4 billion dollars. This represents 13.3 percent of the total dollars (33 billion) spent on sewage facilities construction since 1952. When the dollar is converted to a 1957–1959 base to adjust for inflation, the contract awards for sewage facility construction were 1.744 billion dollars. This amount accounted for 7.5 percent of the total constant dollars (23.101 billion) spent on facility construction since 1952.

Since 1972, 14.4 billion dollars were spent on sewage facilities construction. This four-year figure represents 44 percent of the total dollars spent on sewage facilities construction since 1952. Using a constant dollar, 6.971 billion was spent since 1972. This four year value makes up 30.2 percent of the total constant dollars spent on facility construction since 1952.

- Since 1974, Per Capita Contract Awards Showed a Decline in Amount Spent for Sewage Facilities Construction

The annual per capita contract awards measured in constant dollars (1957–1959 base) increased 129.1 percent from 1957 to 1975. In 1975 however, the total annual awards, as measured in constant dollars show an 8.6 percent decrease from 1974. Also, the annual per capita awards measured in constant dollars decreased 10.2 percent from 1974 to 1975 (Figure 1 and Tables A1–A4). This may be indicative of a stabilization in the amount spent on sewage facilities construction after population increases and inflation are accounted for.

- Sewage Facilities Construction Accounted for 60 Percent of All Contracts Awarded in the Previous Five Years

Since 1971, sewage treatment facilities have comprised about 60 percent of all sewage facility construction (Figure 2). The remainder (40 percent) of the construction was for collecting sewers and combination projects.

# CATEGORIES OF FACILITIES CONSTRUCTION

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Contract awards for sewage facilities construction in 1975 totaled 4.4 billion dollars (Tables 1 and 2). Of this total, 2.925 billion dollars or 66.5 percent was awarded for treatment facilities, 1.016 billion dollars or 23.1 percent for collecting sewers, and the remaining 10.4 percent, 459 million dollars, was for combination projects where the breakdown in costs between the two categories was not specified. Combination group costs (Tables 1, 2 and A-7) were apportioned between sewage treatment facilities and collecting sewers in the same ratio as those for which such descriptions are available, making the figures 3.204 billion dollars and 1.196 billion dollars, respectively.

**Sewage Treatment Facilities:** This category which accounts for 67 percent of the total spending includes new plants (treatment plants, stabilization and oxidation ponds, lagoons and leaching systems, etc.) additions and/or replacements to existing plants, and an "other" classification which includes intercepting sewers, outfalls and pumping stations.

**Collecting Sewers:** This category includes lateral sewers, trunk sewers, extension force mains, lift stations on collecting or trunk lines, and combined sewers. Storm sewers are not included. In cases where combined collecting and storm sewers were part of the same contract and the costs could not be separated, one half of the contract award was assigned to the collecting sewers category.

**Combinations:** This category consists of projects where the breakdown in costs between sewage treatment facilities and collecting sewers was not specified.

More detailed data within these categories are presented in Appendix A.

# BASIC STATISTICS

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## National Trends

Annual contract awards for sewage facilities construction have increased steadily since 1957 on both a total dollar and per capita dollar basis. When the dollar is converted to a 1957–1959 base to adjust for inflation this trend is observed, except in 1975, where a decline is observed in terms of annual per capita awards as measured in constant dollars. The total current dollars for contract awards increased 10.6 percent from 1974 to 1975. *When these dollars were adjusted for inflation, however, the percentage change was a decrease of 8.6 percent (Table 1).*

The rate of increase in contract award dollars was higher over the last six years than it was in the preceding two six-year periods. This trend can be noted by taking the six year averages of the data for the last 18 years. The effects of year-to-year fluctuation are reduced by this method of analysis. The growth in per capita awards using constant dollars was 65.2 percent from the 1964–1969 period to the 1970–1975 period, compared to a 10.5 percent growth from the 1958–1963 period to the 1964–1969 period (Table 3).

## Awards by State

The State of New York had the highest total awards for 1975 (\$624 million) and the highest awards for each of the two major categories: treatment facilities (\$476 million) and collecting sewers (\$113 million). Those states having contracts in excess of \$200 million were: California (\$287 million), Florida (\$256 million), Indiana (\$243 million), Pennsylvania (\$225 million) and Illinois (\$212 million). Alaska had the highest total per capita awards in 1975 (\$71.91) and the highest per capita awards (\$71.20) for sewage treatment facilities. Rhode Island had the highest per capita awards (\$16.76) for collecting sewers. With the exception of Alaska, a state with special technical problems, the states with the highest per capita total awards were as follows: Delaware (\$59.35), Indiana (\$45.84), Rhode Island (\$45.33) and New Hampshire (\$40.88). Indiana was the only state to rank in the top five states in the categories of both total contract award dollars and per capita award dollars.

Figures 3 and 4 show a comparison between population density and per capita awards for sewage facilities construction by state.

## Awards by Basin

Table 5 shows the contract awards for sewage treatment facilities construction by basin for 1957–1975.

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The Northeast basin had the highest total awards in 1975 (1.067 billion) (Table 6).

The per capita awards for each of the 19 United States drainage basins for 1975 were based on the 1971 population for these basins, since these populations were the latest available. The basin with the highest per capita awards in 1975 for sewage facility construction was Alaska with an annual per capita award of \$84.38. Following Alaska, the basins with highest per capita awards in 1975 were Missouri (\$47.80) and Hawaii (\$40.47).

## Statistical Variations

Thirteen tables presenting data in different formats are included in Appendix A. Of special interest are Tables A-1 through A-6 which show percentage changes in annual contract awards. Tables A-1 and A-2 show the percentage change in annual contract award dollars per capita for 1957-1975 as measured in constant (1957-1959 base) and current dollars.

Tables A-3 and A-4 show the percentage change in annual contract award dollars for 1952-1975 as measured in current and constant dollars (1952-1959 base). Tables A-5 and A-6 indicate the percentage change in distributed sewage treatment and collecting sewers as measured in actual dollars.

Table A-7 shows the total contract awards by state, broken down by sewage treatment facilities and collecting sewers after the costs of the combination category were apportioned in the same ratio as those for which descriptions were available.

Tables A-8 and A-9 show contract awards for 1975 arranged by population size and dollar size groups for sewage treatment, collecting sewers and combinations.

Table A-10 shows the annual total contract awards by state since 1971.

Table A-11 shows the annual total contract awards by major basin since 1971.

Tables A-12 and A-13 show the annual percentage change in the dollars spent on sewage facilities construction by state and major basin since 1971.

Figure 1

**ANNUAL CONTRACT AWARD DOLLARS BY YEAR, 1952-1975**

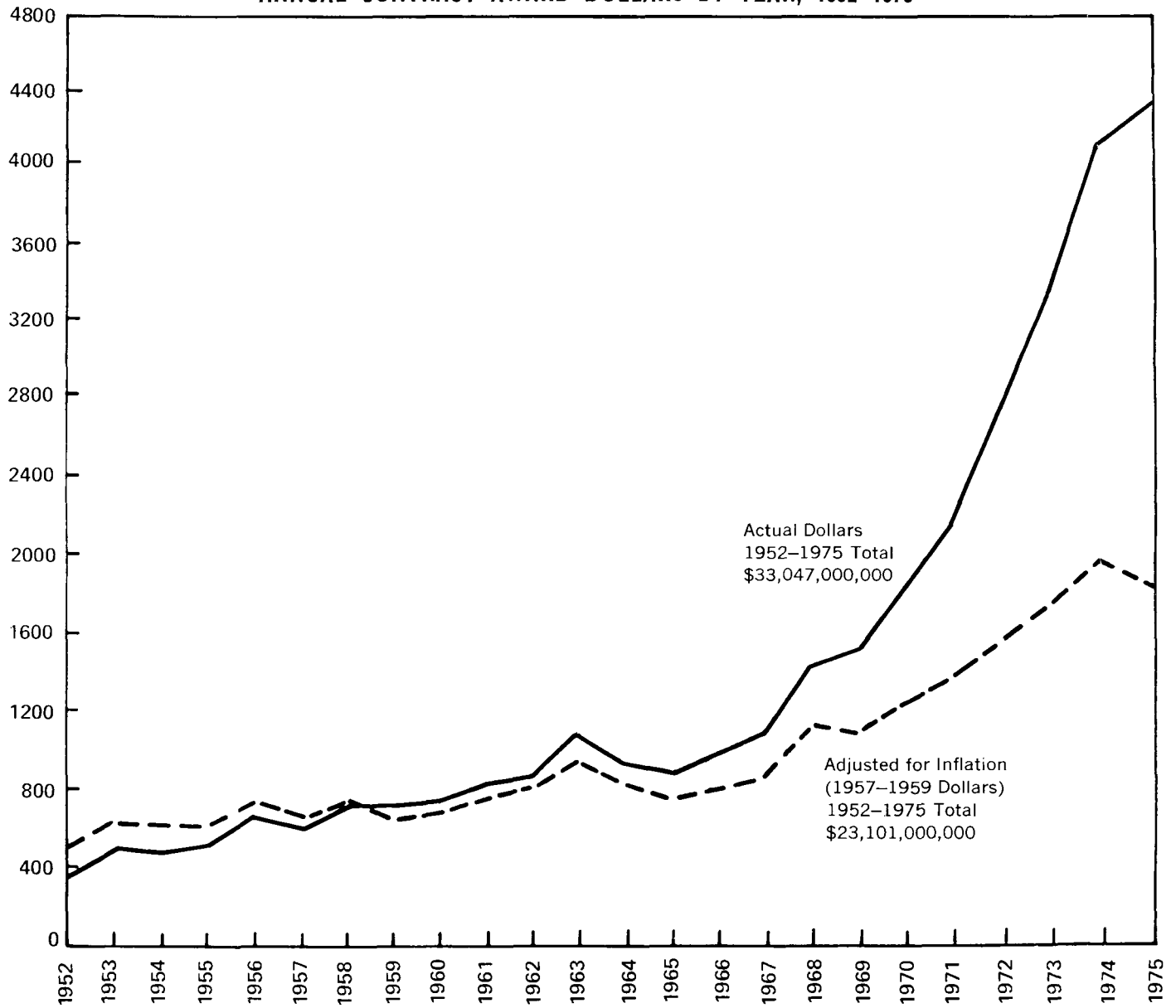
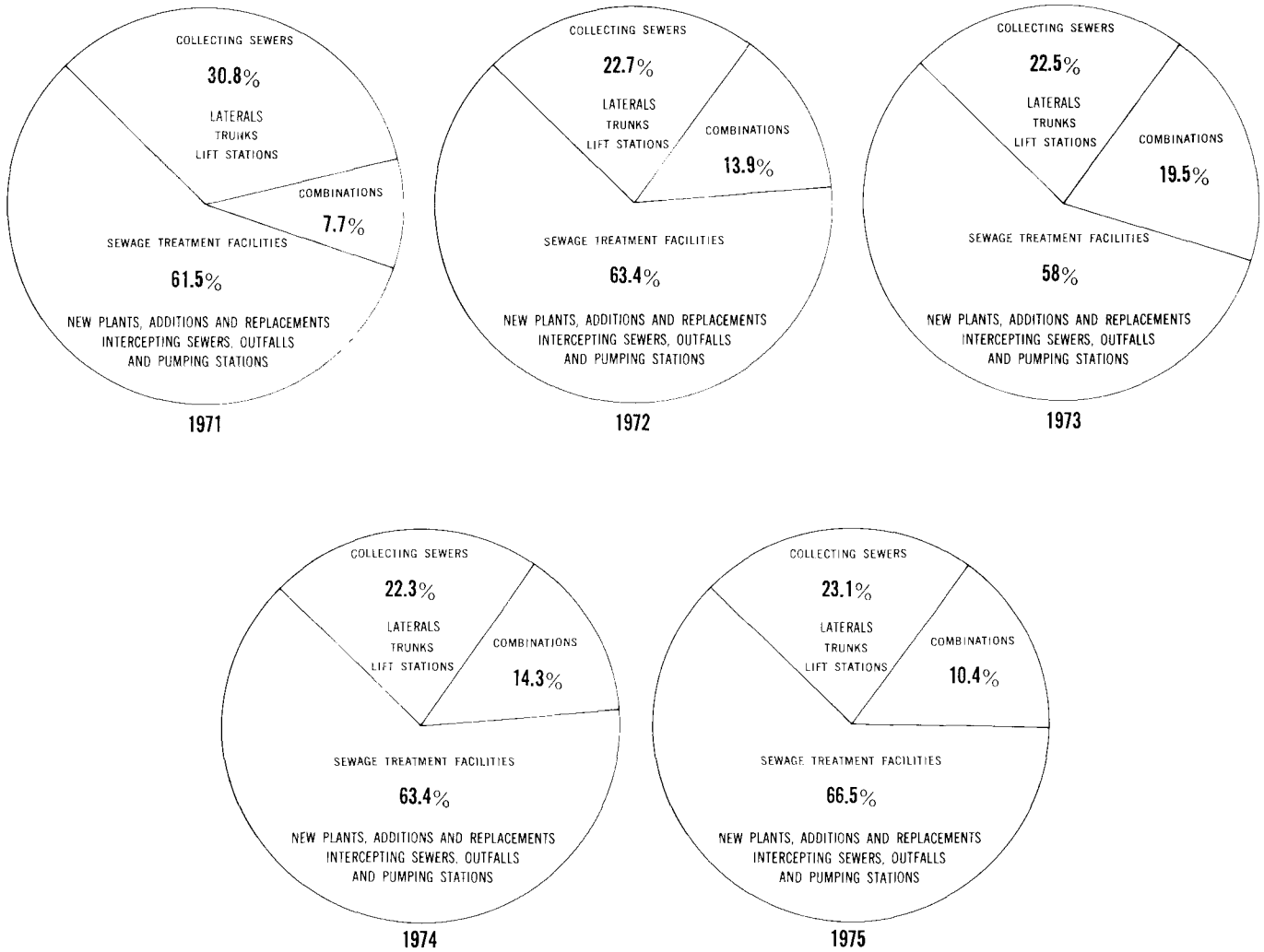
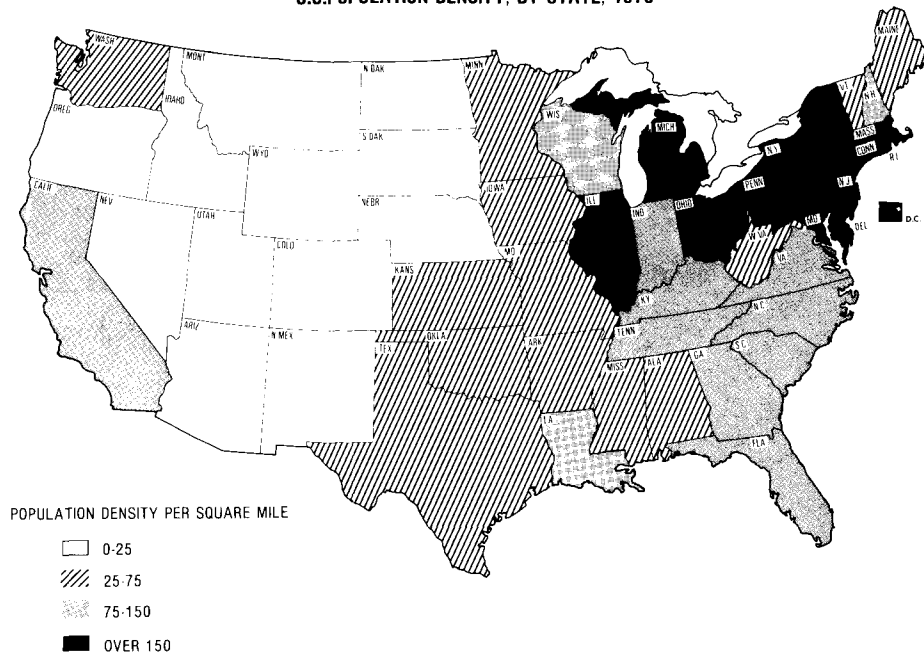


FIGURE 2  
**CONTRACT AWARD CATEGORIES**  
 (Share of award dollars)  
 1971-1975



**Figure 3**  
**U.S. POPULATION DENSITY, BY STATE, 1975**



**Figure 4**  
**PER CAPITA CONTRACT AWARDS, BY STATE, 1975**

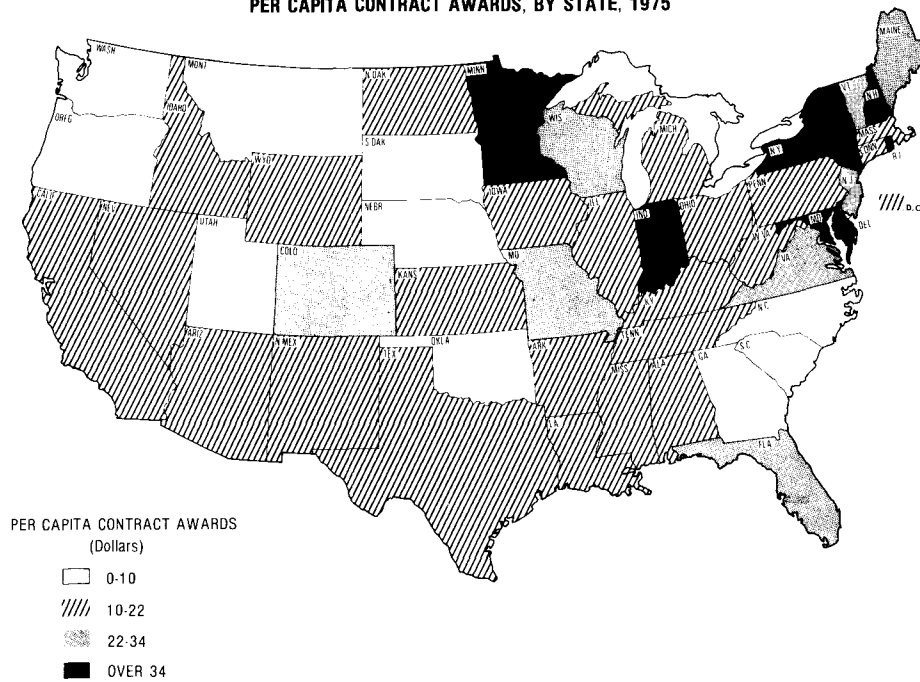


TABLE 1

## Annual contract awards—1952-1975

(Millions of dollars)

| Year        | Sewage treatment |           | Collecting sewers |           | Total   |           |
|-------------|------------------|-----------|-------------------|-----------|---------|-----------|
|             | Current          | 1957-1959 | Current           | 1957-1959 | Current | 1957-1959 |
| 1952        | 137              | 178       | 225               | 296       | 362     | 474       |
| 1953        | 187              | 231       | 286               | 353       | 473     | 584       |
| 1954        | 229              | 276       | 244               | 294       | 473     | 570       |
| 1955        | 201              | 232       | 301               | 345       | 502     | 577       |
| 1956        | 354              | 385       | 305               | 331       | 659     | 716       |
| 1957        | 351              | 362       | 247               | 254       | 598     | 616       |
| 1958        | 389              | 385       | 310               | 310       | 699     | 695       |
| 1959        | 349              | 336       | 336               | 320       | 685     | 656       |
| 1960        | 359              | 339       | 359               | 339       | 718     | 678       |
| 1961        | 449              | 419       | 380               | 352       | 829     | 771       |
| 1962        | 545              | 505       | 320               | 291       | 865     | 796       |
| 1963        | 679              | 612       | 405               | 358       | 1,084   | 970       |
| 1964        | 514              | 459       | 396               | 244       | 910     | 803       |
| 1965        | 522              | 458       | 356               | 304       | 878     | 762       |
| 1966        | 553              | 469       | 399               | 330       | 952     | 799       |
| 1967        | 597              | 497       | 448               | 360       | 1,045   | 857       |
| 1968        | 867              | 694       | 582               | 449       | 1,449   | 1,143     |
| 1969        | 825              | 611       | 684               | 492       | 1,509   | 1,103     |
| 1970        | 1,085            | 755       | 738               | 493       | 1,823   | 1,248     |
| 1971        | 1,453            | 909       | 674               | 403       | 2,127   | 1,312     |
| 1972        | 2,016            | 1,172     | 747               | 402       | 2,763   | 1,574     |
| 1973        | 2,305            | 1,262     | 962               | 482       | 3,267   | 1,744     |
| 1974        | 2,904            | 1,421     | 1,073             | 488       | 3,977   | 1,909     |
| 1975        | 3,204            | 1,282     | 1,196             | 462       | 4,400   | 1,744     |
| Grand Total | 21,074           | 14,249    | 11,973            | 8,752     | 33,047  | 23,101    |

## NOTES

1. Constant dollars on a 1957-1959 base were computed as follows: Sewers from PHS Sewer Construction Cost Index (PHS Publication 1132); sewage treatment from PHS Sewage Treatment Plant Construction Cost Index (PHS Publication 1069).

2. The Public Health Service sewage treatment data prior to 1957 are composed of identified contracts only. Beginning with 1957 the figures include an amount apportioned to sewage treatment works from the combination contracts.

3. Data on collecting sewers prior to 1957 are obtained by subtracting Public Health Service sewage treatment data from the U.S. Department of Commerce sewer data which includes sanitary and storm systems as well as sewage treatment works. Beginning with 1957 the data for collecting sewers were assembled by the Public Health Service and do not include storm sewers.

**TABLE 2**

**Contract award trends, 1957-75**

|                                                 | 1957  | 1958  | 1959  | 1960  | 1961  | 1962  | 1963  | 1964  |
|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total number of awards <sup>1</sup>             | 3,521 | 4,208 | 4,320 | 4,542 | 4,733 | 4,794 | 5,307 | 5,301 |
| Total award dollars (millions)                  | 598   | 699   | 685   | 718   | 829   | 865   | 1,084 | 910   |
| Total award dollars (millions, 1957-1959 base)  | 616   | 695   | 656   | 678   | 771   | 796   | 970   | 803   |
| Award dollars per capita                        | 3.47  | 3.99  | 3.84  | 3.96  | 4.50  | 4.62  | 5.73  | 4.73  |
| Award dollars per capita (1957-1959 base)       | 3.57  | 3.97  | 3.68  | 3.74  | 4.19  | 4.25  | 5.13  | 4.17  |
| Sewage treatment award dollars (millions)       | 351   | 389   | 349   | 359   | 449   | 545   | 679   | 514   |
| New plant award dollars (millions) <sup>2</sup> | 130   | 128   | 95    | 97    | 101   | 117   | 216   | 144   |
| Collecting sewers award dollars (millions)      | 247   | 310   | 336   | 359   | 380   | 320   | 405   | 396   |

|                                                 | 1965  | 1966  | 1967  | 1968  | 1969  | 1970  | 1971  | 1972  |
|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total number of awards <sup>1</sup>             | 5,211 | 5,202 | 5,278 | 5,622 | 6,258 | 5,140 | 5,210 | 5,321 |
| Total award dollars (millions)                  | 878   | 952   | 1,045 | 1,449 | 1,509 | 1,823 | 2,127 | 2,763 |
| Total award dollars (millions, 1957-1959 base)  | 762   | 799   | 857   | 1,143 | 1,103 | 1,248 | 1,312 | 1,574 |
| Award dollars per capita                        | 4.52  | 4.85  | 5.25  | 7.20  | 7.43  | 8.89  | 10.33 | 13.27 |
| Award dollars per capita (1957-1959 base)       | 3.92  | 4.07  | 4.31  | 5.68  | 5.43  | 6.09  | 6.37  | 7.56  |
| Sewage treatment award dollars (millions)       | 522   | 553   | 597   | 867   | 825   | 1,085 | 1,453 | 2,016 |
| New plant award dollars (millions) <sup>2</sup> | 125   | 145   | 133   | 194   | 234   | 277   | 364   | 460   |
| Collecting sewers award dollars (millions)      | 356   | 399   | 448   | 582   | 684   | 738   | 674   | 747   |

|                                                 | 1973  | 1974  | 1975  | Total  |
|-------------------------------------------------|-------|-------|-------|--------|
| Total number of awards <sup>1</sup>             | 6,648 | 6,429 | 6,257 | 99,302 |
| Total award dollars (millions)                  | 3,267 | 3,977 | 4,400 | 30,578 |
| Total award dollars (millions, 1957-1959 base)  | 1,744 | 1,909 | 1,744 | 20,180 |
| Award dollars per capita                        | 15.56 | 18.95 | 20.65 |        |
| Award dollars per capita (1957-1959 base)       | 8.31  | 9.11  | 8.18  |        |
| Sewage treatment award dollars (millions)       | 2,305 | 2,904 | 3,204 |        |
| New plant award dollars (millions) <sup>2</sup> | 626   | 970   | 1,386 |        |
| Collecting sewers award dollars (millions)      | 962   | 1,073 | 1,196 |        |

<sup>1</sup> Excludes combination contracts for 1957-1968

<sup>2</sup> Included in Sewage Treatment Award Dollars above

**TABLE 3**

**Contract awards for three 6-year periods, 1958-1975**

|                                                   | 1958-1963 | 1964-1969 | 1970-1975 |
|---------------------------------------------------|-----------|-----------|-----------|
| Average award dollars (millions)                  | 813       | 1,124     | 3,060     |
| Percentage change from previous period            |           | 38.0%     | 172.2%    |
| Average award dollars (million, 1957-1959 base)   | 761       | 911       | 1,588     |
| Percentage change from previous period            |           | 19.7%     | 74.3%     |
| Average per capita award dollars                  | 4.44      | 5.66      | 14.61     |
| Percentage change from previous period            |           | 27.5%     | 158.1%    |
| Average per capita award dollars (1957-1959 base) | 4.16      | 4.60      | 7.60      |
| Percentage change from previous period            |           | 10.5%     | 65.2%     |

TABLE 4

## Contract awards by state, 1975

| STATE                | Total |               |            | Sewage Treatment |               |            | Collecting Sewers |               |            | Combinations |             |            |
|----------------------|-------|---------------|------------|------------------|---------------|------------|-------------------|---------------|------------|--------------|-------------|------------|
|                      | No.   | Dollars       | Per capita | No.              | Dollars       | Per capita | No.               | Dollars       | Per capita | No.          | Dollars     | Per capita |
| Alabama              | 38    | 49,149,528    | 13.59      | 13               | 43,839,478    | 12.13      | 23                | 5,149,891     | 1.42       | 2            | 160,159     | .04        |
| Alaska               | 7     | 25,315,065    | 71.91      | 6                | 25,064,356    | 71.20      | 1                 | 250,709       | .71        | 0            | 0           | .00        |
| Arizona              | 48    | 36,855,714    | 16.57      | 7                | 27,279,362    | 12.26      | 36                | 6,811,966     | 3.06       | 5            | 2,764,386   | 1.24       |
| Arkansas             | 54    | 29,836,241    | 14.10      | 15               | 21,553,486    | 10.18      | 26                | 7,235,953     | 3.41       | 13           | 1,046,802   | .49        |
| California           | 408   | 286,610,978   | 13.52      | 109              | 219,660,873   | 10.36      | 269               | 56,971,022    | 2.68       | 30           | 9,979,083   | .47        |
| Colorado             | 69    | 56,086,680    | 22.13      | 26               | 45,323,664    | 17.88      | 31                | 8,368,024     | 3.30       | 12           | 2,394,992   | .94        |
| Connecticut          | 178   | 60,280,869    | 19.47      | 20               | 17,018,770    | 5.49       | 151               | 40,024,916    | 12.93      | 7            | 3,237,183   | 1.04       |
| Delaware             | 45    | 34,365,860    | 59.35      | 4                | 17,811,941    | 30.76      | 35                | 9,272,530     | 16.01      | 6            | 7,281,389   | 12.57      |
| District of Columbia | 7     | 12,339,437    | 17.23      | 3                | 12,185,400    | 17.01      | 4                 | 154,037       | .21        | 0            | 0           | .00        |
| Florida              | 205   | 256,272,769   | 30.66      | 74               | 203,551,775   | 24.35      | 112               | 46,790,965    | 5.59       | 19           | 5,930,029   | .70        |
| Georgia              | 118   | 48,737,590    | 9.89       | 35               | 17,816,405    | 3.61       | 67                | 20,583,167    | 4.17       | 16           | 10,338,018  | 2.09       |
| Hawaii               | 24    | 32,383,686    | 37.43      | 16               | 21,827,000    | 25.23      | 7                 | 10,325,000    | 11.93      | 1            | 231,686     | .26        |
| Idaho                | 10    | 9,305,441     | 11.34      | 5                | 7,858,308     | 9.58       | 3                 | 720,770       | .87        | 2            | 726,363     | .88        |
| Illinois             | 280   | 212,000,722   | 19.02      | 94               | 128,336,649   | 11.51      | 156               | 40,118,886    | 3.59       | 30           | 43,545,187  | 3.90       |
| Indiana              | 152   | 243,495,857   | 45.84      | 37               | 212,266,550   | 39.96      | 101               | 22,084,127    | 4.15       | 14           | 9,145,180   | 1.72       |
| Iowa                 | 138   | 49,475,433    | 17.23      | 36               | 40,100,156    | 13.97      | 88                | 7,449,285     | 2.59       | 14           | 1,925,992   | .67        |
| Kansas               | 133   | 26,519,273    | 11.69      | 14               | 16,120,839    | 7.11       | 108               | 8,162,401     | 3.60       | 11           | 2,236,033   | .98        |
| Kentucky             | 73    | 59,595,942    | 17.54      | 11               | 28,351,420    | 8.34       | 51                | 12,866,916    | 3.78       | 11           | 18,377,606  | 5.41       |
| Louisiana            | 86    | 39,073,301    | 10.30      | 12               | 19,608,258    | 5.17       | 57                | 16,242,848    | 4.28       | 17           | 3,222,195   | .84        |
| Maine                | 55    | 26,304,224    | 24.83      | 17               | 17,054,888    | 16.10      | 35                | 5,674,816     | 5.35       | 3            | 3,574,520   | 3.37       |
| Maryland             | 247   | 145,788,714   | 35.57      | 22               | 103,894,052   | 25.35      | 178               | 26,276,931    | 6.41       | 47           | 15,617,731  | 3.81       |
| Massachusetts        | 164   | 111,724,357   | 19.17      | 35               | 79,840,235    | 13.69      | 114               | 27,742,440    | 4.76       | 15           | 4,141,682   | .71        |
| Michigan             | 233   | 196,760,928   | 21.48      | 34               | 82,075,907    | 8.96       | 170               | 104,054,862   | 11.36      | 29           | 10,630,159  | 1.16       |
| Minnesota            | 277   | 153,427,610   | 39.07      | 19               | 69,881,934    | 17.79      | 176               | 14,738,845    | 3.75       | 82           | 68,806,831  | 17.52      |
| Mississippi          | 56    | 36,728,858    | 15.65      | 11               | 25,218,773    | 10.74      | 29                | 2,586,684     | 1.10       | 16           | 8,923,401   | 3.80       |
| Missouri             | 138   | 125,029,482   | 26.25      | 45               | 105,355,515   | 22.11      | 83                | 16,206,570    | 3.40       | 10           | 3,467,397   | .72        |
| Montana              | 9     | 5,204,807     | 6.95       | 1                | 4,351,322     | 5.81       | 6                 | 664,592       | .88        | 2            | 188,893     | .25        |
| Nebraska             | 114   | 14,954,539    | 9.67       | 24               | 8,692,562     | 5.62       | 83                | 5,495,698     | 3.55       | 7            | 766,279     | .49        |
| Nevada               | 16    | 9,086,706     | 15.34      | 7                | 5,026,676     | 8.49       | 5                 | 1,218,480     | 2.05       | 4            | 2,841,550   | 4.79       |
| New Hampshire        | 35    | 33,442,750    | 40.88      | 11               | 16,881,557    | 20.63      | 17                | 10,088,693    | 12.33      | 7            | 6,472,500   | 7.91       |
| New Jersey           | 182   | 199,525,829   | 27.27      | 59               | 149,724,037   | 20.46      | 116               | 29,987,105    | 4.09       | 7            | 19,814,687  | 2.70       |
| New Mexico           | 24    | 13,562,974    | 11.82      | 2                | 282,040       | .24        | 9                 | 3,945,653     | 3.43       | 13           | 9,335,281   | 8.13       |
| New York             | 342   | 624,490,951   | 34.46      | 96               | 476,420,902   | 26.29      | 216               | 113,316,694   | 6.25       | 30           | 34,753,355  | 1.91       |
| North Carolina       | 129   | 50,948,368    | 9.34       | 29               | 18,152,336    | 3.33       | 77                | 17,068,936    | 3.13       | 23           | 15,727,096  | 2.88       |
| North Dakota         | 54    | 8,264,409     | 13.01      | 7                | 4,455,330     | 7.01       | 37                | 3,131,772     | 4.93       | 10           | 677,307     | 1.06       |
| Ohio                 | 287   | 164,148,351   | 15.25      | 49               | 90,293,918    | 8.39       | 218               | 69,255,185    | 6.43       | 20           | 4,599,248   | .42        |
| Oklahoma             | 51    | 26,809,068    | 9.88       | 9                | 20,252,396    | 7.46       | 34                | 3,948,817     | 1.45       | 8            | 2,607,855   | .96        |
| Oregon               | 77    | 22,064,391    | 9.64       | 18               | 14,039,997    | 6.13       | 50                | 6,450,744     | 2.81       | 9            | 1,573,650   | .68        |
| Pennsylvania         | 358   | 225,458,519   | 19.06      | 108              | 119,312,005   | 10.08      | 205               | 69,601,364    | 5.88       | 45           | 36,545,150  | 3.08       |
| Rhode Island         | 31    | 42,022,898    | 45.33      | 11               | 26,198,732    | 28.26      | 19                | 15,539,272    | 16.76      | 1            | 284,894     | .30        |
| South Carolina       | 46    | 9,480,905     | 3.36       | 8                | 2,123,996     | .75        | 32                | 5,063,833     | 1.79       | 6            | 2,293,076   | .81        |
| South Dakota         | 45    | 3,422,060     | 5.01       | 3                | 358,277       | .52        | 32                | 1,832,354     | 2.68       | 10           | 1,231,429   | 1.80       |
| Tennessee            | 97    | 64,542,767    | 15.41      | 16               | 25,007,364    | 5.97       | 63                | 22,593,995    | 5.39       | 18           | 16,941,408  | 4.04       |
| Texas                | 372   | 165,175,795   | 13.49      | 74               | 99,915,655    | 8.16       | 214               | 41,825,242    | 3.41       | 84           | 23,434,898  | 1.91       |
| Utah                 | 9     | 6,443,805     | 5.34       | 6                | 4,830,189     | 4.00       | 3                 | 1,613,616     | 1.33       | 0            | 0           | .00        |
| Vermont              | 17    | 10,502,524    | 22.29      | 6                | 3,901,134     | 8.28       | 8                 | 1,232,630     | 2.61       | 3            | 5,368,760   | 11.39      |
| Virginia             | 216   | 120,568,579   | 24.27      | 38               | 84,717,143    | 17.05      | 157               | 27,594,014    | 5.55       | 21           | 8,257,422   | 1.66       |
| Washington           | 79    | 73,662,965    | 20.78      | 24               | 48,167,657    | 13.59      | 42                | 14,256,612    | 4.02       | 13           | 11,238,696  | 3.17       |
| West Virginia        | 36    | 31,020,225    | 17.20      | 14               | 15,493,224    | 8.59       | 13                | 9,730,103     | 5.39       | 9            | 5,796,898   | 3.21       |
| Wisconsin            | 378   | 104,406,079   | 22.66      | 49               | 72,751,178    | 15.79      | 258               | 21,123,640    | 4.58       | 71           | 10,531,261  | 2.28       |
| Wyoming              | 10    | 7,724,174     | 20.65      | 5                | 5,162,035     | 13.80      | 4                 | 2,087,853     | 5.58       | 1            | 474,286     | 1.26       |
| TOTALS               | 6,257 | 4,400,398,997 | 20.64      | 1,394            | 2,925,407,656 | 13.72      | 4,029             | 1,015,531,458 | 4.76       | 834          | 459,459,883 | 2.15       |

PERCENTAGE OF TOTAL

66.48%

23.07%

10.44%

TABLE 5

Contract award dollars by basin, 1957-1975\*

| Basin                       | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971  | 1972  | 1973  | 1974  | 1975  | Grand Total |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------------|
| Northeast                   | 10   | 35   | 20   | 23   | 14   | 38   | 60   | 37   | 66   | 66   | 81   | 182  | 266  | 280  | 426   | 829   | 614   | 504   | 758   | 4,309       |
| North Atlantic              | 59   | 63   | 50   | 70   | 68   | 77   | 116  | 87   | 48   | 58   | 99   | 100  | 59   | 109  | 94    | 97    | 190   | 292   | 334   | 2,070       |
| Southeast                   | 22   | 31   | 35   | 32   | 30   | 35   | 57   | 53   | 56   | 47   | 60   | 76   | 69   | 73   | 118   | 142   | 167   | 273   | 302   | 1,672       |
| Tennessee River             | 4    | 7    | 6    | 6    | 5    | 3    | 6    | 11   | 11   | 6    | 9    | 14   | 11   | 10   | 10    | 4     | 29    | 16    | 20    | 188         |
| Ohio River                  | 54   | 57   | 62   | 47   | 60   | 55   | 58   | 48   | 56   | 41   | 46   | 87   | 38   | 62   | 117   | 117   | 175   | 206   | 296   | 1,682       |
| Lake Erie                   | 14   | 7    | 7    | 9    | 10   | 5    | 12   | 11   | 14   | 10   | 17   | 20   | 26   | 26   | 35    | 29    | 56    | 156   | 93    | 557         |
| Upper Mississippi           | 36   | 37   | 47   | 28   | 28   | 42   | 85   | 40   | 67   | 74   | 75   | 85   | 79   | 104  | 128   | 142   | 147   | 249   | 212   | 1,705       |
| Western Great Lakes         | 14   | 22   | 22   | 21   | 28   | 74   | 34   | 30   | 24   | 42   | 16   | 47   | 80   | 129  | 163   | 202   | 79    | 146   | 175   | 1,348       |
| Missouri River              | 11   | 14   | 13   | 17   | 28   | 22   | 22   | 41   | 26   | 32   | 19   | 36   | 19   | 12   | 16    | 37    | 40    | 155   | 167   | 727         |
| Southwest-Lower Mississippi | 16   | 23   | 14   | 18   | 18   | 4    | 48   | 28   | 15   | 28   | 29   | 30   | 33   | 35   | 36    | 19    | 63    | 70    | 93    | 620         |
| Colorado River              | 4    | 4    | 3    | 4    | 3    | 16   | 12   | 7    | 6    | 6    | 6    | 6    | 15   | 6    | < 1   | 2     | 22    | 21    | 36    | 179         |
| Western Gulf                | 9    | 18   | 9    | 16   | 11   | 30   | 19   | 21   | 22   | 18   | 18   | 23   | 28   | 31   | 22    | 51    | 75    | 80    | 96    | 597         |
| Pacific Northwest           | 8    | 11   | 9    | 9    | 17   | 51   | 39   | 20   | 27   | 22   | 19   | 17   | 15   | 16   | 48    | 45    | 44    | 74    | 70    | 561         |
| California                  | 59   | 28   | 25   | 23   | 55   | 2    | 18   | 15   | 28   | 54   | 36   | 39   | 31   | 58   | 88    | 33    | 145   | 250   | 199   | 1,186       |
| Great Basin                 | 8    | 2    | 3    | 5    | 3    | < 1  | 7    | 6    | 4    | 8    | 12   | 6    | 2    | 4    | 3     | 2     | 5     | 5     | 30    | 115         |
| Alaska                      | —    | —    | —    | 1    | 2    | 6    | < 1  | 1    | 1    | < 1  | < 1  | 4    | —    | 8    | 3     | 3     | 13    | 1     | 25    | 68          |
| Hawaii                      | —    | —    | 1    | 2    | 1    | 3    | 8    | 5    | 3    | 5    | 4    | 3    | 5    | < 1  | —     | < 1   | 32    | 21    | 22    | 115         |
| TOTALS                      | 328  | 359  | 326  | 331  | 381  | 463  | 595  | 461  | 474  | 517  | 546  | 775  | 776  | 963  | 1,307 | 1,754 | 1,896 | 2,519 | 2,928 | 17,699      |

\*Sewage treatment facilities only.

TABLE 6

Contract awards by basin, 1975

| Drainage Basin                  | Total |               |              | Sewage Treatment |               |            | Collecting Sewers |               |            | Combinations |             |            |
|---------------------------------|-------|---------------|--------------|------------------|---------------|------------|-------------------|---------------|------------|--------------|-------------|------------|
|                                 | No.   | Dollars       | Per** capita | No.              | Dollars       | Per capita | No.               | Dollars       | Per capita | No.          | Dollars     | Per capita |
| Northeast                       | 930   | 1,067,126,672 | 25.71        | 236              | 758,493,240   | 18.27      | 629               | 235,527,662   | 5.67       | 65           | 73,105,770  | 1.76       |
| North Atlantic                  | 789   | 517,045,982   | 27.07        | 138              | 333,992,261   | 17.48      | 536               | 117,840,303   | 6.16       | 115          | 65,213,418  | 3.41       |
| Southeast                       | 575   | 438,613,142   | 17.40        | 168              | 301,899,078   | 11.98      | 332               | 94,653,344    | 3.75       | 75           | 42,060,720  | 1.66       |
| Tennessee River                 | 57    | 44,118,355    | 13.78        | 14               | 19,944,500    | 6.23       | 32                | 16,386,404    | 5.12       | 11           | 7,787,451   | 2.43       |
| Ohio River                      | 524   | 432,044,703   | 21.17        | 118              | 295,603,255   | 14.49      | 349               | 93,953,582    | 4.60       | 57           | 42,487,866  | 2.08       |
| Lake Erie                       | 276   | 216,216,343   | 22.75        | 51               | 92,739,086    | 9.76       | 203               | 116,409,772   | 12.25      | 22           | 7,067,485   | .74        |
| Upper Mississippi               | 844   | 389,547,460   | 21.05        | 168              | 211,591,651   | 11.43      | 520               | 62,444,536    | 3.37       | 156          | 115,511,273 | 6.24       |
| *Western Great Lakes            | 411   | 250,201,189   | 19.85        | 60               | 174,677,091   | 13.86      | 284               | 58,798,234    | 4.66       | 67           | 16,725,864  | 1.32       |
| Lake Michigan                   | 355   | 187,456,449   | .00          | 49               | 119,688,321   | .00        | 246               | 54,454,963    | .00        | 60           | 13,313,165  | .00        |
| Lake Huron                      | 40    | 10,583,809    | .00          | 9                | 6,104,031     | .00        | 27                | 3,903,949     | .00        | 4            | 575,829     | .00        |
| Lake Superior                   | 16    | 52,160,931    | .00          | 2                | 48,884,739    | .00        | 11                | 439,322       | .00        | 3            | 2,836,870   | .00        |
| Missouri River                  | 410   | 205,576,509   | 47.80        | 97               | 166,539,982   | 38.73      | 270               | 31,159,308    | 7.24       | 43           | 7,877,219   | 1.83       |
| South Central Lower Mississippi | 370   | 156,733,620   | 12.84        | 66               | 92,651,676    | 7.59       | 242               | 45,135,881    | 3.69       | 62           | 18,946,063  | 1.55       |
| Colorado River                  | 83    | 53,106,985    | 23.08        | 21               | 35,916,401    | 15.61      | 49                | 10,043,250    | 4.36       | 13           | 7,147,334   | 3.10       |
| Western Gulf                    | 369   | 170,195,253   | 15.33        | 69               | 95,545,658    | 8.60       | 208               | 43,118,301    | 3.88       | 92           | 31,531,294  | 2.84       |
| Pacific Northwest               | 166   | 105,032,797   | 16.41        | 47               | 70,065,962    | 10.94      | 95                | 21,428,126    | 3.34       | 24           | 13,538,709  | 2.11       |
| California                      | 392   | 262,059,189   | 19.55        | 107              | 199,336,409   | 14.87      | 255               | 52,743,697    | 3.93       | 30           | 9,979,083   | .74        |
| Great Basin                     | 30    | 35,082,047    | 26.98        | 12               | 29,520,050    | 22.70      | 17                | 5,313,349     | 4.08       | 1            | 248,648     | .19        |
| Alaska                          | 7     | 25,315,065    | 84.38        | 6                | 25,064,356    | 83.54      | 1                 | 250,709       | 83         | 0            | 0           | .00        |
| Hawaii                          | 24    | 32,383,686    | 40.47        | 16               | 21,827,000    | 27.28      | 7                 | 10,325,000    | 12.90      | 1            | 231,686     | .28        |
| TOTALS                          | 6,257 | 4,400,398,997 | 21.77        | 1,394            | 2,925,407,656 | 14.47      | 4,029             | 1,015,531,458 | 5.02       | 834          | 459,459,883 | 2.27       |

PERCENTAGE OF TOTAL

66.48%

23.07%

10.44%

\*Aggregate of lakes Michigan, Huron, and Superior.

\*\*Based on 1971 basin population.

# APPENDIX A

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TABLE A-3

Percentage change—annual contract award dollars, 1952-1975 (current dollars)

|      | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961  | 1962  | 1963  | 1964  | 1965  | 1966  | 1967  | 1968  | 1969  | 1970  | 1971  | 1972  | 1973  | 1974  | 1975   |
|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1952 | —    | 3.07 | 30.7 | 38.7 | 82.0 | 65.2 | 93.1 | 89.2 | 98.3 | 129.0 | 139.0 | 199.4 | 151.4 | 142.6 | 163.0 | 188.7 | 217.4 | 316.9 | 403.6 | 487.6 | 663.3 | 802.5 | 998.6 | 1115.5 |
| 1953 | —    | —    | 0.0  | 6.1  | 39.3 | 26.4 | 47.8 | 44.8 | 51.8 | 75.3  | 82.9  | 129.2 | 92.4  | 85.6  | 101.3 | 121.0 | 142.9 | 219.0 | 285.4 | 349.7 | 484.1 | 590.7 | 740.8 | 830.2  |
| 1954 | —    | —    | —    | 6.1  | 39.3 | 26.4 | 47.8 | 44.8 | 51.8 | 75.3  | 82.9  | 129.2 | 92.4  | 85.6  | 101.3 | 121.0 | 142.9 | 219.0 | 285.4 | 349.7 | 484.1 | 590.7 | 740.8 | 830.2  |
| 1955 | —    | —    | —    | —    | 31.3 | 19.1 | 39.2 | 36.5 | 43.0 | 65.1  | 72.3  | 115.9 | 81.3  | 74.9  | 89.6  | 108.2 | 128.9 | 200.6 | 263.1 | 323.7 | 450.4 | 550.8 | 692.2 | 776.5  |
| 1956 | —    | —    | —    | —    | —    | 9.3  | 1    | 3.9  | 9.0  | 25.8  | 31.3  | 64.4  | 38.1  | 33.2  | 44.5  | 58.6  | 74.4  | 129.0 | 176.6 | 222.8 | 319.3 | 395.8 | 503.5 | 567.7  |
| 1957 | —    | —    | —    | —    | —    | —    | 16.9 | 14.6 | 20.1 | 38.6  | 44.6  | 81.3  | 52.2  | 46.8  | 59.2  | 74.7  | 92.1  | 152.3 | 204.8 | 255.7 | 362.0 | 446.3 | 565.1 | 635.8  |
| 1958 | —    | —    | —    | —    | —    | —    | —    | —    | 2.7  | 18.6  | 23.7  | 55.1  | 30.2  | 25.6  | 36.2  | 49.5  | 64.4  | 115.9 | 160.8 | 204.3 | 295.3 | 367.4 | 469.0 | 529.5  |
| 1959 | —    | —    | —    | —    | —    | —    | —    | —    | 4.8  | 21.0  | 26.3  | 58.2  | 32.8  | 28.2  | 39.0  | 52.6  | 67.7  | 120.3 | 166.1 | 210.5 | 303.4 | 376.9 | 480.6 | 542.3  |
| 1960 | —    | —    | —    | —    | —    | —    | —    | —    | —    | 15.5  | 20.4  | 51.0  | 26.7  | 22.3  | 32.6  | 45.5  | 60.0  | 110.2 | 153.9 | 196.2 | 284.8 | 355.0 | 453.9 | 512.8  |
| 1961 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | 4.3   | 30.8  | 9.8   | 5.9   | 14.8  | 26.1  | 38.6  | 82.0  | 119.0 | 156.6 | 233.3 | 294.1 | 379.7 | 430.8  |
| 1962 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | 25.3  | 5.2   | 1.5   | 10.1  | 20.8  | 32.8  | 74.5  | 110.8 | 115.9 | 219.4 | 272.7 | 359.8 | 408.7  |
| 1963 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | 16.1  | 19.0  | 12.2  | 3.6   | 6.0   | 39.2  | 68.2  | 96.2  | 154.9 | 201.4 | 266.9 | 305.9  |
| 1964 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | 3.5   | 4.6   | 14.8  | 26.3  | 65.8  | 100.3 | 133.7 | 203.6 | 259.0 | 337.0 | 383.5  |
| 1965 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | 8.4   | 19.0  | 30.9  | 71.9  | 107.6 | 142.3 | 214.7 | 272.1 | 353.0 | 401.1  |
| 1966 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | 9.8   | 20.7  | 58.5  | 91.5  | 123.4 | 190.2 | 243.2 | 317.8 | 362.2  |
| 1967 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | 10.0  | 44.4  | 74.4  | 103.5 | 164.4 | 212.6 | 280.6 | 321.1  |
| 1968 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | 31.3  | 58.7  | 85.1  | 140.5 | 184.3 | 174.5 | 282.9  |
| 1969 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | 20.8  | 41.0  | 83.1  | 116.5 | 163.6 | 191.6  |
| 1970 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 16.7  | 51.6  | 79.2  | 118.2 | 141.4  |
| 1971 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 29.9  | 53.6  | 87.0  | 106.9 | 125.2  |
| 1972 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 18.2  | 44.9  | 59.2  | 73.7   |
| 1973 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | 21.7  | 34.7  | 50.6   |
| 1974 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      |
| 1975 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —      |

TABLE A-4

Percentage change—annual contract award dollars, 1952-1975 (constant dollars)

|      | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963  | 1964 | 1965 | 1966 | 1967 | 1968  | 1969  | 1970  | 1971  | 1972  | 1973  | 1974  | 1975  |
|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1952 | —    | 23.2 | 20.3 | 21.7 | 51.1 | 30.0 | 46.6 | 38.4 | 43.0 | 62.7 | 67.9 | 104.6 | 69.4 | 60.8 | 68.6 | 80.8 | 141.1 | 132.7 | 163.3 | 176.8 | 232.1 | 267.9 | 302.7 | 267.9 |
| 1953 | —    | —    | —    | —    | 22.6 | 5.5  | 19.0 | 12.3 | 16.1 | 32.0 | 36.6 | 66.1  | 37.5 | 30.5 | 36.8 | 46.7 | 95.7  | 88.9  | 113.7 | 124.7 | 169.5 | 198.6 | 226.9 | 198.6 |
| 1954 | —    | —    | —    | —    | 25.6 | 8.1  | 21.9 | 15.1 | 18.9 | 35.3 | 39.6 | 70.2  | 40.9 | 33.7 | 40.2 | 50.4 | 100.5 | 93.5  | 118.9 | 130.2 | 176.1 | 206.0 | 234.9 | 206.0 |
| 1955 | —    | —    | —    | —    | 24.1 | 6.8  | 20.4 | 13.7 | 17.5 | 33.6 | 38.0 | 68.1  | 39.2 | 32.1 | 38.5 | 48.5 | 98.1  | 91.2  | 116.3 | 127.4 | 172.8 | 202.3 | 230.8 | 202.2 |
| 1956 | —    | —    | —    | —    | —    | 14.0 | —    | —    | —    | 7.7  | 11.2 | 35.5  | 12.2 | 6.4  | 11.6 | 19.7 | 59.6  | 54.1  | 74.3  | 83.2  | 119.8 | 143.6 | 166.6 | 143.6 |
| 1957 | —    | —    | —    | —    | —    | —    | 12.8 | 6.5  | 10.1 | 25.2 | 29.2 | 57.5  | 30.4 | 23.7 | 29.7 | 39.1 | 85.6  | 79.1  | 102.6 | 113.0 | 155.5 | 183.1 | 209.9 | 183.1 |
| 1958 | —    | —    | —    | —    | —    | —    | —    | —    | 2.4  | 10.9 | 14.5 | 39.5  | 15.5 | 9.6  | 15.0 | 23.3 | 64.4  | 58.7  | 79.6  | 88.8  | 126.4 | 150.9 | 174.7 | 150.9 |
| 1959 | —    | —    | —    | —    | —    | —    | —    | —    | 3.4  | 17.5 | 21.3 | 47.9  | 22.4 | 16.2 | 21.8 | 30.6 | 74.2  | 68.1  | 90.2  | 100.0 | 139.9 | 165.9 | 191.0 | 165.9 |
| 1960 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | 13.7 | 17.4 | 43.1 | 18.4 | 12.4  | 17.8  | 26.4  | 68.6  | 62.7  | 84.1  | 93.5  | 132.2 |
| 1961 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 3.2  | 25.8  | 4.2  | 1.2  | 3.6  | 11.2 | 48.2  | 43.1  | 61.9  | 70.2  | 104.2 | 126.2 | 147.6 | 126.2 |
| 1962 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 21.9  | 9    | 4.3  | 4    | 7.7  | 43.6  | 38.6  | 56.8  | 64.8  | 97.7  | 119.1 | 139.8 | 119.1 |
| 1963 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | 17.2 | 21.4 | 17.6 | 11.6 | 17.8  | 13.7  | 28.7  | 35.3  | 62.3  | 79.8  | 96.8  | 79.8  |
| 1964 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | 5.1  | 0.5  | 6.7  | 42.3  | 37.4  | 55.4  | 63.4  | 96.0  | 117.2 | 137.7 | 117.2 |
| 1965 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | 4.9  | 12.5 | 50.0  | 44.8  | 63.8  | 72.2  | 106.6 | 128.9 | 150.5 | 128.9 |
| 1966 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | 7.3  | 43.1  | 38.0  | 56.2  | 64.2  | 97.0  | 118.3 | 138.9 | 118.3 |
| 1967 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | 33.0  | 28.7  | 45.6  | 53.1  | 83.7  | 103.5 | 122.8 | 103.5 |
| 1968 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | —     | 3.5   | 9.2   | 14.8  | 37.7  | 52.6  | 67.0  | 52.6  |
| 1969 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | —     | —     | —     | 13.1  | 18.9  | 42.7  | 58.1  | 73.1  |
| 1970 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | —     | —     | —     | 5.1   | 26.1  | 39.7  | 53.0  | 39.7  |
| 1971 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | —     | —     | —     | —     | 20.0  | 32.9  | 45.5  | 32.9  |
| 1972 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | —     | —     | —     | —     | —     | 10.8  | 21.3  | 10.8  |
| 1973 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | 9.5   | 0     |
| 1974 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     |
| 1975 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     |

TABLE A-5

**Percentage change—distributed sewage treatment award dollars, 1952-1975 (current dollars)**

[illegible]

TABLE A-6

**Percentage change—distributed collecting sewers award dollars, 1952-1975 (current dollars)**

|      | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965  | 1966 | 1967 | 1968  | 1969  | 1970  | 1971  | 1972  | 1973  | 1974  | 1975  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1952 | —    | 27.1 | 8.4  | 33.8 | 35.6 | 9.8  | 37.8 | 49.3 | 59.6 | 68.9 | 42.2 | 80.0 | 76.0 | 58.2  | 77.3 | 99.1 | 158.7 | 204.0 | 228.0 | 199.6 | 232.0 | 327.6 | 376.9 | 431.6 |
| 1953 | —    | —    | 14.7 | 5.2  | 6.6  | 13.6 | 8.4  | 17.5 | 25.5 | 32.9 | 11.9 | 41.6 | 38.5 | 24.5  | 39.5 | 56.0 | 103.5 | 139.2 | 158.0 | 135.7 | 161.2 | 236.4 | 275.2 | 318.2 |
| 1954 | —    | —    | —    | 23.4 | 25.0 | 1.2  | 27.0 | 37.7 | 47.1 | 55.7 | 31.1 | 66.0 | 62.3 | 45.9  | 63.5 | 83.6 | 138.5 | 180.3 | 202.5 | 176.2 | 206.1 | 294.3 | 339.8 | 390.0 |
| 1955 | —    | —    | —    | —    | 1.3  | 17.9 | 3.0  | 11.6 | 19.2 | 26.2 | 6.3  | 34.5 | 31.5 | 18.2  | 32.6 | 48.8 | 93.4  | 127.2 | 145.2 | 123.9 | 148.2 | 219.6 | 256.5 | 297.3 |
| 1956 | —    | —    | —    | —    | —    | 19.0 | 1.6  | 10.2 | 17.7 | 24.6 | 5.0  | 32.8 | 29.8 | 16.7  | 30.8 | 46.9 | 90.8  | 124.3 | 141.9 | 121.0 | 144.9 | 215.4 | 251.8 | 292.1 |
| 1957 | —    | —    | —    | —    | —    | —    | 25.5 | 36.0 | 45.3 | 53.8 | 29.6 | 64.0 | 60.3 | 44.1  | 61.5 | 81.4 | 135.6 | 176.9 | 198.8 | 172.9 | 202.4 | 289.5 | 334.4 | 384.2 |
| 1958 | —    | —    | —    | —    | —    | —    | —    | 8.3  | 15.8 | 22.6 | 3.2  | 30.6 | 27.7 | 14.4  | 28.7 | 44.5 | 87.7  | 120.6 | 138.1 | 117.4 | 141.0 | 210.3 | 246.1 | 285.8 |
| 1959 | —    | —    | —    | —    | —    | —    | —    | —    | 6.8  | 13.1 | −4.8 | 20.5 | 17.8 | 6.0   | 18.8 | 33.3 | 73.2  | 103.6 | 119.6 | 100.6 | 122.3 | 186.3 | 219.3 | 256.0 |
| 1960 | —    | —    | —    | —    | —    | —    | —    | —    | —    | 5.8  | 10.9 | 12.8 | 10.3 | −8.4  | 11.1 | 24.8 | 62.1  | 90.5  | 105.6 | 87.7  | 108.1 | 168.0 | 198.9 | 233.1 |
| 1961 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 15.8 | 6.6  | 4.2  | −6.3  | 5.0  | 17.9 | 53.2  | 80.0  | 94.2  | 77.4  | 96.6  | 153.2 | 182.4 | 214.7 |
| 1962 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | 26.6 | 23.8 | 11.3  | 24.7 | 40.0 | 81.9  | 113.8 | 130.6 | 110.6 | 133.4 | 200.6 | 235.3 | 273.8 |
| 1963 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | −2.2 | −12.1 | −1.5 | 10.6 | 43.7  | 68.9  | 82.2  | 66.4  | 84.4  | 137.5 | 164.9 | 195.3 |
| 1964 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | −10.1 | 8    | 13.1 | 47.0  | 72.8  | 86.4  | 70.2  | 88.6  | 143.0 | 171.0 | 202.0 |
| 1965 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | 12.1 | 25.9 | 63.5  | 92.1  | 107.3 | 89.3  | 109.8 | 170.2 | 201.4 | 236.0 |
| 1966 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | 12.3 | 45.9  | 71.4  | 85.0  | 69.0  | 87.2  | 141.1 | 168.9 | 199.7 |
| 1967 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | 30.0  | 52.7  | 64.7  | 50.4  | 66.7  | 114.7 | 139.5 | 167.0 |
| 1968 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —     | 17.5  | —     | —     | —     | —     | —     | —     |
| 1969 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —     | —     | 7.9   | −1.5  | 9.2   | 40.6  | 56.9  | 74.9  |
| 1970 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —     | —     | —     | −8.7  | 1.2   | 30.3  | 45.4  | 62.1  |
| 1971 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —     | —     | —     | —     | 10.8  | —     | —     | —     |
| 1972 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —     | —     | —     | —     | —     | 28.8  | 43.6  | 60.1  |
| 1973 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —     | —     | —     | —     | —     | —     | 11.5  | 11.5  |
| 1974 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     |
| 1975 | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —    | —    | —     | —     | —     | —     | —     | —     | —     | —     |

TABLE A-7

Contract awards (distributed) by states for year 1975

| State                | Total         | Sewage Treatment | Collecting Sewers |
|----------------------|---------------|------------------|-------------------|
| Alabama              | 49,149,527    | 43,936,806       | 5,212,721         |
| Alaska               | 25,315,066    | 25,064,356       | 250,709           |
| Arizona              | 36,855,713    | 28,959,279       | 7,896,434         |
| Arkansas             | 29,836,240    | 22,189,627       | 7,646,613         |
| California           | 286,610,977   | 225,725,161      | 60,885,816        |
| Colorado             | 56,086,679    | 46,779,100       | 9,307,579         |
| Connecticut          | 60,280,868    | 18,986,006       | 41,294,862        |
| Delaware             | 34,365,859    | 22,236,841       | 12,129,018        |
| District of Columbia | 12,339,437    | 12,185,400       | 154,037           |
| Florida              | 256,272,768   | 207,155,453      | 49,117,315        |
| Georgia              | 48,737,589    | 24,098,818       | 24,638,771        |
| Hawaii               | 32,383,685    | 21,967,795       | 10,415,890        |
| Idaho                | 9,305,440     | 8,299,718        | 1,005,722         |
| Illinois             | 212,000,721   | 154,799,059      | 57,201,662        |
| Indiana              | 243,495,856   | 217,824,075      | 25,671,781        |
| Iowa                 | 49,475,432    | 41,270,581       | 8,204,851         |
| Kansas               | 26,519,272    | 17,479,676       | 9,039,596         |
| Kentucky             | 59,595,941    | 39,519,491       | 20,076,450        |
| Louisiana            | 39,073,300    | 21,566,385       | 17,506,915        |
| Maine                | 26,304,223    | 19,227,123       | 7,077,100         |
| Maryland             | 145,788,713   | 113,384,947      | 32,403,766        |
| Massachusetts        | 111,724,356   | 82,357,135       | 29,367,221        |
| Michigan             | 196,760,927   | 88,535,854       | 108,225,073       |
| Minnesota            | 153,427,609   | 111,695,845      | 41,731,764        |
| Mississippi          | 36,728,857    | 30,641,523       | 6,087,334         |
| Missouri             | 125,029,481   | 107,462,652      | 17,566,829        |
| Montana              | 5,204,806     | 4,466,112        | 738,694           |
| Nebraska             | 14,954,538    | 9,158,229        | 5,796,309         |
| Nevada               | 9,086,705     | 6,753,485        | 2,333,220         |
| New Hampshire        | 33,442,749    | 20,814,895       | 12,627,854        |
| New Jersey           | 199,525,828   | 161,765,422      | 37,760,406        |
| New Mexico           | 13,562,973    | 5,955,090        | 7,607,883         |
| New York             | 624,490,950   | 497,540,515      | 126,950,435       |
| North Carolina       | 50,945,367    | 27,709,692       | 23,238,675        |
| North Dakota         | 8,264,408     | 4,866,929        | 3,397,479         |
| Ohio                 | 164,148,350   | 93,088,881       | 71,059,649        |
| Oklahoma             | 26,809,067    | 21,837,189       | 4,971,878         |
| Oregon               | 22,064,390    | 14,996,304       | 7,068,086         |
| Pennsylvania         | 225,455,518   | 141,520,492      | 83,938,026        |
| Rhode Island         | 42,022,897    | 26,371,862       | 15,651,035        |
| South Carolina       | 9,480,904     | 3,517,498        | 5,963,406         |
| South Dakota         | 3,422,059     | 1,106,616        | 2,315,443         |
| Tennessee            | 64,542,766    | 35,302,657       | 29,240,109        |
| Texas                | 165,175,794   | 114,157,042      | 51,018,752        |
| Utah                 | 6,443,805     | 4,830,189        | 1,613,616         |
| Vermont              | 10,502,523    | 7,163,729        | 3,338,794         |
| Virginia             | 120,568,578   | 89,735,178       | 30,833,400        |
| Washington           | 73,662,964    | 54,997,412       | 18,665,552        |
| West Virginia        | 31,020,224    | 19,015,998       | 12,004,226        |
| Wisconsin            | 104,406,078   | 79,151,025       | 25,255,053        |
| Wyoming              | 7,724,173     | 5,450,258        | 2,273,915         |
| TOTALS               | 4,400,395,949 | 3,204,621,405    | 1,195,777,544     |

NOTE: The costs of the combination group were apportioned between sewage treatment facilities and collecting sewers in the same ratio as those for which such descriptions are available.

TABLE A-8

Contract awards by population size group, 1975

| Population Size Group | Total  |               | Sewage Treatment |               | Collecting Sewers |               | Combinations |             |
|-----------------------|--------|---------------|------------------|---------------|-------------------|---------------|--------------|-------------|
|                       | Number | Dollars       | Number           | Dollars       | Number            | Dollars       | Number       | Dollars     |
| Under 500             | 808    | 508,564,403   | 199              | 337,148,166   | 469               | 94,931,418    | 140          | 76,484,819  |
| 500-999               | 309    | 131,851,782   | 103              | 74,566,932    | 147               | 32,948,597    | 59           | 24,336,253  |
| 1,000-2,499           | 520    | 193,360,988   | 143              | 104,782,165   | 294               | 57,149,318    | 83           | 31,429,505  |
| 2,500-4,999           | 493    | 208,751,806   | 115              | 109,898,756   | 307               | 56,605,535    | 71           | 42,247,515  |
| 5,000-9,999           | 748    | 366,842,753   | 164              | 212,369,678   | 473               | 118,854,503   | 111          | 35,618,572  |
| 10,000-24,999         | 946    | 537,090,113   | 187              | 300,641,418   | 658               | 206,948,921   | 101          | 29,499,774  |
| 25,000-49,999         | 631    | 396,269,960   | 118              | 242,316,300   | 442               | 92,424,976    | 71           | 61,528,684  |
| 50,000-99,999         | 508    | 516,445,593   | 114              | 394,226,575   | 350               | 99,762,801    | 44           | 22,456,217  |
| 100,000-249,999       | 475    | 651,048,383   | 108              | 515,256,746   | 311               | 93,423,031    | 56           | 42,368,606  |
| Over 250,000          | 819    | 890,173,216   | 143              | 634,200,920   | 578               | 162,482,358   | 98           | 93,489,938  |
| TOTALS                | 6,257  | 4,400,398,997 | 1,394            | 2,925,407,656 | 4,029             | 1,015,531,458 | 834          | 459,459,883 |

TABLE A-9

Contract awards by size of contract, 1975

| Dollar Size Group   | Total  |               | Sewage Treatment |               | Collecting Sewers |               | Combinations |             |
|---------------------|--------|---------------|------------------|---------------|-------------------|---------------|--------------|-------------|
|                     | Number | Dollars       | Number           | Dollars       | Number            | Dollars       | Number       | Dollars     |
| Under 10,000        | 600    | 3,712,107     | 43               | 275,635       | 527               | 3,220,576     | 30           | 215,896     |
| 10,000-25,000       | 805    | 13,612,850    | 63               | 1,045,883     | 685               | 11,561,676    | 57           | 1,005,291   |
| 25,000-49,999       | 845    | 30,860,255    | 100              | 3,675,308     | 636               | 23,093,734    | 109          | 4,091,213   |
| 50,000-99,999       | 925    | 66,961,599    | 127              | 9,485,193     | 668               | 48,299,165    | 130          | 9,177,241   |
| 100,000-249,999     | 1,104  | 178,785,131   | 249              | 41,818,330    | 686               | 109,836,679   | 169          | 27,130,122  |
| 250,000-499,999     | 694    | 248,028,286   | 195              | 70,850,415    | 358               | 126,847,660   | 141          | 50,330,211  |
| 500,000-999,999     | 565    | 391,948,712   | 195              | 135,745,649   | 265               | 185,506,741   | 105          | 70,696,322  |
| 1,000,000-4,999,999 | 553    | 1,172,804,884 | 287              | 667,545,951   | 181               | 345,894,529   | 85           | 159,364,404 |
| Over 5,000,000      | 166    | 2,293,685,173 | 135              | 1,994,965,292 | 23                | 161,270,698   | 8            | 137,449,183 |
| TOTALS              | 6,257  | 4,400,398,997 | 1,394            | 2,925,407,656 | 4,029             | 1,015,531,458 | 834          | 459,459,883 |

TABLE A-10

Annual contract awards for 1971-1975, by state

| State                | 1971   |               | 1972   |               | 1973   |               | 1974   |               | 1975   |               |
|----------------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|
|                      | Number | Amount        | Number | Amount        | Number | Amount        | Number | Amount        | Number | Amount        |
| Alabama              | 33     | 8,359,444     | 32     | 16,971,767    | 69     | 21,606,768    | 59     | 27,624,065    | 38     | 49,149,528    |
| Alaska               | 28     | 8,393,568     | 22     | 13,379,792    | 16     | 19,706,675    | 16     | 15,547,604    | 7      | 25,315,065    |
| Arizona              | 33     | 3,366,658     | 39     | 10,096,608    | 60     | 28,881,164    | 46     | 24,567,190    | 48     | 36,855,714    |
| Arkansas             | 33     | 7,875,893     | 39     | 9,582,374     | 48     | 18,122,253    | 61     | 27,440,554    | 54     | 29,836,241    |
| California           | 350    | 121,079,365   | 277    | 68,271,938    | 418    | 225,589,282   | 437    | 312,006,890   | 408    | 286,610,978   |
| Colorado             | 3      | 518,820       | 40     | 8,593,019     | 62     | 18,143,742    | 65     | 54,202,088    | 69     | 56,086,680    |
| Connecticut          | 114    | 107,167,852   | 114    | 56,810,121    | 164    | 85,445,278    | 137    | 57,908,924    | 178    | 60,280,869    |
| Delaware             | 18     | 12,277,951    | 10     | 10,446,992    | 27     | 9,733,342     | 25     | 11,413,620    | 45     | 34,365,860    |
| District of Columbia | 3      | 15,417,971    | 4      | 16,826,194    | 7      | 7,128,602     | 6      | 85,493,813    | 7      | 12,339,437    |
| Florida              | 132    | 42,083,381    | 161    | 66,271,376    | 224    | 128,101,602   | 226    | 246,629,573   | 205    | 256,272,769   |
| Georgia              | 112    | 73,116,706    | 117    | 81,364,697    | 130    | 78,505,799    | 115    | 68,081,725    | 118    | 48,737,590    |
| Hawaii               |        |               | 7      | 912,000       | 19     | 39,555,000    | 16     | 25,754,000    | 24     | 32,383,686    |
| Idaho                | 20     | 3,123,169     | 10     | 5,596,012     | 15     | 12,836,148    | 18     | 12,075,015    | 10     | 9,305,441     |
| Illinois             | 223    | 126,954,138   | 228    | 142,612,786   | 295    | 172,369,607   | 261    | 174,840,298   | 280    | 212,000,722   |
| Indiana              | 133    | 56,341,866    | 119    | 46,700,653    | 137    | 66,268,380    | 113    | 76,724,752    | 152    | 243,495,857   |
| Iowa                 | 135    | 19,864,221    | 136    | 27,360,902    | 160    | 28,370,277    | 168    | 77,949,553    | 138    | 49,475,433    |
| Kansas               | 103    | 10,534,217    | 122    | 13,231,635    | 109    | 8,590,745     | 135    | 23,734,849    | 133    | 26,519,273    |
| Kentucky             | 56     | 16,547,091    | 58     | 71,996,649    | 80     | 16,998,382    | 86     | 55,231,896    | 73     | 59,595,942    |
| Louisiana            | 82     | 10,808,608    | 69     | 9,999,169     | 115    | 50,181,372    | 130    | 64,893,462    | 86     | 39,073,301    |
| Maine                | 41     | 22,587,441    | 43     | 19,933,438    | 39     | 37,469,810    | 50     | 26,159,600    | 55     | 26,304,224    |
| Maryland             | 392    | 39,971,987    | 295    | 39,328,913    | 356    | 133,561,951   | 285    | 87,415,164    | 247    | 145,788,714   |
| Massachusetts        | 173    | 59,256,836    | 129    | 34,765,889    | 192    | 180,675,051   | 163    | 100,007,109   | 164    | 111,724,357   |
| Michigan             | 309    | 195,103,445   | 305    | 240,937,340   | 286    | 60,684,476    | 284    | 235,206,312   | 233    | 196,760,928   |
| Minnesota            | 248    | 57,364,781    | 247    | 50,807,147    | 326    | 56,692,427    | 307    | 157,784,174   | 277    | 153,427,610   |
| Mississippi          | 43     | 26,689,464    | 50     | 13,089,449    | 42     | 32,409,771    | 47     | 11,219,786    | 56     | 36,728,858    |
| Missouri             | 122    | 13,485,611    | 116    | 21,364,185    | 141    | 40,175,975    | 136    | 59,499,896    | 138    | 125,029,482   |
| Montana              | 8      | 1,769,158     | 8      | 923,570       | 9      | 11,601,592    | 18     | 17,437,131    | 9      | 5,204,807     |
| Nebraska             | 95     | 20,877,802    | 136    | 15,953,042    | 153    | 15,717,772    | 146    | 53,753,496    | 114    | 14,954,539    |
| Nevada               | 4      | 165,258       | 6      | 933,619       | 14     | 9,295,674     | 15     | 2,594,354     | 16     | 9,086,706     |
| New Hampshire        | 24     | 10,381,029    | 27     | 24,007,667    | 8      | 23,093,938    | 22     | 16,914,331    | 35     | 33,442,750    |
| New Jersey           | 159    | 51,046,499    | 159    | 48,723,164    | 190    | 60,703,614    | 217    | 354,564,060   | 182    | 199,525,829   |
| New Mexico           | 19     | 2,989,657     | 16     | 7,416,449     | 15     | 16,918,644    | 12     | 1,777,879     | 24     | 13,562,974    |
| New York             | 273    | 378,221,948   | 263    | 962,748,817   | 329    | 526,210,996   | 308    | 251,829,436   | 342    | 624,490,951   |
| North Carolina       | 104    | 33,687,403    | 108    | 44,086,803    | 88     | 33,673,840    | 108    | 70,273,026    | 129    | 50,948,368    |
| North Dakota         | 34     | 1,218,673     | 42     | 6,482,382     | 64     | 5,657,239     | 60     | 6,183,993     | 54     | 8,264,409     |
| Ohio                 | 293    | 118,621,128   | 221    | 65,781,692    | 343    | 214,864,039   | 318    | 194,448,754   | 287    | 164,148,351   |
| Oklahoma             | 62     | 13,211,661    | 63     | 15,788,056    | 67     | 15,833,666    | 76     | 31,856,722    | 51     | 26,809,068    |
| Oregon               | 95     | 32,252,914    | 80     | 26,479,973    | 62     | 33,397,822    | 81     | 49,447,004    | 77     | 22,064,391    |
| Pennsylvania         | 336    | 128,356,747   | 270    | 116,444,380   | 343    | 155,604,324   | 333    | 187,169,174   | 358    | 225,458,519   |
| Rhode Island         | 15     | 5,257,533     | 16     | 4,091,259     | 28     | 24,039,010    | 21     | 17,762,473    | 31     | 42,022,898    |
| South Carolina       | 28     | 15,056,142    | 47     | 25,721,159    | 45     | 26,896,988    | 47     | 35,046,284    | 46     | 9,480,905     |
| South Dakota         | 26     | 2,149,626     | 26     | 2,276,219     | 31     | 6,055,734     | 43     | 3,797,310     | 45     | 3,422,060     |
| Tennessee            | 78     | 52,900,295    | 86     | 39,140,438    | 147    | 72,270,885    | 106    | 62,596,216    | 97     | 64,542,767    |
| Texas                | 319    | 60,611,362    | 341    | 98,860,324    | 432    | 146,385,432   | 373    | 180,674,948   | 372    | 165,175,795   |
| Utah                 |        |               | 6      | 1,266,633     | 24     | 8,705,160     | 6      | 4,443,407     | 9      | 6,443,805     |
| Vermont              | 10     | 2,075,451     | 21     | 9,370,375     | 11     | 5,000,594     | 9      | 4,247,491     | 17     | 10,502,524    |
| Virginia             | 95     | 26,300,199    | 114    | 24,120,802    | 200    | 137,585,899   | 212    | 147,971,097   | 216    | 120,568,579   |
| Washington           | 98     | 29,682,399    | 118    | 44,303,677    | 97     | 37,305,441    | 105    | 54,074,934    | 79     | 73,662,965    |
| West Virginia        | 17     | 4,792,647     | 9      | 1,545,916     | 16     | 6,807,600     | 23     | 10,484,819    | 36     | 31,020,225    |
| Wisconsin            | 429    | 77,223,619    | 344    | 77,549,205    | 392    | 96,383,556    | 375    | 94,232,334    | 378    | 104,406,079   |
| Wyoming              | 1      | 28,216        | 5      | 2,178,232     | 3      | 426,161       | 3      | 3,746,645     | 10     | 7,724,174     |
| TOTALS               | 5,561  | 2,127,167,850 | 5,321  | 2,763,444,898 | 6,648  | 3,267,239,499 | 6,429  | 3,976,740,230 | 6,257  | 4,400,398,997 |

TABLE A-11

Annual contract awards for 1971-1975, by basin

| Contract Basin                  | 1971   |               | 1972   |               | 1973   |               | 1974   |               | 1975   |               |
|---------------------------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|
|                                 | Number | Amount        | Number | Amount        | Number | Amount        | Number | Amount        | Number | Amount        |
| Northeast                       | 752    | 603,002,883   | 710    | 1,141,593,522 | 887    | 923,867,543   | 881    | 812,237,631   | 930    | 1,067,126,672 |
| North Atlantic                  | 770    | 195,703,807   | 635    | 194,908,490   | 843    | 373,846,620   | 751    | 469,646,045   | 789    | 517,045,982   |
| Southeast                       | 438    | 189,088,621   | 503    | 244,032,950   | 576    | 344,526,710   | 586    | 457,655,685   | 575    | 438,613,142   |
| Tennessee River                 | 46     | 29,733,824    | 41     | 19,364,925    | 74     | 46,336,963    | 51     | 30,259,555    | 57     | 44,118,355    |
| Ohio River                      | 482    | 191,577,932   | 399    | 177,731,960   | 598    | 276,125,760   | 536    | 323,656,443   | 524    | 432,044,703   |
| Lake Erie                       | 146    | 67,858,70     | 161    | 55,963,017    | 258    | 105,128,254   | 287    | 211,417,552   | 276    | 216,216,343   |
| Upper Mississippi               | 760    | 220,031,911   | 753    | 228,587,799   | 953    | 278,914,829   | 885    | 387,956,236   | 844    | 389,547,460   |
| *Western Great Lakes            | 605    | 260,892,958   | 502    | 302,468,139   | 469    | 140,204,948   | 429    | 251,991,793   | 411    | 250,201,189   |
| Lake Michigan                   | 605    | 260,892,958   | 486    | 276,213,662   | 379    | 117,588,195   | 342    | 132,807,379   | 355    | 187,456,449   |
| Lake Huron                      |        |               | 15     | 26,234,879    | 64     | 17,131,478    | 63     | 67,870,424    | 40     | 10,583,809    |
| Lake Superior                   |        |               | 1      | 19,598        | 26     | 5,485,275     | 24     | 51,313,990    | 16     | 52,160,931    |
| Missouri                        | 285    | 41,170,402    | 369    | 67,697,580    | 408    | 75,557,230    | 447    | 193,694,124   | 410    | 205,576,509   |
| South Central Lower Mississippi | 325    | 71,111,717    | 337    | 56,392,608    | 406    | 122,284,321   | 448    | 152,700,782   | 370    | 156,733,620   |
| Colorado River                  | 42     | 4,227,499     | 55     | 13,519,111    | 91     | 38,619,487    | 81     | 29,948,213    | 83     | 53,106,985    |
| Western Gulf                    | 317    | 58,147,750    | 330    | 99,741,934    | 427    | 154,492,584   | 362    | 181,151,136   | 369    | 170,195,253   |
| Pacific Northwest               | 216    | 65,218,346    | 212    | 76,842,927    | 174    | 85,037,988    | 206    | 115,834,426   | 166    | 105,032,797   |
| California                      | 335    | 116,857,785   | 258    | 62,203,176    | 389    | 216,656,816   | 419    | 308,108,702   | 392    | 262,059,189   |
| Great Basin                     | 14     | 4,149,877     | 27     | 8,104,968     | 60     | 26,377,771    | 28     | 9,180,303     | 30     | 35,082,047    |
| Alaska                          | 28     | 8,393,568     | 22     | 13,379,792    | 16     | 19,706,675    | 16     | 15,547,604    | 7      | 25,315,065    |
| Hawaii                          |        |               | 7      | 912,000       | 19     | 39,555,000    | 16     | 25,754,000    | 24     | 32,383,686    |
| TOTALS                          | 5,561  | 2,127,167,850 | 5,321  | 2,763,444,898 | 6,648  | 3,267,239,499 | 6,429  | 3,976,740,230 | 6,257  | 4,400,398,997 |

\*Aggregate of Lakes Michigan, Huron, and Superior.

TABLE A-12

Percentage change in total contract awards by state, 1971-1975

**Alabama**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +03.0 | +58.5 | +30.5 | +88.0 |
| 1972 |      | —     | +27.3 | +62.8 | +89.6 |
| 1973 |      |       | —     | +27.8 | +27.5 |
| 1974 |      |       |       | —     | +77.9 |
| 1975 |      |       |       |       | —     |

**Alaska**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +59.4 | +34.8 | +85.2 | +01.6 |
| 1972 |      | —     | +47.3 | +16.2 | +89.2 |
| 1973 |      |       | —     | -21.0 | +28.5 |
| 1974 |      |       |       | —     | +62.8 |
| 1975 |      |       |       |       | —     |

**Arizona**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +99.9 | +57.9 | +29.7 | +94.7 |
| 1972 |      | —     | +86.0 | +43.3 | +65.0 |
| 1973 |      |       | —     | 14.8  | +27.6 |
| 1974 |      |       |       | —     | +50.0 |
| 1975 |      |       |       |       | —     |

**Arkansas**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +21.7 | +30.1 | +48.4 | +78.8 |
| 1972 |      | —     | +89.1 | +86.4 | +11.4 |
| 1973 |      |       | —     | +51.4 | +64.6 |
| 1974 |      |       |       | —     | +8.7  |
| 1975 |      |       |       |       | —     |

**California**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -43.5 | +86.3 | +57.7 | +36.7 |
| 1972 |      | —     | +30.4 | +57.0 | +19.8 |
| 1973 |      |       | —     | +38.3 | +27.0 |
| 1974 |      |       |       | —     | -8.0  |
| 1975 |      |       |       |       | —     |

**Colorado**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +56.3 | +97.1 | +47.2 | +10.4 |
| 1972 |      | —     | +11.1 | +30.8 | +52.7 |
| 1973 |      |       | —     | +98.7 | +09.1 |
| 1974 |      |       |       | —     | 3.5   |
| 1975 |      |       |       |       | —     |

**Connecticut**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -46.9 | -20.2 | -45.9 | -43.7 |
| 1972 |      | —     | +50.4 | +1.9  | +6.1  |
| 1973 |      |       | —     | -32.1 | -29.4 |
| 1974 |      |       |       | —     | +4.1  |
| 1975 |      |       |       |       | —     |

**Delaware**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | 14.8 | -20.6 | -6.9  | +79.9 |
| 1972 |      | —    | -6.7  | +9.3  | +29.0 |
| 1973 |      |      | —     | +17.3 | +53.1 |
| 1974 |      |      |       | —     | +01.1 |
| 1975 |      |      |       |       | —     |

**District of Columbia**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | +9.1 | -53.7 | +54.5 | -19.9 |
| 1972 |      | —    | -57.5 | +08.1 | -26.6 |
| 1973 |      |      | —     | +99.3 | +73.1 |
| 1974 |      |      |       | —     | -85.5 |
| 1975 |      |      |       |       | —     |

**Florida**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +57.5 | +04.4 | +86.0 | +09.0 |
| 1972 |      | —     | +93.3 | +72.2 | +86.7 |
| 1973 |      |       | —     | +92.5 | +00.1 |
| 1974 |      |       |       | —     | +3.9  |
| 1975 |      |       |       |       | —     |

**Georgia**

|      | 1971 | 1972  | 1973 | 1974  | 1975  |
|------|------|-------|------|-------|-------|
| 1971 | —    | +11.3 | +7.4 | -6.8  | -33.2 |
| 1972 |      | —     | -3.4 | -16.2 | -40.0 |
| 1973 |      |       | —    | -13.2 | -37.8 |
| 1974 |      |       |      | —     | -28.3 |
| 1975 |      |       |      |       | —     |

**Hawaii**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | +0.0 | +0.0  | +0.0  | +0.0  |
| 1972 |      | —    | +37.2 | +23.9 | +50.8 |
| 1973 |      |      | —     | -34.8 | -18.0 |
| 1974 |      |      |       | —     | +25.7 |
| 1975 |      |      |       |       | —     |

TABLE A-12—Continued

Percentage change in total contract awards by state, 1971-1975 (continued)

**Idaho**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +79.2 | +11.0 | +86.6 | +97.9 |
| 1972 |      | —     | +29.4 | +15.8 | +66.3 |
| 1973 |      |       | —     | -5.8  | -27.4 |
| 1974 |      |       |       | —     | -22.8 |
| 1975 |      |       |       |       | —     |

**Illinois**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +12.3 | +35.8 | +37.7 | +67.0 |
| 1972 |      | —     | +20.9 | +22.6 | +48.7 |
| 1973 |      |       | —     | +1.4  | +23.0 |
| 1974 |      |       |       | —     | +21.3 |
| 1975 |      |       |       |       | —     |

**Indiana**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -17.0 | +17.6 | +36.2 | +32.2 |
| 1972 |      | —     | +41.9 | +64.3 | +21.4 |
| 1973 |      |       | —     | +15.8 | +67.4 |
| 1974 |      |       |       | —     | +17.4 |
| 1975 |      |       |       |       | —     |

**Iowa**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +37.7 | +42.8 | +92.4 | +49.1 |
| 1972 |      | —     | +3.7  | +84.9 | +80.8 |
| 1973 |      |       | —     | +74.8 | +74.4 |
| 1974 |      |       |       | —     | +36.4 |
| 1975 |      |       |       |       | —     |

**Kansas**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +25.6 | -18.3 | +25.3 | +51.7 |
| 1972 |      | —     | -35.0 | +79.4 | +00.4 |
| 1973 |      |       | —     | +76.3 | +08.7 |
| 1974 |      |       |       | —     | +11.7 |
| 1975 |      |       |       |       | —     |

**Kentucky**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +35.1 | +2.7  | +33.8 | +60.2 |
| 1972 |      | —     | -76.3 | -23.2 | -17.1 |
| 1973 |      |       | —     | +24.9 | +50.6 |
| 1974 |      |       |       | —     | +7.9  |
| 1975 |      |       |       |       | —     |

**Louisiana**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | -7.4 | +64.3 | +00.4 | +61.5 |
| 1972 |      | —    | +01.9 | +49.0 | +90.8 |
| 1973 |      |      | —     | +29.3 | -22.0 |
| 1974 |      |      |       | —     | -39.7 |
| 1975 |      |      |       |       | —     |

**Maine**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -11.6 | +65.9 | +15.8 | +16.5 |
| 1972 |      | —     | +88.0 | 31.2  | +32.0 |
| 1973 |      |       | —     | -30.1 | -29.7 |
| 1974 |      |       |       | —     | +0.6  |
| 1975 |      |       |       |       | —     |

**Maryland**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | -1.5 | +34.1 | +18.7 | +64.7 |
| 1972 |      | —    | +39.6 | +22.3 | +70.7 |
| 1973 |      |      | —     | -34.5 | +9.2  |
| 1974 |      |      |       | —     | +66.8 |
| 1975 |      |      |       |       | —     |

**Massachusetts**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -41.2 | +04.9 | +68.8 | +88.5 |
| 1972 |      | —     | +19.7 | +87.7 | +21.4 |
| 1973 |      |       | —     | -44.5 | -38.1 |
| 1974 |      |       |       | —     | +11.7 |
| 1975 |      |       |       |       | —     |

**Michigan**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +23.5 | -68.8 | +20.6 | +0.8  |
| 1972 |      | —     | -74.7 | -2.3  | -18.2 |
| 1973 |      |       | —     | +87.6 | +24.2 |
| 1974 |      |       |       | —     | -16.2 |
| 1975 |      |       |       |       | —     |

**Minnesota**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -11.3 | -1.1  | +75.1 | +67.5 |
| 1972 |      | —     | +11.6 | +10.6 | +02.0 |
| 1973 |      |       | —     | +78.3 | +70.6 |
| 1974 |      |       |       | —     | -2.7  |
| 1975 |      |       |       |       | —     |

TABLE A-12—Continued

Percentage change in total contract awards by state, 1971-1975 (continued)

**Mississippi**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -50.9 | +21.4 | -57.9 | +37.6 |
| 1972 |      | —     | +47.6 | 14.2  | -80.6 |
| 1973 |      |       | —     | -65.3 | +13.3 |
| 1974 |      |       |       | —     | +27.4 |
| 1975 |      |       |       |       | —     |

**Missouri**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +58.4 | +97.9 | +41.2 | -27.1 |
| 1972 |      | —     | +88.1 | -78.5 | -85.2 |
| 1973 |      |       | —     | +48.1 | -11.2 |
| 1974 |      |       |       | —     | +10.1 |
| 1975 |      |       |       |       | —     |

**Montana**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -47.7 | +55.8 | -85.6 | +94.2 |
| 1972 |      | —     | +56.2 | -88.0 | +63.6 |
| 1973 |      |       | —     | +50.3 | -55.0 |
| 1974 |      |       |       | —     | -70.1 |
| 1975 |      |       |       |       | —     |

**Nebraska**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -23.5 | -24.6 | +57.5 | -28.3 |
| 1972 |      | —     | -1.4  | +36.9 | 6.2   |
| 1973 |      |       | —     | +42.0 | -4.8  |
| 1974 |      |       |       | —     | -72.1 |
| 1975 |      |       |       |       | —     |

**Nevada**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +64.9 | +24.9 | +69.9 | -98.5 |
| 1972 |      | —     | +95.7 | -77.9 | -73.3 |
| 1973 |      |       | —     | -72.0 | 2.1   |
| 1974 |      |       |       | —     | +50.2 |
| 1975 |      |       |       |       | —     |

**New Hampshire**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +31.3 | +22.5 | +62.9 | +22.2 |
| 1972 |      | —     | -3.7  | -29.4 | +39.3 |
| 1973 |      |       | —     | -26.7 | +44.8 |
| 1974 |      |       |       | —     | +97.7 |
| 1975 |      |       |       |       | —     |

**New Jersey**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | -4.5 | +18.9 | +94.6 | +90.9 |
| 1972 |      | —    | +24.6 | +27.7 | +09.5 |
| 1973 |      |      | —     | +84.1 | +28.7 |
| 1974 |      |      |       | —     | -43.6 |
| 1975 |      |      |       |       | —     |

**New Mexico**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +48.1 | +65.9 | -40.4 | +53.7 |
| 1972 |      | —     | +28.1 | -75.9 | +82.9 |
| 1973 |      |       | —     | -89.4 | -19.7 |
| 1974 |      |       |       | —     | +62.9 |
| 1975 |      |       |       |       | —     |

**New York**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +54.5 | +39.1 | 33.3  | +65.1 |
| 1972 |      | —     | -45.2 | -73.7 | -35.0 |
| 1973 |      |       | —     | -52.0 | +18.7 |
| 1974 |      |       |       | —     | +48.0 |
| 1975 |      |       |       |       | —     |

**North Carolina**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +30.9 | +0.0  | +08.6 | +51.2 |
| 1972 |      | —     | -23.5 | +59.4 | +15.6 |
| 1973 |      |       | —     | +08.7 | +51.3 |
| 1974 |      |       |       | —     | -27.4 |
| 1975 |      |       |       |       | —     |

**North Dakota**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -31.9 | +64.2 | +07.4 | +78.1 |
| 1972 |      | —     | -12.6 | 4.5   | +27.5 |
| 1973 |      |       | —     | +9.3  | +46.1 |
| 1974 |      |       |       | —     | +33.6 |
| 1975 |      |       |       |       | —     |

**Ohio**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -44.4 | +81.1 | +63.9 | +38.4 |
| 1972 |      | —     | -26.6 | +95.6 | +49.5 |
| 1973 |      |       | —     | -9.4  | -23.5 |
| 1974 |      |       |       | —     | -15.5 |
| 1975 |      |       |       |       | —     |

TABLE A-12—Continued

Percentage change in total contract awards by state, 1971–1975 (continued)

**Oklahoma**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +19.5 | +19.8 | +41.1 | +02.9 |
| 1972 |      | —     | +0.3  | +01.8 | +69.8 |
| 1973 |      |       | —     | +01.2 | +69.3 |
| 1974 |      |       |       | —     | -15.7 |
| 1975 |      |       |       |       | —     |

**Oregon**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -17.8 | +3.5  | +53.3 | -31.5 |
| 1972 |      | —     | +26.1 | +86.7 | -16.6 |
| 1973 |      |       | —     | +48.1 | -33.8 |
| 1974 |      |       |       | —     | -55.3 |
| 1975 |      |       |       |       | —     |

**Pennsylvania**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | -9.2 | +21.2 | +45.8 | +75.6 |
| 1972 |      | —    | +33.6 | +60.7 | +93.6 |
| 1973 |      |      | —     | +20.3 | +44.9 |
| 1974 |      |      |       | —     | +20.5 |
| 1975 |      |      |       |       | —     |

**Rhode Island**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -22.1 | +57.2 | +37.8 | +99.3 |
| 1972 |      | —     | +87.6 | +34.2 | +27.1 |
| 1973 |      |       | —     | 26.0  | +74.8 |
| 1974 |      |       |       | —     | +36.6 |
| 1975 |      |       |       |       | —     |

**South Carolina**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +70.8 | +78.6 | +32.8 | -36.9 |
| 1972 |      | —     | +4.6  | +36.3 | -63.0 |
| 1973 |      |       | —     | +30.3 | -64.7 |
| 1974 |      |       |       | —     | -72.8 |
| 1975 |      |       |       |       | —     |

**South Dakota**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | +5.9 | +35.2 | +76.6 | +59.2 |
| 1972 |      | —    | +22.1 | +66.8 | +50.3 |
| 1973 |      |      | —     | -24.8 | -32.2 |
| 1974 |      |      |       | —     | -9.8  |
| 1975 |      |      |       |       | —     |

**Tennessee**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -25.9 | +36.6 | +18.3 | +22.0 |
| 1972 |      | —     | +84.6 | +59.9 | +64.9 |
| 1973 |      |       | —     | -13.3 | -10.6 |
| 1974 |      |       |       | —     | +3.1  |
| 1975 |      |       |       |       | —     |

**Texas**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +63.1 | +41.5 | +98.1 | +72.5 |
| 1972 |      | —     | +48.1 | +82.8 | +67.1 |
| 1973 |      |       | —     | +23.4 | +12.8 |
| 1974 |      |       |       | —     | -8.5  |
| 1975 |      |       |       |       | —     |

**Utah**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | +0.0 | +0.0  | +0.0  | +0.0  |
| 1972 |      | —    | +87.3 | +50.8 | +08.7 |
| 1973 |      |      | —     | -48.9 | -25.9 |
| 1974 |      |      |       | —     | +45.0 |
| 1975 |      |      |       |       | —     |

**Vermont**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +51.5 | +40.9 | +04.7 | +06.0 |
| 1972 |      | —     | -46.5 | -54.6 | +12.1 |
| 1973 |      |       | —     | -15.0 | +10.0 |
| 1974 |      |       |       | —     | +47.3 |
| 1975 |      |       |       |       | —     |

**Virginia**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | -8.2 | +23.1 | +62.6 | +58.4 |
| 1972 |      | —    | +70.4 | +13.5 | +99.9 |
| 1973 |      |      | —     | +7.5  | -12.3 |
| 1974 |      |      |       | —     | -18.4 |
| 1975 |      |      |       |       | —     |

**Washington**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +49.3 | +25.7 | +82.2 | +48.2 |
| 1972 |      | —     | -15.7 | +22.1 | +66.3 |
| 1973 |      |       | —     | +45.0 | +97.5 |
| 1974 |      |       |       | —     | +36.2 |
| 1975 |      |       |       |       | —     |

**West Virginia**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | 67.6 | +42.0 | +18.8 | +47.2 |
| 1972 |      | —    | +40.4 | +78.2 | +06.6 |
| 1973 |      |      | —     | +54.0 | +55.7 |
| 1974 |      |      |       | —     | +95.9 |
| 1975 |      |      |       |       | —     |

**Wisconsin**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | +0.4 | +24.8 | +22.0 | +35.2 |
| 1972 |      | —    | +24.3 | +21.5 | +34.6 |
| 1973 |      |      | —     | 2.1   | +8.3  |
| 1974 |      |      |       | —     | +10.8 |
| 1975 |      |      |       |       | —     |

**Wyoming**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +19.8 | +10.4 | +78.4 | +75.2 |
| 1972 |      | —     | 80.3  | +72.0 | +54.6 |
| 1973 |      |       | —     | +79.2 | +12.5 |
| 1974 |      |       |       | —     | +06.2 |
| 1975 |      |       |       |       | —     |

TABLE A-13

Percentage change in total contract awards by major basin, 1971-1975

**Alaska**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +59.4 | +34.8 | +85.2 | +01.6 |
| 1972 | —    | —     | +47.3 | +16.2 | +89.2 |
| 1973 | —    | —     | —     | -21.0 | +28.5 |
| 1974 | —    | —     | —     | —     | +62.8 |
| 1975 | —    | —     | —     | —     | —     |

**California**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | 46.7 | +85.4 | +63.7 | +24.3 |
| 1972 | —    | —    | +48.3 | +95.3 | +21.3 |
| 1973 | —    | —    | —     | +42.2 | +21.0 |
| 1974 | —    | —    | —     | —     | -14.8 |
| 1975 | —    | —    | —     | —     | —     |

**Colorado River**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -19.8 | +13.5 | +08.4 | +56.2 |
| 1972 | —    | —     | +85.7 | +21.5 | +92.8 |
| 1973 | —    | —     | —     | 22.4  | +37.5 |
| 1974 | —    | —     | —     | —     | +77.3 |
| 1975 | —    | —     | —     | —     | —     |

**Great Basin**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +95.3 | +35.6 | +21.2 | +45.4 |
| 1972 | —    | —     | +25.5 | +13.3 | +32.8 |
| 1973 | —    | —     | —     | -65.1 | +33.0 |
| 1974 | —    | —     | —     | —     | +82.1 |
| 1975 | —    | —     | —     | —     | —     |

**Hawaii**

|      | 1971 | 1972 | 1973  | 1974 | 1975  |
|------|------|------|-------|------|-------|
| 1971 | —    | +0.0 | +0.0  | +0.0 | +0.0  |
| 1972 | —    | —    | +37.2 | 23.9 | +50.8 |
| 1973 | —    | —    | —     | 34.8 | -18.0 |
| 1974 | —    | —    | —     | —    | +25.7 |
| 1975 | —    | —    | —     | —    | —     |

**Lake Erie**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -17.4 | +54.9 | +11.6 | +18.6 |
| 1972 | —    | —     | +87.9 | +77.8 | +86.4 |
| 1973 | —    | —     | —     | +01.1 | +05.7 |
| 1974 | —    | —     | —     | —     | +2.3  |
| 1975 | —    | —     | —     | —     | —     |

**Lake Huron**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | -0.0 | +0.0  | +0.0  | +0.0  |
| 1972 | —    | —    | -34.6 | +58.7 | -59.6 |
| 1973 | —    | —    | —     | +96.2 | 38.1  |
| 1974 | —    | —    | —     | —     | -84.3 |
| 1975 | —    | —    | —     | —     | —     |

**Lake Michigan**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | +5.9 | -54.8 | -49.0 | -28.0 |
| 1972 | —    | —    | 57.3  | -51.8 | -32.0 |
| 1973 | —    | —    | —     | +12.9 | +59.4 |
| 1974 | —    | —    | —     | —     | +41.1 |
| 1975 | —    | —    | —     | —     | —     |

**Lake Superior**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | +0.0 | +0.0  | +0.0  | +0.0  |
| 1972 | —    | —    | +89.0 | +32.8 | +54.4 |
| 1973 | —    | —    | —     | +35.5 | -50.9 |
| 1974 | —    | —    | —     | —     | +1.7  |
| 1975 | —    | —    | —     | —     | —     |

**Missouri**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +64.4 | +83.5 | +70.5 | +99.3 |
| 1972 | —    | —     | +11.6 | -86.1 | +03.7 |
| 1973 | —    | —     | —     | +56.4 | +72.1 |
| 1974 | —    | —     | —     | —     | +6.1  |
| 1975 | —    | —     | —     | —     | —     |

**North Atlantic**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | -0.3 | +91.0 | +40.0 | +64.2 |
| 1972 | —    | —    | +91.8 | +41.0 | +65.3 |
| 1973 | —    | —    | —     | +25.6 | +38.3 |
| 1974 | —    | —    | —     | —     | +10.1 |
| 1975 | —    | —    | —     | —     | —     |

**Northeast**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +89.3 | +53.2 | +34.7 | +77.0 |
| 1972 | —    | —     | -19.0 | -28.8 | -6.4  |
| 1973 | —    | —     | —     | -1.20 | +15.5 |
| 1974 | —    | —     | —     | —     | +31.4 |
| 1975 | —    | —     | —     | —     | —     |

**Ohio River**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | 7.1  | +44.1 | +68.9 | +25.5 |
| 1972 |      | —    | +55.4 | +82.1 | +43.1 |
| 1973 |      |      | —     | +17.2 | +56.5 |
| 1974 |      |      |       | —     | +33.5 |
| 1975 |      |      |       |       | —     |

**Pacific Northwest**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +17.8 | +30.4 | +77.6 | +61.0 |
| 1972 |      | —     | +10.7 | +50.7 | +36.7 |
| 1973 |      |       | —     | +36.2 | +23.5 |
| 1974 |      |       |       | —     | 9.2   |
| 1975 |      |       |       |       | —     |

**South Central Lower Mississippi**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -20.6 | +72.0 | +14.7 | +20.4 |
| 1972 |      | —     | +16.8 | +70.8 | +77.9 |
| 1973 |      |       | —     | +24.9 | +28.2 |
| 1974 |      |       |       | —     | +2.6  |
| 1975 |      |       |       |       | —     |

**Southeast**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -29.1 | +82.2 | +42.0 | +32.0 |
| 1972 |      | —     | +41.2 | +87.5 | +79.7 |
| 1973 |      |       | —     | +32.8 | +27.3 |
| 1974 |      |       |       | —     | 4.1   |
| 1975 |      |       |       |       | —     |

**Tennessee River**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | -34.8 | +55.8 | +1.8  | +48.4 |
| 1972 |      | —     | +39.3 | +56.3 | +27.8 |
| 1973 |      |       | —     | +34.6 | 4.7   |
| 1974 |      |       |       | —     | +45.8 |
| 1975 |      |       |       |       | —     |

**Upper Mississippi**

|      | 1971 | 1972 | 1973  | 1974  | 1975  |
|------|------|------|-------|-------|-------|
| 1971 | —    | +3.9 | +26.8 | +76.3 | +77.0 |
| 1972 |      |      | -22.0 | +69.7 | +70.4 |
| 1973 |      |      | —     | +39.1 | +39.7 |
| 1974 |      |      |       | —     | +0.4  |
| 1975 |      |      |       |       | —     |

**Western Great Lakes**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +15.9 | -46.2 | 3.3   | -4.0  |
| 1972 |      | —     | 53.5  | 16.6  | -17.2 |
| 1973 |      |       | —     | +79.7 | +78.5 |
| 1974 |      |       |       | —     | -0.6  |
| 1975 |      |       |       |       | —     |

**Western Gulf**

|      | 1971 | 1972  | 1973  | 1974  | 1975  |
|------|------|-------|-------|-------|-------|
| 1971 | —    | +71.5 | +65.7 | +11.5 | +92.7 |
| 1972 |      | —     | +54.9 | +81.6 | +70.6 |
| 1973 |      |       | —     | +17.3 | +10.2 |
| 1974 |      |       |       | —     | 5.9   |
| 1975 |      |       |       |       | —     |