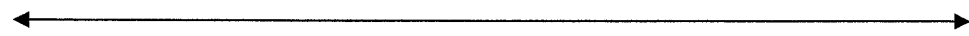

Bulletin No. 186

1912 to July 1, 2017

The
Handy-Whitman Index®
of
Public Utility
Construction Costs™



Trends of Construction Costs

COMPILED & PUBLISHED BY

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| Plateau Region | E-5 | E-5-1 |
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COST TRENDS OF GAS UTILITY CONSTRUCTION

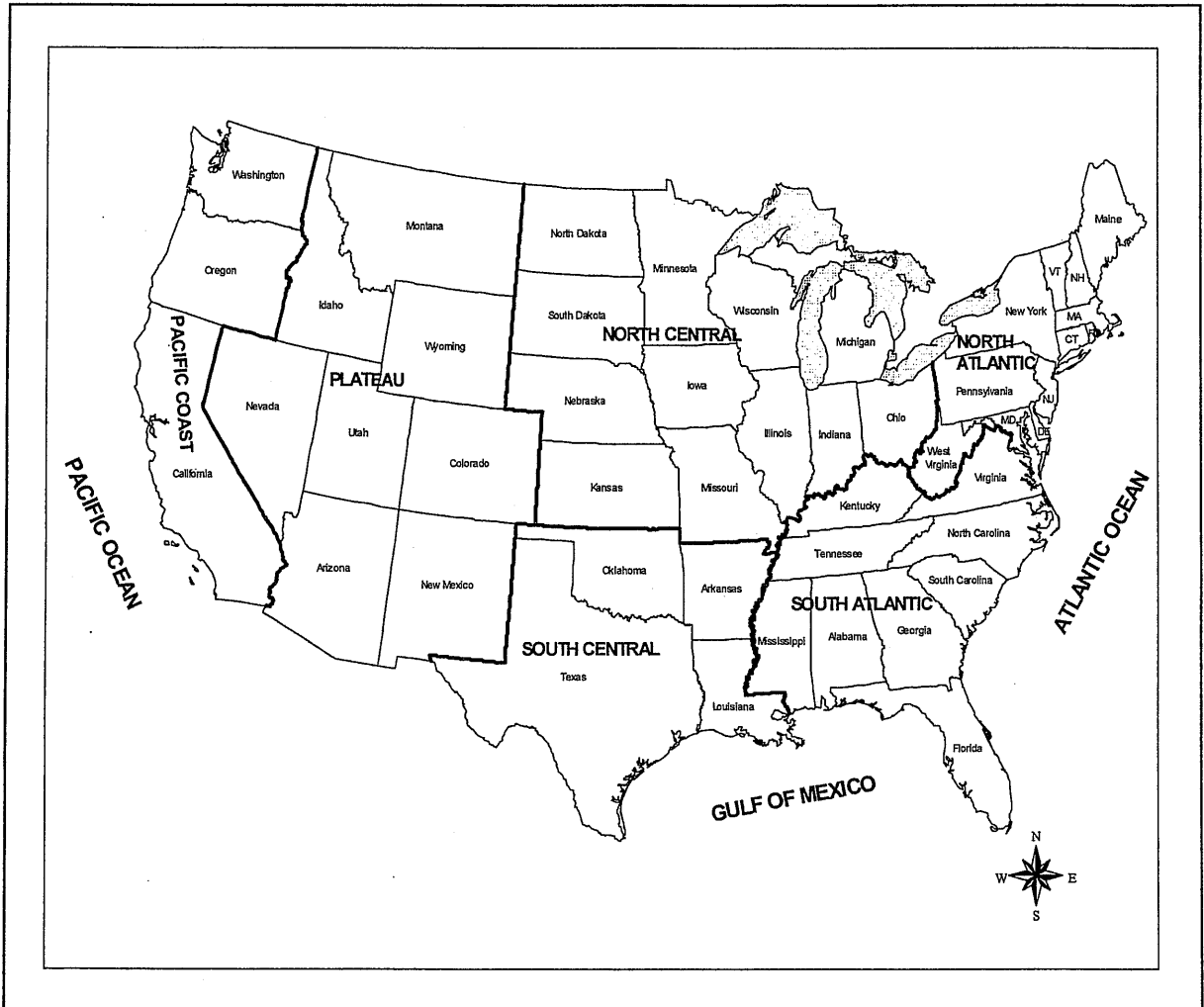
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|--|-----|-------|
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| North Atlantic Region | G-1 | G-1-1 |
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| | | |
|--|-----|-------|
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TRENDS OF PUBLIC UTILITY CONSTRUCTION COSTS

GEOGRAPHIC REGIONS



Tradition of Quality

The Handy-Whitman Index of Public Utility Construction Costs has been published continuously since 1924. Formerly the Handy Index, Bulletin Nos. 1 through 15 were developed by William W. Handy of Baltimore who had wide valuation experience in public utilities. *He believed that valuation studies should not be confined to rate cases but should be kept alive to the benefit of the utility industry.* He began publishing index numbers for electric and gas construction cost trends. Carrying on with the *tradition of quality*, after Mr. Handy's death, we continued publication for his estate beginning with Bulletin 16. Then, January 1, 1950, Whitman, Requardt and Associates, LLP purchased rights to the publication and have since been the sole publishers.

The name Handy-Whitman Index was adopted for Bulletin No. 53 and succeeding issues to combine the names of Mr. Handy and Ezra B. Whitman, a well-known valuation engineer. In 1957 an index of water utility construction costs was added. Mr. Whitman was a consultant on the publication of the Index until his death in 1963.

Whitman, Requardt and Associates, LLP

Ezra B. Whitman, a well-known valuation engineer was one of the founders of our firm. Major Whitman, as he was known from his World War I service, had already made a name for himself. Prior to the founding of the firm in 1915, Major Whitman had been President and Chief Engineer of the Water Board of the City of Baltimore. He designed the first rapid sand filtration plant serving a major city while he was the Baltimore Water Engineer. He was also president of the American Society of Civil Engineers and of the American Institute of Consulting Engineers and a chairman of the Public Service Commission of Maryland.

The Handy-Whitman Index is prepared especially for electric, gas and water utilities and is the only known publication of its kind available to the public. The list of subscribers is international and includes operating utilities, regulatory bodies, valuation engineers, equipment industries, insurance companies and reference libraries.

Tradition of Quality Continued

Since 1915, Whitman, Requardt and Associates, LLP, has been an independent consulting engineering firm organized to serve government, industry and private enterprise.

The firm has steadily expanded its engineering capabilities, providing complete services for civil, sanitary, structural, mechanical and electrical engineering and architectural projects from job

inception through construction management. Construction cost data from utility projects of all types are available from design and valuation assignments. The staff is composed of specialists in these and related disciplines who bring a diverse professional and academic expertise to each assignment. A full-time staff is maintained specifically for preparing the Handy-Whitman Index.

Methods of Preparation of Indexes

An index number is a percentage ratio between the cost of an item at any stated time and its cost at a base period, or:

$$\text{Index Number} = \frac{\text{cost at stated time}}{\text{cost at base period}} \times 100$$

Index numbers have been prepared for many items, including wage rates, cost-of-living, material and equipment costs, and financial transactions. In the Handy-Whitman Index, index numbers have been developed for Building Construction, Electric Utility Construction, Gas Utility Construction and Water Utility Construction. Prices of basic materials such as cement, sand, gravel, cast iron pipe, wire, etc., are obtained from publications such as Engineering News-Record and checked against prices actually being paid for such materials. Labor cost trends are computed from labor rates obtained from sources such as the Construction Labor Research Council. Prices and cost trends of equipment are obtained from nationally recognized manufacturers, and operating utilities.

Handy-Whitman Index numbers are developed from wage rates and prices prevailing on January 1 and July 1 each year. The index numbers are generally based on 1973 = 100, although those items of recent origin are based on a later year.

The proportions of basic materials, labor, equipment and other cost components used in the Handy-Whitman Index are based on analyses developed during valuation and design assignments and on data furnished by utilities and industrial sources willing to assist with the Index. These data are reviewed continuously, and weightings and components are revised as required. This review assures that the indexes published reflect current construction practice.

Geographic Regions

To reflect differing cost trends throughout the 48 contiguous states, the index has been divided into six geographical regions of similar characteristics. They are shown on the accompanying map.

Use of Index Numbers

Handy-Whitman Index numbers have been widely used to trend earlier valuations and original cost records to estimate reproduction cost at prices prevailing at a certain date. The use of indexes for an appropriate property item or group will provide a reliable guide to changes in cost. Cost trends are given for all the important items of property. The electric and gas groups are arranged by the Federal Energy Regulatory Commission Uniform System of Accounts. The water property accounts are arranged to follow the classification of the National Association of Regulatory Utility Commissioners and the American Water Works Association.

The Handy-Whitman Index will furnish a yardstick for the fluctuations in value of property which will be satisfactory for many purposes. In rate cases, when a more exact determination of value is desired, however, the Index must be used carefully. Average prices and cost trends are used to develop the Index, and any direct application of cost trends without checking with actual local experience may not be accepted without controversy. When local experience is compared with the index and the correlation between the two trends is determined, the result is satisfactory. Costs trended by such a method are used to assist in establishing a rate base.

Indexes in these bulletins are used to trend earlier valuations or original cost records for insurance purposes.

The Handy-Whitman Index has a general application in valuations of all types of property. The building construction cost trends may be used wherever similar items of property are to be compared. Many of the other trends may be used for related items in other industries because of their similarity.

State-of-the-art changes often affect costs independently of inflation. New regulatory and environmental requirements, changes in work rules and improved design standards, for instance, increase construction costs even though the price of wages, materials and equipment may be static. Trended construction costs will not reflect such changes. However, trended costs are a reasonably accurate measure of the cost of reproducing actual plant.

Although every effort is made to maintain accuracy, Whitman, Requardt and Associates, LLP disclaim any responsibility for the use of these indexes, because local conditions may vary.

No guarantee or warranty of any kind is made in the sale of the Handy-Whitman Index. Published numbers are occasionally subject to change based upon receipt of new or different information. These numbers will be bolded.

Further inquiries on electric, gas and water indexes should be addressed to Whitman, Requardt and Associates, LLP.

Total Electric Plant and Function

Three indexes are provided for total plant. The first is for all steam generation and the other two for weighted combinations of steam and nuclear, and steam and hydro generation. Indexes are also provided for each function.

Indexes are not maintained for plant accounts 323,324,325,341,345 and 346. We believe that indexes for comparable accounts in other functions are sufficiently accurate for these accounts.

The indexes for total nuclear production and total other production incorporate comparable indexes from the steam production function for the accounts not listed.

Value of Index Numbers

We believe that present-day reproduction cost of any property can be calculated more accurately using index numbers than by repricing a complete inventory.

Trending the controlling items of property in any utility by the index method saves time and effort in arriving at a valuation. Analyzing and determining cost trends for all of the great numbers of articles of plant that represent only a very small proportion of the value of the utility is not necessary. They may be assumed to follow in general the trend of the controlling items, and the fluctuations in value above or below the trends of the controlling items will tend to offset each other and have a very slight effect on the total value.

Comments on Bulletin No. 186

During the twelve month period ending July 1, 2017, the average index of all geographical regions for Total Gas Plant increased 7%, and the comparable index for Electric Plant-All Steam Generation increased 1.2%.

November 2017
Whitman, Requardt and Associates, LLP

Cost Trends Of

Water Utility Construction

**COST TREND TABLES
1912 to July 1, 2017**

| Line | CONSTRUCTION AND EQUIPMENT | N A R U C | COST INDEX NUMBERS | | | | | | | | | | | | | | |
|------|----------------------------------|-----------------------|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 7 | 7 | 7 | 7 | 9 | 13 | 15 | 15 | 17 | 16 | 16 | 16 | 16 | 16 | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 8 | 8 | 8 | 9 | 11 | 16 | 17 | 18 | 20 | 18 | 18 | 18 | 19 | 18 | |
| 9 | Electric Pumping Equipment | 311 | - | - | 15 | 15 | 17 | 20 | 22 | 24 | 24 | 23 | 21 | 22 | 23 | 23 | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 8 | 8 | 8 | 9 | 11 | 16 | 17 | 18 | 20 | 18 | 18 | 18 | 19 | 18 | |
| 16 | Large Treatment Plant Equip. | 320 | 9 | 9 | 9 | 9 | 11 | 14 | 16 | 17 | 20 | 19 | 18 | 18 | 20 | 20 | |
| 17 | Small Treatment Plant Equip. | 320 | 10 | 10 | 10 | 10 | 13 | 17 | 19 | 19 | 22 | 20 | 20 | 20 | 21 | 20 | |
| 18 | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 4 | 4 | 4 | 12 | 15 | 17 | 19 | 20 | 15 | 13 | 12 | 13 | 13 | 13 | |
| 24 | Elevated Steel Tanks | 330 | 4 | 4 | 4 | 11 | 14 | 16 | 18 | 19 | 16 | 13 | 11 | 12 | 11 | 10 | |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 28 | Steel Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 29 | Concrete Cylinder Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 30 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 9 | 10 | 8 | 9 | 11 | 16 | 19 | 20 | 22 | 22 | 20 | 21 | 22 | 21 | |
| 35 | Cast Iron Mains | 331 | 9 | 10 | 9 | 9 | 12 | 18 | 20 | 22 | 25 | 24 | 22 | 23 | 24 | 23 | |
| 36 | Cement-Asbestos Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 37 | Steel Mains | 331 | 6 | 7 | 6 | 7 | 8 | 11 | 13 | 13 | 14 | 15 | 14 | 14 | 14 | 15 | |
| 38 | PVC Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 39 | Services Installed | 333 | 6 | 6 | 5 | 6 | 6 | 9 | 10 | 11 | 12 | 13 | 12 | 12 | 13 | 13 | |
| 40 | Meters | 334 | 23 | 23 | 23 | 23 | 26 | 29 | 35 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | |
| 41 | Meter Installations | 334 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 42 | Hydrants Installed | 335 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 43 | | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 14 | 16 | 13 | 14 | 26 | 38 | 31 | 29 | 29 | 24 | 25 | 26 | 24 | 23 | |
| 47 | Clarifier Equipment-Installed | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 48 | Filter Gallery Piping-Installed | | 8 | 8 | 8 | 8 | 10 | 14 | 16 | 18 | 20 | 18 | 17 | 18 | 19 | 19 | |
| 49 | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | |

| L i n e | CONSTRUCTION AND EQUIPMENT | N A R U C | COST INDEX NUMBERS | | | | | | | | | | | | | |
|------------------|----------------------------------|-----------------------|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 17 | 17 | 17 | 17 | 17 | 16 | 14 | 14 | 15 | 15 | 15 | 17 | 17 | 17 |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 19 | 18 | 18 | 18 | 17 | 16 | 15 | 15 | 16 | 16 | 16 | 18 | 18 | 18 |
| 9 | Electric Pumping Equipment | 311 | 23 | 23 | 23 | 22 | 22 | 22 | 22 | 23 | 24 | 24 | 25 | 26 | 26 | 26 |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 19 | 18 | 18 | 18 | 17 | 16 | 15 | 15 | 16 | 16 | 16 | 18 | 18 | 18 |
| 16 | Large Treatment Plant Equip. | 320 | 20 | 20 | 20 | 20 | 20 | 19 | 17 | 17 | 18 | 18 | 18 | 20 | 20 | 20 |
| 17 | Small Treatment Plant Equip. | 320 | 20 | 20 | 20 | 20 | 20 | 19 | 17 | 17 | 19 | 19 | 19 | 21 | 21 | 21 |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 12 | 12 | 12 | 12 | 11 | 10 | 9 | 9 | 12 | 11 | 12 | 14 | 14 | 14 |
| 24 | Elevated Steel Tanks | 330 | 11 | 10 | 10 | 10 | 10 | 9 | 8 | 8 | 10 | 10 | 11 | 12 | 13 | 13 |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 28 | Steel Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 29 | Concrete Cylinder Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 21 | 21 | 20 | 20 | 20 | 20 | 18 | 18 | 19 | 19 | 20 | 21 | 22 | 22 |
| 35 | Cast Iron Mains | 331 | 23 | 21 | 20 | 21 | 21 | 20 | 18 | 18 | 20 | 20 | 21 | 23 | 24 | 24 |
| 36 | Cement-Asbestos Mains | 331 | - | - | - | - | - | - | - | - | - | - | 31 | 32 | 32 | 33 |
| 37 | Steel Mains | 331 | 15 | 15 | 15 | 16 | 16 | 16 | 14 | 13 | 14 | 14 | 14 | 16 | 16 | 16 |
| 38 | PVC Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 39 | Services Installed | 333 | 13 | 13 | 13 | 14 | 14 | 14 | 13 | 11 | 12 | 13 | 13 | 14 | 14 | 14 |
| 40 | Meters | 334 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 35 | 26 | 26 | 26 | 31 | 32 | 32 |
| 41 | Meter Installations | 334 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 42 | Hydrants Installed | 335 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 43 | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 23 | 22 | 22 | 22 | 21 | 20 | 20 | 20 | 21 | 21 | 23 | 26 | 25 | 25 |
| 47 | Clarifier Equipment-Installed | | - | - | - | - | - | - | - | - | - | - | - | 17 | 23 | 24 |
| 48 | Filter Gallery Piping-Installed | | 19 | 18 | 18 | 18 | 18 | 18 | 15 | 16 | 18 | 18 | 18 | 19 | 20 | 20 |
| 49 | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | |

| Line | CONSTRUCTION AND EQUIPMENT | N A R U C | COST INDEX NUMBERS | | | | | | | | | | | | | |
|------|----------------------------------|-----------------------|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 17 | 18 | 20 | 20 | 20 | 21 | 23 | 27 | 31 | 32 | 33 | 35 | 36 | 38 |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 18 | 19 | 20 | 21 | 21 | 22 | 24 | 28 | 32 | 35 | 36 | 38 | 38 | 39 |
| 9 | Electric Pumping Equipment | 311 | 26 | 27 | 27 | 27 | 27 | 27 | 31 | 39 | 43 | 45 | 49 | 55 | 55 | 55 |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 18 | 19 | 20 | 21 | 21 | 22 | 24 | 28 | 32 | 35 | 36 | 38 | 38 | 39 |
| 16 | Large Treatment Plant Equip. | 320 | 21 | 22 | 23 | 24 | 24 | 25 | 28 | 32 | 35 | 36 | 38 | 40 | 41 | 42 |
| 17 | Small Treatment Plant Equip. | 320 | 21 | 22 | 24 | 24 | 24 | 25 | 28 | 33 | 37 | 39 | 41 | 43 | 43 | 44 |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 14 | 16 | 16 | 13 | 14 | 16 | 20 | 26 | 29 | 27 | 28 | 30 | 31 | 32 |
| 24 | Elevated Steel Tanks | 330 | 12 | 15 | 15 | 14 | 15 | 14 | 17 | 23 | 26 | 25 | 26 | 28 | 29 | 31 |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | 42 | 43 | 45 |
| 28 | Steel Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | 40 | 40 | 43 |
| 29 | Concrete Cylinder Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | 44 | 45 | 47 |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 23 | 23 | 24 | 25 | 25 | 26 | 29 | 35 | 41 | 42 | 43 | 45 | 47 | 48 |
| 35 | Cast Iron Mains | 331 | 24 | 25 | 27 | 27 | 28 | 28 | 32 | 39 | 46 | 46 | 48 | 50 | 51 | 53 |
| 36 | Cement-Asbestos Mains | 331 | 33 | 34 | 36 | 36 | 37 | 37 | 44 | 49 | 59 | 61 | 62 | 64 | 65 | 67 |
| 37 | Steel Mains | 331 | 16 | 17 | 18 | 18 | 18 | 19 | 21 | 24 | 28 | 29 | 31 | 32 | 34 | 36 |
| 38 | PVC Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 39 | Services Installed | 333 | 14 | 15 | 16 | 16 | 17 | 17 | 19 | 22 | 25 | 27 | 28 | 29 | 31 | 33 |
| 40 | Meters | 334 | 33 | 35 | 37 | 37 | 37 | 37 | 40 | 42 | 48 | 52 | 59 | 61 | 61 | 65 |
| 41 | Meter Installations | 334 | - | - | - | - | - | - | - | - | - | 29 | 31 | 34 | 35 | 36 |
| 42 | Hydrants Installed | 335 | - | - | - | - | - | - | - | - | - | 35 | 37 | 41 | 41 | 43 |
| 43 | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 25 | 27 | 28 | 28 | 28 | 30 | 33 | 38 | 44 | 45 | 45 | 49 | 49 | 50 |
| 47 | Clarifier Equipment-Installed | | 25 | 26 | 27 | 27 | 27 | 29 | 32 | 37 | 43 | 43 | 44 | 46 | 46 | 49 |
| 48 | Filter Gallery Piping-Installed | | 21 | 21 | 22 | 22 | 22 | 23 | 25 | 30 | 35 | 37 | 37 | 39 | 40 | 41 |
| 49 | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
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| L i n e | CONSTRUCTION AND EQUIPMENT | N A R U C | COST INDEX NUMBERS | | | | | | | | | | | | | |
|------------------|----------------------------------|-----------------------|--------------------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 39 | 41 | 44 | 47 | 49 | 51 | 52 | 53 | 55 | 56 | 57 | 59 | 61 | 64 |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 41 | 43 | 46 | 49 | 50 | 52 | 53 | 53 | 54 | 55 | 56 | 57 | 59 | 61 |
| 9 | Electric Pumping Equipment | 311 | 55 | 56 | 63 | 69 | 73 | 74 | 74 | 71 | 71 | 71 | 73 | 74 | 78 | 81 |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 41 | 43 | 46 | 49 | 50 | 52 | 53 | 53 | 54 | 55 | 56 | 57 | 59 | 61 |
| 16 | Large Treatment Plant Equip. | 320 | 44 | 45 | 48 | 50 | 52 | 54 | 55 | 56 | 58 | 59 | 60 | 62 | 64 | 67 |
| 17 | Small Treatment Plant Equip. | 320 | 46 | 47 | 50 | 53 | 54 | 56 | 58 | 58 | 60 | 60 | 62 | 63 | 66 | 68 |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 32 | 33 | 38 | 42 | 37 | 36 | 35 | 35 | 35 | 41 | 44 | 45 | 46 | 47 |
| 24 | Elevated Steel Tanks | 330 | 31 | 33 | 35 | 38 | 38 | 38 | 38 | 37 | 36 | 37 | 38 | 38 | 41 | 44 |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | 47 | 50 | 52 | 56 | 57 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 69 | 71 |
| 28 | Steel Mains | 331 | 44 | 46 | 49 | 52 | 55 | 57 | 57 | 58 | 59 | 60 | 61 | 63 | 65 | 67 |
| 29 | Concrete Cylinder Mains | 331 | 48 | 50 | 52 | 54 | 56 | 59 | 60 | 60 | 61 | 62 | 62 | 64 | 66 | 70 |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 51 | 53 | 57 | 60 | 63 | 65 | 68 | 69 | 71 | 72 | 73 | 74 | 75 | 76 |
| 35 | Cast Iron Mains | 331 | 56 | 59 | 62 | 66 | 68 | 72 | 73 | 75 | 77 | 79 | 79 | 80 | 80 | 81 |
| 36 | Cement-Asbestos Mains | 331 | 68 | 70 | 75 | 78 | 81 | 84 | 86 | 86 | 87 | 89 | 88 | 81 | 82 | 82 |
| 37 | Steel Mains | 331 | 38 | 40 | 43 | 46 | 48 | 51 | 53 | 55 | 56 | 58 | 60 | 63 | 65 | 66 |
| 38 | PVC Mains | 331 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 39 | Services Installed | 333 | 35 | 36 | 39 | 41 | 44 | 46 | 48 | 50 | 51 | 53 | 55 | 58 | 60 | 63 |
| 40 | Meters | 334 | 67 | 70 | 77 | 78 | 78 | 78 | 78 | 84 | 87 | 87 | 93 | 101 | 101 | 101 |
| 41 | Meter Installations | 334 | 38 | 40 | 44 | 45 | 46 | 48 | 51 | 52 | 54 | 55 | 57 | 59 | 62 | 65 |
| 42 | Hydrants Installed | 335 | 44 | 44 | 48 | 50 | 51 | 53 | 54 | 55 | 56 | 57 | 58 | 58 | 61 | 64 |
| 43 | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 52 | 53 | 57 | 58 | 58 | 59 | 60 | 61 | 61 | 62 | 65 | 66 | 67 | 68 |
| 47 | Clarifier Equipment-Installed | | 50 | 49 | 53 | 55 | 57 | 58 | 58 | 59 | 60 | 60 | 63 | 65 | 66 | 67 |
| 48 | Filter Gallery Piping-Installed | | 44 | 46 | 48 | 50 | 53 | 54 | 56 | 57 | 58 | 59 | 60 | 61 | 63 | 65 |
| 49 | | | | | | | | | | | | | | | | |
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| Line | CONSTRUCTION AND EQUIPMENT | N A R U C | COST INDEX NUMBERS | | | | | | | | | | | | | | |
|------|----------------------------------|-----------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 67 | 72 | 78 | 86 | 94 | 100 | 115 | 127 | 133 | 139 | 148 | 164 | 179 | 189 | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 64 | 69 | 75 | 84 | 92 | 100 | 117 | 127 | 130 | 137 | 148 | 163 | 181 | 191 | |
| 9 | Electric Pumping Equipment | 311 | 81 | 84 | 89 | 93 | 96 | 100 | 122 | 155 | 174 | 184 | 192 | 205 | 222 | 245 | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 64 | 69 | 75 | 84 | 92 | 100 | 117 | 127 | 130 | 137 | 148 | 163 | 181 | 191 | |
| 16 | Large Treatment Plant Equip. | 320 | 69 | 73 | 79 | 89 | 96 | 100 | 118 | 134 | 144 | 152 | 162 | 175 | 191 | 208 | |
| 17 | Small Treatment Plant Equip. | 320 | 70 | 74 | 80 | 90 | 96 | 100 | 120 | 139 | 150 | 160 | 172 | 186 | 204 | 223 | |
| 18 | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 49 | 53 | 75 | 82 | 85 | 100 | 140 | 159 | 171 | 172 | 173 | 178 | 191 | 208 | |
| 24 | Elevated Steel Tanks | 330 | 48 | 55 | 71 | 80 | 86 | 100 | 152 | 183 | 182 | 183 | 195 | 206 | 228 | 250 | |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | 74 | 78 | 84 | 91 | 96 | 100 | 129 | 137 | 142 | 150 | 158 | 166 | 180 | 196 | |
| 28 | Steel Mains | 331 | 69 | 74 | 80 | 88 | 96 | 100 | 113 | 125 | 133 | 141 | 152 | 166 | 180 | 199 | |
| 29 | Concrete Cylinder Mains | 331 | 72 | 78 | 80 | 88 | 95 | 100 | 113 | 134 | 138 | 140 | 148 | 162 | 176 | 189 | |
| 30 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 77 | 80 | 84 | 94 | 98 | 100 | 110 | 146 | 154 | 162 | 173 | 185 | 202 | 219 | |
| 35 | Cast Iron Mains | 331 | 82 | 83 | 88 | 97 | 99 | 100 | 143 | 158 | 163 | 167 | 178 | 185 | 202 | 218 | |
| 36 | Cement-Asbestos Mains | 331 | 82 | 85 | 88 | 97 | 98 | 100 | 127 | 148 | 159 | 167 | 176 | 202 | 212 | 234 | |
| 37 | Steel Mains | 331 | 68 | 72 | 78 | 88 | 97 | 100 | 115 | 128 | 139 | 151 | 164 | 179 | 197 | 212 | |
| 38 | PVC Mains | 331 | - | - | - | - | - | - | 25 | 100 | 104 | 108 | 113 | 122 | 132 | 138 | |
| 39 | Services Installed | 333 | 66 | 72 | 79 | 89 | 96 | 100 | 115 | 123 | 130 | 139 | 145 | 160 | 175 | 184 | |
| 40 | Meters | 334 | 101 | 106 | 108 | 108 | 106 | 100 | 93 | 93 | 98 | 101 | 105 | 108 | 122 | 127 | |
| 41 | Meter Installations | 334 | 68 | 73 | 79 | 89 | 97 | 100 | 113 | 120 | 131 | 147 | 152 | 162 | 177 | 189 | |
| 42 | Hydrants Installed | 335 | 68 | 72 | 80 | 90 | 96 | 100 | 123 | 143 | 157 | 167 | 182 | 194 | 207 | 222 | |
| 43 | | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 69 | 74 | 82 | 93 | 98 | 100 | 139 | 174 | 195 | 218 | 246 | 290 | 350 | 406 | |
| 47 | Clarifier Equipment-Installed | | 68 | 72 | 82 | 93 | 98 | 100 | 140 | 167 | 181 | 199 | 210 | 232 | 272 | 310 | |
| 48 | Filter Gallery Piping-Installed | | 68 | 72 | 78 | 90 | 97 | 100 | 119 | 130 | 136 | 144 | 151 | 158 | 171 | 185 | |
| 49 | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | |
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| Line | CONSTRUCTION AND EQUIPMENT | N | COST INDEX NUMBERS | | | | | | | | | | | | | |
|------|----------------------------------|-----|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | U | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | C | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 197 | 206 | 217 | 227 | 234 | 238 | 248 | 255 | 258 | 262 | 270 | 282 | 295 | 302 |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 198 | 206 | 218 | 225 | 233 | 239 | 251 | 265 | 271 | 274 | 281 | 294 | 308 | 316 |
| 9 | Electric Pumping Equipment | 311 | 260 | 271 | 277 | 282 | 284 | 299 | 311 | 330 | 349 | 355 | 368 | 386 | 428 | 442 |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 198 | 206 | 218 | 225 | 233 | 239 | 251 | 265 | 271 | 274 | 281 | 294 | 308 | 316 |
| 16 | Large Treatment Plant Equip. | 320 | 227 | 242 | 251 | 262 | 269 | 276 | 286 | 301 | 313 | 322 | 332 | 342 | 348 | 357 |
| 17 | Small Treatment Plant Equip. | 320 | 243 | 259 | 268 | 279 | 286 | 293 | 303 | 317 | 328 | 334 | 343 | 354 | 360 | 366 |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 210 | 182 | 184 | 181 | 184 | 196 | 220 | 216 | 229 | 253 | 261 | 248 | 246 | 250 |
| 24 | Elevated Steel Tanks | 330 | 244 | 197 | 200 | 198 | 207 | 219 | 260 | 268 | 278 | 285 | 277 | 249 | 242 | 252 |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | 208 | 222 | 225 | 236 | 235 | 242 | 253 | 266 | 273 | 279 | 284 | 295 | 305 | 305 |
| 28 | Steel Mains | 331 | 215 | 223 | 230 | 234 | 232 | 241 | 255 | 272 | 279 | 287 | 293 | 302 | 316 | 324 |
| 29 | Concrete Cylinder Mains | 331 | 203 | 213 | 218 | 232 | 239 | 243 | 258 | 269 | 277 | 288 | 295 | 303 | 311 | 317 |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 231 | 239 | 244 | 254 | 255 | 263 | 280 | 295 | 301 | 307 | 311 | 321 | 327 | 332 |
| 35 | Cast Iron Mains | 331 | 223 | 245 | 253 | 264 | 263 | 269 | 282 | 296 | 304 | 313 | 320 | 329 | 339 | 341 |
| 36 | Cement-Asbestos Mains | 331 | 253 | 244 | 249 | 255 | 259 | 275 | 315 | 340 | 338 | 332 | 319 | 335 | 338 | 354 |
| 37 | Steel Mains | 331 | 233 | 228 | 231 | 237 | 242 | 248 | 265 | 277 | 281 | 288 | 295 | 302 | 304 | 311 |
| 38 | PVC Mains | 331 | 137 | 151 | 149 | 151 | 150 | 160 | 197 | 217 | 211 | 200 | 183 | 193 | 191 | 204 |
| 39 | Services Installed | 333 | 198 | 207 | 215 | 221 | 226 | 230 | 245 | 258 | 262 | 272 | 283 | 292 | 300 | 307 |
| 40 | Meters | 334 | 128 | 141 | 148 | 135 | 135 | 137 | 140 | 150 | 159 | 162 | 196 | 195 | 175 | 200 |
| 41 | Meter Installations | 334 | 207 | 230 | 239 | 247 | 255 | 259 | 269 | 282 | 294 | 310 | 320 | 337 | 347 | 358 |
| 42 | Hydrants Installed | 335 | 245 | 264 | 270 | 285 | 296 | 307 | 320 | 343 | 363 | 372 | 378 | 385 | 391 | 398 |
| 43 | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 458 | 496 | 506 | 540 | 560 | 575 | 579 | 580 | 565 | 528 | 539 | 555 | 562 | 566 |
| 47 | Clarifier Equipment-Installed | | 356 | 389 | 398 | 431 | 442 | 446 | 451 | 455 | 442 | 416 | 435 | 458 | 492 | 514 |
| 48 | Filter Gallery Piping-Installed | | 201 | 217 | 223 | 234 | 237 | 243 | 251 | 266 | 279 | 289 | 297 | 309 | 319 | 321 |
| 49 | | | | | | | | | | | | | | | | |
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| Line | CONSTRUCTION AND EQUIPMENT | N A R U C | COST INDEX NUMBERS | | | | | | | | | | | | | | |
|------|----------------------------------|-----------------------|--------------------|-------------|-------------|-------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
| | | | 1 9 6 | 1 9 7 | 1 9 8 | 1 9 9 | 2 0 0 0 | 2001 | | 2002 | | 2003 | | 2004 | | | |
| | | | | | | | | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | | |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 309 | 317 | 318 | 318 | 326 | 328 | 338 | 338 | 346 | 344 | 345 | 364 | 370 | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 321 | 331 | 337 | 343 | 362 | 370 | 380 | 382 | 390 | 393 | 388 | 405 | 418 | | |
| 9 | Electric Pumping Equipment | 311 | 450 | 473 | 489 | 505 | 530 | 531 | 531 | 516 | 533 | 534 | 546 | 547 | 569 | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 321 | 331 | 337 | 343 | 362 | 370 | 380 | 382 | 390 | 393 | 388 | 405 | 418 | | |
| 16 | Large Treatment Plant Equip. | 320 | 367 | 380 | 391 | 401 | 413 | 419 | 429 | 435 | 445 | 448 | 449 | 461 | 462 | | |
| 17 | Small Treatment Plant Equip. | 320 | 375 | 389 | 401 | 410 | 424 | 431 | 440 | 444 | 454 | 456 | 457 | 470 | 476 | | |
| 18 | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 251 | 255 | 268 | 268 | 270 | 270 | 275 | 275 | 275 | 275 | 275 | 278 | 313 | | |
| 24 | Elevated Steel Tanks | 330 | 268 | 273 | 283 | 288 | 299 | 305 | 314 | 429 | 429 | 429 | 429 | 438 | 481 | | |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | 311 | 320 | 323 | 328 | 348 | 355 | 365 | 368 | 387 | 390 | 381 | 387 | 386 | | |
| 28 | Steel Mains | 331 | 329 | 337 | 342 | 351 | 377 | 384 | 392 | 394 | 400 | 404 | 395 | 421 | 437 | | |
| 29 | Concrete Cylinder Mains | 331 | 324 | 331 | 338 | 345 | 372 | 395 | 405 | 409 | 416 | 420 | 411 | 417 | 423 | | |
| 30 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 339 | 347 | 355 | 361 | 377 | 383 | 392 | 395 | 406 | 407 | 403 | 415 | 426 | | |
| 35 | Cast Iron Mains | 331 | 348 | 358 | 364 | 370 | 390 | 396 | 406 | 409 | 424 | 426 | 422 | 430 | 428 | | |
| 36 | Cement-Asbestos Mains | 331 | 364 | 372 | 375 | 382 | 405 | 418 | 423 | 429 | 448 | 450 | 441 | 450 | 454 | | |
| 37 | Steel Mains | 331 | 316 | 322 | 334 | 339 | 346 | 352 | 359 | 361 | 363 | 364 | 363 | 378 | 413 | | |
| 38 | PVC Mains | 331 | 211 | 216 | 216 | 219 | 231 | 241 | 241 | 246 | 254 | 256 | 250 | 258 | 259 | | |
| 39 | Services Installed | 333 | 321 | 323 | 330 | 334 | 348 | 352 | 355 | 354 | 361 | 363 | 365 | 377 | 386 | | |
| 40 | Meters | 334 | 207 | 197 | 197 | 198 | 205 | 206 | 206 | 207 | 207 | 207 | 207 | 207 | 207 | | |
| 41 | Meter Installations | 334 | 375 | 381 | 387 | 392 | 406 | 412 | 418 | 421 | 428 | 436 | 437 | 449 | 455 | | |
| 42 | Hydrants Installed | 335 | 418 | 475 | 493 | 508 | 526 | 538 | 554 | 557 | 566 | 569 | 568 | 576 | 583 | | |
| 43 | | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 579 | 603 | 622 | 642 | 652 | 667 | 670 | 676 | 685 | 687 | 688 | 724 | 754 | | |
| 47 | Clarifier Equipment-Installed | | 540 | 562 | 572 | 579 | 593 | 599 | 602 | 609 | 617 | 623 | 625 | 646 | 649 | | |
| 48 | Filter Gallery Piping-Installed | | 328 | 337 | 344 | 349 | 363 | 369 | 379 | 384 | 400 | 406 | 404 | 417 | 415 | | |
| 49 | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | |
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NORTH ATLANTIC REGION (1973=100)

| L i n e | CONSTRUCTION AND EQUIPMENT | N A R U C | COST INDEX NUMBERS | | | | | | | | | | | |
|------------------|----------------------------------|-----------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | 2005 | | 2006 | | 2007 | | 2008 | | 2009 | | 2010 | |
| | | | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 388 | 394 | 400 | 405 | 413 | 439 | 457 | 466 | 470 | 465 | 475 | 478 |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 442 | 447 | 456 | 464 | 481 | 494 | 516 | 543 | 551 | 536 | 552 | 558 |
| 9 | Electric Pumping Equipment | 311 | 604 | 611 | 620 | 619 | 639 | 628 | 640 | 666 | 679 | 688 | 707 | 701 |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 442 | 447 | 456 | 464 | 481 | 494 | 516 | 543 | 551 | 536 | 552 | 558 |
| 16 | Large Treatment Plant Equip. | 320 | 480 | 482 | 499 | 500 | 516 | 533 | 566 | 582 | 614 | 616 | 631 | 638 |
| 17 | Small Treatment Plant Equip. | 320 | 498 | 502 | 520 | 518 | 539 | 559 | 602 | 624 | 666 | 669 | 686 | 693 |
| 18 | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 329 | 338 | 348 | 375 | 494 | 537 | 537 | 722 | 722 | 722 | 722 | 722 |
| 24 | Elevated Steel Tanks | 330 | 524 | 524 | 524 | 596 | 657 | 657 | 680 | 866 | 866 | 866 | 866 | 867 |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | 411 | 415 | 442 | 451 | 480 | 484 | 510 | 534 | 578 | 576 | 601 | 601 |
| 28 | Steel Mains | 331 | 509 | 508 | 530 | 539 | 528 | 527 | 543 | 606 | 605 | 585 | 593 | 609 |
| 29 | Concrete Cylinder Mains | 331 | 436 | 440 | 454 | 459 | 460 | 462 | 468 | 475 | 502 | 502 | 494 | 495 |
| 30 | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 462 | 464 | 485 | 494 | 524 | 523 | 550 | 588 | 624 | 608 | 617 | 623 |
| 35 | Cast Iron Mains | 331 | 457 | 460 | 483 | 492 | 525 | 528 | 556 | 579 | 625 | 624 | 647 | 648 |
| 36 | Cement-Asbestos Mains | 331 | 480 | 483 | 538 | 546 | 599 | 597 | 621 | 632 | 691 | 678 | 638 | 649 |
| 37 | Steel Mains | 331 | 459 | 460 | 467 | 477 | 494 | 487 | 514 | 582 | 595 | 559 | 565 | 575 |
| 38 | PVC Mains | 331 | 277 | 278 | 321 | 321 | 365 | 361 | 372 | 374 | 419 | 408 | 353 | 363 |
| 39 | Services Installed | 333 | 404 | 407 | 421 | 459 | 478 | 481 | 501 | 511 | 534 | 534 | 545 | 554 |
| 40 | Meters | 334 | 207 | 207 | 235 | 248 | 260 | 262 | 373 | 373 | 373 | 373 | 374 | 376 |
| 41 | Meter Installations | 334 | 466 | 467 | 482 | 530 | 549 | 552 | 572 | 573 | 597 | 598 | 612 | 623 |
| 42 | Hydrants Installed | 335 | 597 | 597 | 613 | 647 | 663 | 669 | 693 | 699 | 732 | 731 | 740 | 721 |
| 43 | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 801 | 801 | 852 | 852 | 869 | 983 | 1187 | 1373 | 1645 | 1645 | 1699 | 1744 |
| 47 | Clarifier Equipment-Installed | | 709 | 709 | 729 | 729 | 760 | 892 | 920 | 944 | 997 | 997 | 991 | 1001 |
| 48 | Filter Gallery Piping-Installed | | 438 | 438 | 468 | 470 | 500 | 501 | 530 | 543 | 589 | 590 | 613 | 614 |
| 49 | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | |
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| 54 | | | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | |

| Line | CONSTRUCTION AND EQUIPMENT | N A R C | COST INDEX NUMBERS | | | | | | | | | | | | | |
|------|----------------------------------|------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
| | | | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | 492 | 495 | 501 | 502 | 507 | 505 | 515 | 517 | 526 | 521 | 526 | 532 | 543 | 549 |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | 571 | 583 | 597 | 600 | 618 | 608 | 621 | 630 | 642 | 646 | 655 | 659 | 672 | 671 |
| 9 | Electric Pumping Equipment | 311 | 708 | 760 | 780 | 785 | 800 | 844 | 856 | 900 | 928 | 931 | 990 | 1013 | 1052 | 1135 |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | 571 | 583 | 597 | 600 | 618 | 608 | 621 | 630 | 642 | 646 | 655 | 659 | 672 | 671 |
| 16 | Large Treatment Plant Equip. | 320 | 642 | 653 | 669 | 680 | 689 | 697 | 713 | 725 | 736 | 737 | 755 | 758 | 774 | 785 |
| 17 | Small Treatment Plant Equip. | 320 | 706 | 712 | 740 | 754 | 764 | 779 | 800 | 813 | 832 | 840 | 861 | 864 | 881 | 897 |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | 771 | 771 | 795 | 810 | 778 | 780 | 715 | 742 | 742 | 742 | 742 | 774 | 784 | 784 |
| 24 | Elevated Steel Tanks | 330 | 1079 | 1079 | 1059 | 1082 | 1089 | 1099 | 1131 | 1131 | 1131 | 1131 | 1131 | 1143 | 1161 | 1161 |
| 25 | Concrete Reservoirs | 330 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 26 | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | 602 | 610 | 634 | 669 | 691 | 684 | 712 | 743 | 733 | 744 | 754 | 759 | 793 | 785 |
| 28 | Steel Mains | 331 | 644 | 659 | 711 | 708 | 724 | 704 | 694 | 708 | 712 | 713 | 697 | 705 | 723 | 726 |
| 29 | Concrete Cylinder Mains | 331 | 510 | 517 | 523 | 526 | 547 | 534 | 535 | 547 | 562 | 575 | 591 | 592 | 601 | 592 |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | 633 | 644 | 669 | 690 | 698 | 693 | 720 | 733 | 736 | 738 | 747 | 750 | 774 | 772 |
| 35 | Cast Iron Mains | 331 | 654 | 660 | 681 | 716 | 733 | 730 | 759 | 781 | 780 | 785 | 795 | 797 | 832 | 826 |
| 36 | Cement-Asbestos Mains | 331 | 658 | 683 | 716 | 721 | 712 | 707 | 704 | 721 | 724 | 731 | 741 | 743 | 751 | 746 |
| 37 | Steel Mains | 331 | 593 | 606 | 633 | 637 | 638 | 631 | 665 | 665 | 673 | 670 | 678 | 681 | 697 | 701 |
| 38 | PVC Mains | 331 | 369 | 389 | 412 | 412 | 391 | 392 | 383 | 383 | 387 | 387 | 388 | 388 | 387 | 387 |
| 39 | Services Installed | 333 | 568 | 574 | 589 | 600 | 602 | 602 | 603 | 605 | 617 | 616 | 622 | 617 | 638 | 651 |
| 40 | Meters | 334 | 379 | 379 | 379 | 379 | 380 | 381 | 381 | 381 | 400 | 400 | 403 | 403 | 404 | 418 |
| 41 | Meter Installations | 334 | 635 | 635 | 646 | 673 | 677 | 677 | 688 | 688 | 702 | 702 | 709 | 709 | 722 | 733 |
| 42 | Hydrants Installed | 335 | 730 | 731 | 757 | 758 | 774 | 784 | 807 | 849 | 877 | 930 | 971 | 972 | 980 | 981 |
| 43 | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | 1823 | 1848 | 1904 | 1973 | 1978 | 2015 | 2041 | 2078 | 2167 | 2177 | 2192 | 2192 | 2198 | 2213 |
| 47 | Clarifier Equipment-Installed | | 1056 | 1060 | 1077 | 1102 | 1105 | 1136 | 1154 | 1162 | 1184 | 1188 | 1229 | 1272 | 1311 | 1315 |
| 48 | Filter Gallery Piping-Installed | | 620 | 620 | 641 | 666 | 677 | 680 | 713 | 728 | 727 | 728 | 735 | 738 | 772 | 772 |
| 49 | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | |
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| 56 | | | | | | | | | | | | | | | | |

| L i n e | CONSTRUCTION AND EQUIPMENT | N A R U C | COST INDEX NUMBERS | | | | | | | | | | | | | |
|------------------|----------------------------------|-----------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | 2018 | | 2019 | | 2020 | | 2021 | | 2022 | | 2023 | | 2024 | |
| | | | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 | Jan. 1 | Jul. 1 |
| 1 | Source of Supply Plant | | | | | | | | | | | | | | | |
| 2 | Collecting & Impounding Res. | 305 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | Pumping Plant | | | | | | | | | | | | | | | |
| 8 | Structures & Improvements | 304 | | | | | | | | | | | | | | |
| 9 | Electric Pumping Equipment | 311 | | | | | | | | | | | | | | |
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| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | Water Treatment Plant | | | | | | | | | | | | | | | |
| 15 | Structures & Improvements | 304 | | | | | | | | | | | | | | |
| 16 | Large Treatment Plant Equip. | 320 | | | | | | | | | | | | | | |
| 17 | Small Treatment Plant Equip. | 320 | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | Transmission Plant | | | | | | | | | | | | | | | |
| 23 | Steel Reservoirs | 330 | | | | | | | | | | | | | | |
| 24 | Elevated Steel Tanks | 330 | | | | | | | | | | | | | | |
| 25 | Concrete Reservoirs | 330 | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | |
| 27 | Cast Iron Mains | 331 | | | | | | | | | | | | | | |
| 28 | Steel Mains | 331 | | | | | | | | | | | | | | |
| 29 | Concrete Cylinder Mains | 331 | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | |
| 33 | Distribution Plant | | | | | | | | | | | | | | | |
| 34 | Mains-Average All Types | 331 | | | | | | | | | | | | | | |
| 35 | Cast Iron Mains | 331 | | | | | | | | | | | | | | |
| 36 | Cement-Asbestos Mains | 331 | | | | | | | | | | | | | | |
| 37 | Steel Mains | 331 | | | | | | | | | | | | | | |
| 38 | PVC Mains | 331 | | | | | | | | | | | | | | |
| 39 | Services Installed | 333 | | | | | | | | | | | | | | |
| 40 | Meters | 334 | | | | | | | | | | | | | | |
| 41 | Meter Installations | 334 | | | | | | | | | | | | | | |
| 42 | Hydrants Installed | 335 | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | |
| 45 | Miscellaneous Items | | | | | | | | | | | | | | | |
| 46 | Flocculating Equipment-Installed | | | | | | | | | | | | | | | |
| 47 | Clarifier Equipment-Installed | | | | | | | | | | | | | | | |
| 48 | Filter Gallery Piping-Installed | | | | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
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BULLETIN No. 187

1912 to January 1, 2018

THE
HANDY-WHITMAN INDEX
Of
Public Utility
Construction Costs®

TRENDS OF
CONSTRUCTION COSTS

Preliminaries

Compiled and Published by

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801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

HANDY-WHITMAN INDEX OF PUBLIC UTILITY CONSTRUCTION COSTS

PRELIMINARY NUMBERS BULLETIN 187

WATER INDEXES 1/1/18

| LINE | REGION 1 | REGION 2 | REGION 3 | REGION 4 | REGION 5 | REGION 6 |
|------|----------|----------|----------|----------|----------|----------|
| 2 | 559 | 467 | 537 | 456 | 495 | 534 |
| 8 | 687 | 570 | 655 | 558 | 634 | 684 |
| 9 | 1146 | 1146 | 1146 | 1146 | 1146 | 1146 |
| 15 | 687 | 570 | 655 | 558 | 634 | 684 |
| 16 | 797 | 701 | 759 | 705 | 717 | 810 |
| 17 | 911 | 832 | 882 | 841 | 851 | 930 |
| 23 | 801 | 801 | 801 | 801 | 801 | 801 |
| 24 | 1181 | 1181 | 1181 | 1181 | 1181 | 1181 |
| 27 | 810 | 763 | 789 | 773 | 783 | 827 |
| 28 | 733 | 658 | 699 | 681 | 673 | 732 |
| 29 | 620 | 554 | 594 | 557 | 567 | 621 |
| 34 | 790 | 719 | 752 | 696 | 714 | 777 |
| 35 | 855 | 821 | 846 | 798 | 814 | 854 |
| 36 | 763 | 612 | 668 | 590 | 621 | 649 |
| 37 | 704 | 597 | 653 | 590 | 605 | 701 |
| 38 | 397 | 343 | 376 | 342 | 348 | 384 |
| 39 | 661 | 504 | 596 | 513 | 519 | 636 |
| 40 | 434 | 434 | 434 | 434 | 434 | 434 |
| 41 | 750 | 603 | 690 | 616 | 628 | 732 |
| 42 | 1012 | 943 | 968 | 952 | 953 | 1028 |
| 46 | 2223 | 2193 | 2213 | 2233 | 2215 | 2278 |
| 47 | 1325 | 1218 | 1305 | 1235 | 1275 | 1340 |
| 48 | 801 | 645 | 748 | 683 | 726 | 836 |



AUS Telephone Plant Index



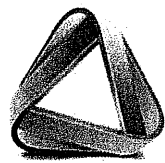
AUS Telephone Plant Index

Cost Trend Tables from 1946 to January 1, 2018

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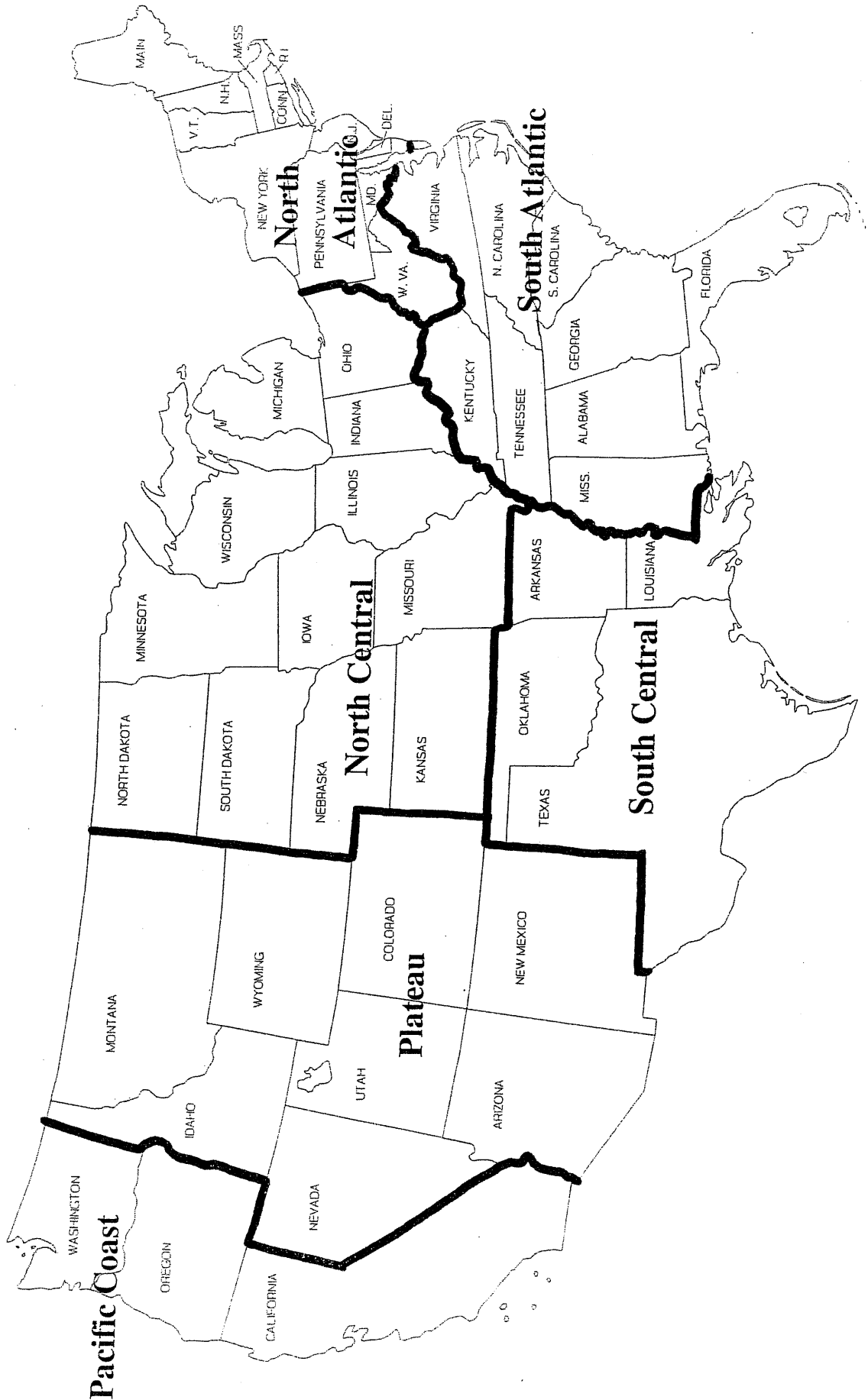
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FOREWORD

The AUS Telephone Plant Index, which follows this foreword was first introduced in 1977 by Associated Utility Services, Inc., and published as part of the Handy-Whitman Index of Public Utility Construction Costs through 1989. In 1990 AUS Consultants, the successor company to Associated Utility Services, Inc., decided to publish the Telephone Plant Index under the name C.A. Turner Utility Reports publication division. In 2005 the index changed its name from C.A. Turner Telephone Plant Index to AUS Telephone Plant Index.

The 1990 AUS Telephone Plant Index (TPI) was the first nationally available TPI based on the Federal Communication Commission (FCC) Uniform System of Accounts (USOA) Part 32. The prior published TPI, also prepared by AUS staff, was based on the earlier USOA Part 31 Standards.

Telephone Plant Index Description

The TPI consists of a separate cost index series for each of six geographic regions shown on the map at page iv. These regions are designated: North Atlantic, South Atlantic, North Central, South Central, Plateau, and Pacific Coast. The regional designation are the same as those used in the prior issues of the cost index and are based on similarity of characteristics among the contiguous 48 states.

Each cost index series within a region consists of one index labeled "Total Plant Account" and up to 31 individual cost index series for the individual plant account identified in the left hand columns.

The Base Year for each cost index is 1973=100. Some plant accounts will not show an index number of 100 at year 1973 due to a subsequent adjustment for FCC Part 31 to Part 32, changes explained later in this foreword. In a few accounts the item described in the account was not included in the index series until after 1973 and the base year is considered the first year of entry.

The index for most plant accounts begins with a single entry in year 1946 and continues with a single number for each year through 1973. Beginning in 1974 there are two index numbers for each year; one for January 1 and one for July 1. These numbers represent the prevailing wages and material prices and weightings at that point in time.

Index History

An index is a tool for identifying the relative price change of an item, or group of items over an identified period of time. Price indexes have been in use for many years for a variety of reasons. One example is an index developed in the eighteenth century by an Italian named Carli to determine the effect of the discovery of America upon the level of prices in Italy of three commodities between the years 1500 and 1750. In the current century, numerous organizations, including the United States Bureau of Statistic, have developed a variety of indexes ranging from the cost of basic commodities to manufactured goods and building construction cost.

Interest in telephone utility cost indexes has varied over time depending on the need to develop reproduction cost values for utility properties. Previous uses of cost indexes included such things as the determination trended original cost in fair value rate jurisdictions and current cost pricing for FASB-33 financial accounting disclosures. Due to changes in rate regulation proceedings and financial disclosure requirements, the need in these two specific areas has declined. Other areas in which reproduction cost indexes were utilized included insurance valuations, property tax valuations, retirement accounting and cost forecasting, etc.

Most recently, interest in cost indexes for the telecommunication industry has increased due to the possible implementation of price cap regulation. This form of regulation incorporates the use of changes in price levels by regulators to set rates. Under one proposal, customer tariff prices are adjusted to give consideration to productivity improvements, therefore, the development of the construction cost indexes will have an indirect bearing on the level of the company revenue requirements.

Index Design

The telephone plant index was designed as a product which could be utilized by any of the various telephone operating companies to develop the reproduction cost of the company's property at the selected test year date. Due to the variation of many design construction specifics from one company to another, it is impossible to produce an index which will exactly mirror the construction cost changes for each company. In circumstances where companies desire a more specific reproduction cost of their property, a custom index should be prepared or, alternately, the company's property should be inventoried and unit priced. Such unit cost work efforts, of course, will be significantly more expensive and time consuming to complete.

As indicated, the telephone plant index is a standard index which is published on a semi-annual basis. The yearly average index is calculated via a 1-2-1 weighting process which is the sum of 25% of the January index, 50 of the July index, and 25% of the succeeding year's January index.

In general terms, the telephone plant index was constructed around the FCC Part 32 system of accounts to aid companies in ease of application of the published index. Each embedded property account was reviewed to determine the components which comprise the large segment of the property investment in each account. In this manner, the resulting telephone plant index was a reasonable proxy for determining the reproduction cost of the embedded investment of the independent telephone industry.

With the exception of the General Support Asset Group, the FCC Part 32 based indexes were adjusted for all index years 1987 and prior to compensate for the change in overhead capitalization policies effective with the new regulations. That is, under FCC Part 31 regulation, a greater level of overheads were previously incorporated in the plant in service investments contained on the company's books and records. The adjusted indexes for the years 1946 through 1987, when applied to the company's original costs, will produce the applicable reproduction cost under FCC Part 32 accounting treatment. The index adjustment for Part 31 to Part 32 accounting results in the plant accounts not having an index number of 100 at the 1973 base year.

The AUS Telephone Plant Index was designed around thirty-six component indexes representing the basic components of material and labor which make up the construction of the various telephone plant accounts. The components include such items as Buildings, Switching Equipment, Circuit Equipment, Poles, Cable, Wire Vehicles, Tools, Furniture, Installer Labor and Lineman Labor, etc. The components were composited together into account level indexes based upon material and labor weights derived from a study of independent telephone construction cost experience.

Introduction of new technologies into a reproduction cost index required the review of composite weight included in development of the account level index to reflex the new mix of property.

The goal of the telephone plant index was to produce a product which when utilized together with each companies' books and records would produce a reproduction cost value.

The AUS Telephone Plant Index does not reflect replacement cost inasmuch as it was designed to produce the reproduction cost (the cost in today's dollars to reproduce the company's embedded plant in service).

Index Functions

The AUS Telephone Plant Index series was initially prepared to address a very specific function. That is, it was designed to enable companies to produce trended original cost values to the historical original cost of plant in service on the companies' books and records. This trended original cost is a general representation of the cost to reconstruct the property in question at the price level of the selected period. If a company desires a more specific estimate of reconstruction, the property specific indexes can be developed giving consideration to the actual history of the company's wages and material cost in comparison to the labor and material costs. For an even more specific cost estimated to rebuild the plant in serve, engineering estimated can be completed based upon the property inventory and the current unit costs for constructing the various plant categories.

In summary, the index was designed to be applied on a vintage and account level basis to determine the reproduction cost of local distribution companies' plant in service, as of the selected price level.

A tool can be utilized correctly only within the boundaries for which the product was originally designed. Uses above and beyond the scope of the original design may or may not produce reliable results. That is, the use of a generalized index to prepare a reproduction cost will provide general results within the range of reasonableness. If more specific or exact results are required, alternative methods or procedures (i.e., custom indexes or specific detail pricing) should be employed.

An effort has been made to carefully construct an index which produces a reasonable proxy of reproduction cost for the telephone plant or local distribution companies giving consideration to the fact that there are variances in material and labor costs, as well as, construction methods and practices from one company to another. Nevertheless, we believe that there is sufficient similarity in the cost trends to make the AUS Telephone Plant Index a useful tool when carefully applied to a company's historical cost base.

North Atlantic

| LINE NO | PLANT IN SERVICE DESCRIPTION | F C C A c c t | COST INDEX NUMBER | | | | | | | | | | | | | | LINE NO | |
|---------|--------------------------------------|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|
| | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | 9 |
| | | | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| | | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 |
| 1 | Total Plant..... | | 85 | 89 | 91 | 91 | 92 | 95 | 96 | 96 | 94 | 94 | 97 | 97 | 96 | 96 | 97 | 96 |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | Motor Vehicles..... | 2112 | 57 | 57 | 63 | 67 | 67 | 70 | 74 | 74 | 74 | 77 | 81 | 84 | 87 | 89 | 88 | 87 |
| 5 | Aircraft..... | 2113 | 56 | 56 | 62 | 66 | 66 | 69 | 73 | 73 | 73 | 75 | 80 | 83 | 86 | 88 | 86 | 86 |
| 6 | Special Purpose Vehicles..... | 2114 | 30 | 34 | 38 | 41 | 42 | 46 | 47 | 48 | 49 | 51 | 56 | 60 | 62 | 65 | 66 | 67 |
| 7 | Garage Work Equipment..... | 2115 | 36 | 38 | 42 | 44 | 46 | 51 | 51 | 52 | 53 | 56 | 61 | 65 | 67 | 69 | 70 | 70 |
| 8 | Other Work Equipment..... | 2116 | 50 | 50 | 52 | 54 | 55 | 59 | 59 | 61 | 62 | 64 | 67 | 70 | 71 | 74 | 75 | 77 |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
| 11 | Buildings..... | 2121 | 24 | 28 | 32 | 34 | 35 | 37 | 38 | 39 | 41 | 42 | 46 | 49 | 50 | 52 | 53 | 52 |
| 12 | Furniture..... | 2122 | 43 | 43 | 46 | 47 | 50 | 56 | 56 | 57 | 57 | 60 | 64 | 68 | 70 | 70 | 71 | 71 |
| 13 | Office Equipment..... | 2123 | 67 | 67 | 69 | 69 | 70 | 75 | 74 | 76 | 77 | 79 | 82 | 85 | 87 | 88 | 88 | 89 |
| 14 | General Purpose Computer..... | 2124 | 67 | 67 | 69 | 69 | 70 | 75 | 74 | 76 | 77 | 79 | 82 | 85 | 87 | 88 | 88 | 89 |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | |
| 17 | Analog Electronic Switching..... | 2211 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Digital Electronic Switching..... | 2212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | |
| 21 | Electro Mechanical Switching..... | 2215 | 36 | 48 | 49 | 57 | 62 | 64 | 67 | 66 | 64 | 65 | 68 | 70 | 69 | 72 | 70 | 72 |
| 22 | | | | | | | | | | | | | | | | | | |
| 23 | Operator Systems..... | 2220 | 37 | 50 | 51 | 59 | 64 | 67 | 69 | 68 | 66 | 67 | 70 | 72 | 71 | 73 | 71 | 74 |
| 24 | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | |
| 26 | Radio System—Analog..... | | | | | | | | | | | | | | | | | |
| 27 | Radio Systems—Digital..... | 22311 | 51 | 57 | 62 | 63 | 63 | 66 | 64 | 60 | 58 | 58 | 49 | 49 | 46 | 47 | 36 | 36 |
| 28 | Circuit Equipment—Analog..... | 22312 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | Circuit Equipment—Digital..... | 22321 | 347 | 392 | 417 | 411 | 410 | 423 | 410 | 401 | 348 | 311 | 319 | 317 | 303 | 299 | 312 | 297 |
| 30 | | 22322 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | | | | | | | | | | | | | | | | | | |
| 32 | Public Telephone Term Eq..... | 2351 | 148 | 151 | 145 | 145 | 148 | 154 | 143 | 144 | 146 | 158 | 159 | 164 | 164 | 164 | 165 | 165 |
| 33 | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | |
| 35 | Poles..... | 2411 | 33 | 37 | 39 | 41 | 42 | 45 | 47 | 49 | 51 | 50 | 54 | 58 | 59 | 59 | 60 | 61 |
| 36 | Aerial Cable—Metallic..... | 24211 | 44 | 47 | 49 | 49 | 51 | 58 | 61 | 64 | 64 | 68 | 74 | 72 | 70 | 71 | 72 | 70 |
| 37 | Aerial Cable—Fiber..... | 24212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | Underground Cable—Metallic..... | 24221 | 48 | 52 | 54 | 53 | 55 | 64 | 67 | 71 | 69 | 75 | 82 | 78 | 75 | 76 | 78 | 75 |
| 39 | Underground Cable—Fiber..... | 24222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | Buried Cable—Metallic..... | 24231 | 50 | 54 | 56 | 55 | 57 | 66 | 70 | 74 | 72 | 78 | 85 | 81 | 77 | 78 | 80 | 76 |
| 41 | Buried Cable—Fiber..... | 24232 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | Submarine Cable—Metallic..... | 24241 | 43 | 45 | 48 | 48 | 50 | 56 | 59 | 62 | 61 | 65 | 71 | 69 | 68 | 69 | 71 | 70 |
| 43 | Submarine Cable—Fiber..... | 24242 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Intra Building Cable—Metallic..... | 24261 | 43 | 47 | 49 | 48 | 50 | 58 | 61 | 64 | 63 | 68 | 74 | 71 | 69 | 70 | 72 | 70 |
| 45 | Intra Building Cable—Fiber..... | 24262 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | Aerial Wire..... | 2431 | 33 | 36 | 38 | 38 | 40 | 45 | 47 | 50 | 50 | 55 | 58 | 57 | 57 | 59 | 61 | 62 |
| 47 | Conduit Systems..... | 2441 | 54 | 55 | 57 | 59 | 60 | 63 | 64 | 64 | 65 | 65 | 67 | 69 | 71 | 72 | 73 | 74 |
| 48 | | | | | | | | | | | | | | | | | | |
| 49 | Aerial Cable-FTTP (Distribution)... | 24213 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | Underground Cable-FTTP (Dist.)... | 24223 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | Buried Cable-FTTP (Distribution)... | 24233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | Submarine Cable-FTTP (Dist.)..... | 24243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | Intra Building Cable-FTTP (Dist.)... | 24263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | | | | | | | | | | | | | | | | | | |

| L I N E N O | COST INDEX NUMBER | | | | | | | | | | | | | | | | | | | L I N E N O | | | | | |
|----------------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|----------------------------|------|-----|------|-----|----|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1974 | | 1975 | | 1976 | | 1977 | | 1978 | | 1979 | | |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | J | | J | | J | | J | | J | | J | | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | a | u | a | u | a | u | | a | u | a | u | a |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1 | 95 | 94 | 94 | 94 | 95 | 96 | 96 | 97 | 101 | 101 | 102 | 105 | 108 | 113 | 116 | 116 | 117 | 120 | 122 | 123 | 125 | 128 | 131 | 135 | 1 |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 4 | 87 | 86 | 86 | 85 | 85 | 86 | 88 | 89 | 92 | 97 | 99 | 100 | 102 | 105 | 116 | 116 | 123 | 124 | 131 | 132 | 140 | 143 | 149 | 155 | 4 |
| 5 | 85 | 85 | 84 | 84 | 84 | 84 | 86 | 88 | 91 | 96 | 99 | 100 | 102 | 109 | 119 | 123 | 128 | 131 | 136 | 140 | 146 | 151 | 157 | 163 | 5 |
| 6 | 67 | 68 | 70 | 72 | 74 | 77 | 81 | 85 | 89 | 93 | 96 | 100 | 103 | 114 | 130 | 141 | 147 | 151 | 158 | 162 | 171 | 177 | 187 | 195 | 6 |
| 7 | 71 | 71 | 72 | 73 | 76 | 79 | 82 | 85 | 90 | 94 | 96 | 100 | 114 | 118 | 134 | 139 | 143 | 147 | 153 | 159 | 165 | 172 | 180 | 189 | 7 |
| 8 | 78 | 79 | 79 | 79 | 81 | 85 | 88 | 93 | 98 | 100 | 100 | 100 | 100 | 111 | 118 | 122 | 119 | 122 | 124 | 130 | 131 | 137 | 141 | 147 | 8 |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 11 | 53 | 54 | 56 | 57 | 59 | 61 | 64 | 68 | 74 | 84 | 91 | 100 | 107 | 119 | 125 | 128 | 126 | 131 | 132 | 136 | 140 | 148 | 154 | 163 | 11 |
| 12 | 71 | 71 | 72 | 72 | 73 | 77 | 80 | 83 | 89 | 91 | 93 | 100 | 103 | 114 | 130 | 128 | 129 | 135 | 136 | 144 | 149 | 155 | 160 | 171 | 12 |
| 13 | 89 | 90 | 90 | 90 | 91 | 92 | 93 | 93 | 96 | 97 | 99 | 100 | 101 | 105 | 109 | 111 | 110 | 112 | 111 | 113 | 114 | 118 | 119 | 123 | 13 |
| 14 | 89 | 90 | 90 | 90 | 91 | 92 | 93 | 93 | 96 | 97 | 99 | 100 | 100 | 100 | 102 | 103 | 100 | 100 | 98 | 90 | 90 | 90 | 90 | 90 | 14 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 | 103 | 106 | 110 | 111 | 111 | 113 | 113 | 113 | 115 | 119 | 122 | 125 | 17 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 | 105 | 100 | 95 | 95 | 95 | 96 | 96 | 18 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| 21 | 71 | 76 | 78 | 75 | 72 | 71 | 75 | 81 | 84 | 88 | 98 | 104 | 106 | 110 | 115 | 120 | 124 | 127 | 132 | 136 | 140 | 145 | 151 | 156 | 21 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | 22 |
| 23 | 73 | 77 | 79 | 76 | 72 | 71 | 76 | 81 | 85 | 89 | 98 | 104 | 106 | 108 | 111 | 114 | 117 | 119 | 121 | 122 | 125 | 128 | 132 | 136 | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 27 | 46 | 49 | 52 | 60 | 58 | 63 | 62 | 66 | 78 | 97 | 102 | 104 | 102 | 102 | 102 | 102 | 97 | 98 | 103 | 104 | 106 | 106 | 103 | 103 | 27 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 29 | 273 | 234 | 228 | 214 | 224 | 210 | 173 | 159 | 163 | 128 | 108 | 104 | 105 | 108 | 111 | 112 | 111 | 111 | 115 | 118 | 118 | 119 | 120 | 122 | 29 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 | 104 | 104 | 105 | 105 | 110 | 116 | 121 | 126 | 126 | 127 | 123 | 120 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| 32 | 165 | 165 | 166 | 130 | 122 | 123 | 120 | 118 | 108 | 107 | 108 | 107 | 106 | 107 | 110 | 109 | 109 | 111 | 112 | 114 | 116 | 119 | 123 | 127 | 32 |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | 33 |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | 34 |
| 35 | 62 | 63 | 65 | 66 | 68 | 71 | 76 | 79 | 83 | 88 | 97 | 107 | 119 | 131 | 144 | 157 | 158 | 160 | 164 | 169 | 176 | 183 | 196 | 208 | 35 |
| 36 | 70 | 70 | 70 | 73 | 77 | 81 | 84 | 88 | 96 | 97 | 100 | 107 | 114 | 125 | 129 | 126 | 130 | 135 | 140 | 144 | 148 | 152 | 158 | 170 | 36 |
| 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| 38 | 74 | 73 | 72 | 75 | 80 | 84 | 87 | 91 | 100 | 99 | 100 | 107 | 114 | 127 | 130 | 125 | 129 | 134 | 138 | 143 | 145 | 149 | 155 | 168 | 38 |
| 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| 40 | 76 | 74 | 73 | 77 | 81 | 85 | 88 | 91 | 101 | 99 | 100 | 107 | 114 | 128 | 131 | 124 | 128 | 133 | 138 | 142 | 144 | 147 | 153 | 167 | 40 |
| 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 |
| 42 | 70 | 70 | 71 | 73 | 77 | 81 | 84 | 88 | 95 | 96 | 101 | 107 | 113 | 123 | 128 | 126 | 131 | 136 | 141 | 145 | 150 | 154 | 160 | 171 | 42 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| 44 | 70 | 70 | 70 | 73 | 77 | 81 | 84 | 88 | 96 | 96 | 100 | 107 | 114 | 125 | 129 | 126 | 130 | 136 | 140 | 145 | 148 | 152 | 158 | 170 | 44 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| 46 | 63 | 65 | 66 | 70 | 73 | 75 | 78 | 84 | 91 | 93 | 100 | 107 | 114 | 125 | 130 | 131 | 134 | 139 | 142 | 146 | 145 | 150 | 158 | 172 | 46 |
| 47 | 74 | 77 | 78 | 79 | 82 | 84 | 84 | 87 | 89 | 94 | 102 | 107 | 111 | 117 | 127 | 130 | 135 | 139 | 144 | 150 | 159 | 163 | 169 | 180 | 47 |
| 48 | | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 |
| 54 | | | | | | | | | | | | | | | | | | | | | | | | | 54 |

| L I N E N O | PLANT IN SERVICE DESCRIPTION | F C C A c c e t | COST INDEX NUMBER | | | | | | | | | | | | | | L I N E N O | | |
|--------------------------------|-------------------------------------|--|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------|------------------|------------------|
| | | | 1980 | | 1981 | | 1982 | | 1983 | | 1984 | | 1985 | | 1986 | | | 1987 | |
| | | | J a n 1 | J u l 1 | J a n 1 | J u l 1 | J a n 1 | J u l 1 | J a n 1 | J u l 1 | J a n 1 | J u l 1 | J a n 1 | J u l 1 | J a n 1 | J u l 1 | | J a n 1 | J u l 1 |
| 1 | Total Plant..... | | 140 | 146 | 146 | 149 | 150 | 152 | 156 | 159 | 156 | 154 | 156 | 158 | 156 | 154 | 155 | 1 | |
| 2 | | | | | | | | | | | | | | | | | 2 | | |
| 3 | | | | | | | | | | | | | | | | | 3 | | |
| 4 | Motor Vehicles..... | 2112 | 162 | 167 | 178 | 186 | 195 | 195 | 201 | 199 | 203 | 204 | 206 | 210 | 215 | 215 | 227 | 220 | 4 |
| 5 | Aircraft..... | 2113 | 170 | 180 | 195 | 205 | 215 | 217 | 224 | 223 | 227 | 228 | 230 | 234 | 238 | 237 | 233 | 231 | 5 |
| 6 | Special Purpose Vehicles..... | 2114 | 206 | 220 | 231 | 245 | 254 | 263 | 266 | 270 | 271 | 274 | 274 | 277 | 278 | 281 | 283 | 287 | 6 |
| 7 | Garage Work Equipment..... | 2115 | 200 | 213 | 223 | 234 | 241 | 248 | 250 | 251 | 253 | 257 | 260 | 263 | 264 | 267 | 268 | 270 | 7 |
| 8 | Other Work Equipment..... | 2116 | 153 | 165 | 170 | 181 | 183 | 189 | 189 | 189 | 189 | 190 | 192 | 197 | 199 | 202 | 204 | 205 | 8 |
| 9 | | | | | | | | | | | | | | | | | | 9 | |
| 10 | | | | | | | | | | | | | | | | | | 10 | |
| 11 | Buildings..... | 2121 | 176 | 183 | 188 | 193 | 192 | 198 | 200 | 206 | 210 | 218 | 223 | 224 | 228 | 234 | 234 | 239 | 11 |
| 12 | Furniture..... | 2122 | 174 | 182 | 187 | 199 | 210 | 213 | 215 | 222 | 224 | 229 | 232 | 238 | 242 | 245 | 248 | 252 | 12 |
| 13 | Office Equipment..... | 2123 | 125 | 130 | 132 | 136 | 137 | 140 | 140 | 143 | 142 | 142 | 140 | 142 | 143 | 143 | 143 | 146 | 13 |
| 14 | General Purpose Computer..... | 2124 | 90 | 90 | 90 | 90 | 87 | 83 | 76 | 69 | 59 | 48 | 48 | 48 | 48 | 47 | 47 | 47 | 14 |
| 15 | | | | | | | | | | | | | | | | | | 15 | |
| 16 | | | | | | | | | | | | | | | | | | 16 | |
| 17 | Analog Electronic Switching..... | 2211 | 130 | 140 | 149 | 163 | 168 | 175 | 183 | 188 | 193 | 199 | 202 | 204 | 205 | 208 | 210 | 210 | 17 |
| 18 | Digital Electronic Switching..... | 2212 | 96 | 96 | 97 | 97 | 94 | 90 | 84 | 77 | 67 | 57 | 57 | 57 | 57 | 56 | 56 | 56 | 18 |
| 19 | | | | | | | | | | | | | | | | | | 19 | |
| 20 | | | | | | | | | | | | | | | | | | 20 | |
| 21 | Electro Mechanical Switching..... | 2215 | 167 | 188 | 199 | 213 | 219 | 226 | 232 | 248 | 268 | 277 | 282 | 281 | 283 | 286 | 287 | 287 | 21 |
| 22 | | | | | | | | | | | | | | | | | | 22 | |
| 23 | Operator Systems..... | 2220 | 146 | 157 | 166 | 176 | 180 | 185 | 191 | 197 | 204 | 211 | 213 | 215 | 216 | 218 | 219 | 219 | 23 |
| 24 | | | | | | | | | | | | | | | | | | 24 | |
| 25 | | | | | | | | | | | | | | | | | | 25 | |
| 26 | | | | | | | | | | | | | | | | | | 26 | |
| 27 | Radio System—Analog..... | 22311 | 100 | 100 | 101 | 102 | 90 | 91 | 94 | 94 | 79 | 80 | 80 | 81 | 77 | 78 | 82 | 82 | 27 |
| 28 | Radio Systems—Digital..... | 22312 | 0 | 0 | 0 | 0 | 0 | 0 | 115 | 115 | 115 | 117 | 119 | 121 | 122 | 124 | 126 | 124 | 28 |
| 29 | Circuit Equipment—Analog..... | 22321 | 125 | 130 | 129 | 128 | 130 | 132 | 121 | 154 | 153 | 152 | 153 | 152 | 147 | 144 | 145 | 146 | 29 |
| 30 | Circuit Equipment—Digital..... | 22322 | 114 | 107 | 100 | 93 | 93 | 94 | 95 | 96 | 89 | 82 | 80 | 78 | 68 | 59 | 49 | 39 | 30 |
| 31 | | | | | | | | | | | | | | | | | | 31 | |
| 32 | Public Telephone Term Eq..... | 2351 | 132 | 141 | 145 | 150 | 158 | 167 | 190 | 196 | 201 | 206 | 210 | 212 | 213 | 217 | 219 | 218 | 32 |
| 33 | | | | | | | | | | | | | | | | | | 33 | |
| 34 | | | | | | | | | | | | | | | | | | 34 | |
| 35 | Poles..... | 2411 | 220 | 232 | 240 | 249 | 254 | 259 | 263 | 268 | 272 | 273 | 280 | 283 | 287 | 292 | 295 | 297 | 35 |
| 36 | Aerial Cable—Metallic..... | 24211 | 182 | 193 | 191 | 197 | 202 | 204 | 208 | 213 | 211 | 209 | 219 | 231 | 227 | 223 | 225 | 228 | 36 |
| 37 | Aerial Cable—Fiber..... | 24212 | 0 | 0 | 0 | 0 | 0 | 0 | 136 | 138 | 132 | 127 | 119 | 111 | 108 | 105 | 108 | 110 | 37 |
| 38 | Underground Cable—Metallic..... | 24221 | 181 | 192 | 187 | 191 | 195 | 196 | 199 | 203 | 197 | 193 | 204 | 217 | 212 | 205 | 206 | 209 | 38 |
| 39 | Underground Cable—Fiber..... | 24222 | 0 | 0 | 0 | 0 | 0 | 0 | 130 | 131 | 125 | 119 | 110 | 101 | 98 | 94 | 97 | 100 | 39 |
| 40 | Buried Cable—Metallic..... | 24231 | 180 | 192 | 186 | 189 | 192 | 193 | 195 | 199 | 192 | 187 | 198 | 212 | 205 | 198 | 198 | 201 | 40 |
| 41 | Buried Cable—Fiber..... | 24232 | 0 | 0 | 0 | 0 | 0 | 0 | 129 | 131 | 124 | 118 | 109 | 100 | 97 | 93 | 96 | 98 | 41 |
| 42 | Submarine Cable—Metallic..... | 24241 | 181 | 192 | 193 | 199 | 205 | 209 | 214 | 219 | 219 | 218 | 227 | 238 | 237 | 235 | 238 | 240 | 42 |
| 43 | Submarine Cable—Fiber..... | 24242 | 0 | 0 | 0 | 0 | 0 | 0 | 147 | 149 | 145 | 141 | 134 | 128 | 126 | 124 | 127 | 130 | 43 |
| 44 | Intra Building Cable—Metallic..... | 24261 | 182 | 193 | 191 | 197 | 202 | 205 | 209 | 214 | 211 | 210 | 220 | 231 | 228 | 224 | 226 | 230 | 44 |
| 45 | Intra Building Cable—Fiber..... | 24262 | 0 | 0 | 0 | 0 | 0 | 0 | 136 | 138 | 132 | 127 | 119 | 111 | 108 | 105 | 108 | 111 | 45 |
| 46 | Aerial Wire..... | 2431 | 182 | 191 | 198 | 206 | 210 | 214 | 219 | 225 | 232 | 239 | 243 | 248 | 250 | 252 | 253 | 253 | 46 |
| 47 | Conduit Systems..... | 2441 | 188 | 196 | 203 | 211 | 219 | 220 | 228 | 240 | 246 | 253 | 257 | 262 | 267 | 271 | 276 | 278 | 47 |
| 48 | | | | | | | | | | | | | | | | | | 48 | |
| 49 | Aerial Cable-FTTP (Distribution)... | 24213 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| 50 | Underground Cable-FTTP (Dist.)... | 24223 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 51 | Buried Cable-FTTP (Distribution). | 24233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 |
| 52 | Submarine Cable-FTTP (Dist.)..... | 24243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 |
| 53 | Intra Building Cable-FTTP (Dist.).. | 24263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 |
| 54 | | | | | | | | | | | | | | | | | | 54 | |

| L I N E N O | COST INDEX NUMBER | | | | | | | | | | | | | | | | | | | | L I N E N O | | | | |
|--------------------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------|------------------|------------------|------------------|------------------|
| | 1988 | | 1989 | | 1990 | | 1991 | | 1992 | | 1993 | | 1994 | | 1995 | | 1996 | | 1997 | | | 1998 | | 1999 | |
| | J a n 1 | J u n 1 | J a n 1 | J u n 1 | J a n 1 | J u n 1 | J a n 1 | J u n 1 | J a n 1 | J u n 1 | J a n 1 | J u n 1 | J a n 1 | J u n 1 | J a n 1 | J u n 1 | J a n 1 | J u n 1 | J a n 1 | J u n 1 | | J a n 1 | J u n 1 | J a n 1 | J u n 1 |
| 1 | 150 | 153 | 158 | 165 | 164 | 165 | 167 | 165 | 165 | 165 | 167 | 168 | 169 | 170 | 174 | 178 | 182 | 182 | 184 | 185 | 186 | 184 | 184 | 181 | 1 |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 4 | 221 | 222 | 231 | 229 | 236 | 232 | 244 | 241 | 254 | 251 | 258 | 261 | 267 | 271 | 275 | 270 | 279 | 276 | 277 | 271 | 270 | 263 | 273 | 266 | 4 |
| 5 | 234 | 234 | 234 | 240 | 246 | 254 | 261 | 271 | 274 | 284 | 285 | 291 | 297 | 300 | 304 | 312 | 318 | 322 | 326 | 328 | 327 | 328 | 329 | 330 | 5 |
| 6 | 289 | 293 | 298 | 309 | 312 | 319 | 325 | 328 | 333 | 337 | 343 | 348 | 348 | 351 | 353 | 360 | 362 | 368 | 370 | 374 | 377 | 382 | 383 | 388 | 6 |
| 7 | 273 | 279 | 286 | 294 | 298 | 305 | 309 | 316 | 318 | 322 | 324 | 328 | 332 | 336 | 338 | 345 | 349 | 354 | 356 | 359 | 361 | 364 | 366 | 368 | 7 |
| 8 | 206 | 210 | 215 | 218 | 221 | 228 | 230 | 234 | 235 | 240 | 240 | 243 | 244 | 250 | 250 | 254 | 254 | 258 | 258 | 260 | 260 | 262 | 263 | 265 | 8 |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 11 | 242 | 254 | 257 | 268 | 268 | 272 | 272 | 274 | 270 | 279 | 283 | 290 | 295 | 306 | 310 | 310 | 311 | 312 | 323 | 329 | 331 | 338 | 341 | 343 | 11 |
| 12 | 255 | 263 | 269 | 274 | 278 | 284 | 287 | 290 | 291 | 294 | 296 | 299 | 302 | 309 | 309 | 315 | 320 | 322 | 326 | 328 | 330 | 330 | 330 | 333 | 12 |
| 13 | 147 | 149 | 151 | 153 | 154 | 154 | 152 | 153 | 153 | 156 | 154 | 155 | 155 | 155 | 154 | 156 | 155 | 156 | 155 | 157 | 156 | 157 | 156 | 157 | 13 |
| 14 | 45 | 43 | 37 | 31 | 30 | 29 | 26 | 24 | 23 | 21 | 21 | 21 | 21 | 21 | 21 | 20 | 17 | 15 | 14 | 14 | 14 | 14 | 13 | 13 | 14 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 17 | 204 | 207 | 210 | 212 | 214 | 211 | 212 | 214 | 213 | 213 | 216 | 215 | 216 | 213 | 212 | 211 | 204 | 204 | 200 | 196 | 194 | 193 | 192 | 192 | 17 |
| 18 | 52 | 50 | 45 | 40 | 39 | 38 | 36 | 33 | 32 | 31 | 31 | 31 | 32 | 32 | 32 | 31 | 28 | 27 | 26 | 26 | 26 | 26 | 25 | 25 | 18 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| 21 | 278 | 284 | 289 | 291 | 291 | 292 | 296 | 302 | 303 | 304 | 309 | 317 | 316 | 324 | 329 | 327 | 334 | 333 | 336 | 339 | 331 | 336 | 338 | 342 | 21 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | 22 |
| 23 | 213 | 216 | 217 | 218 | 218 | 218 | 220 | 223 | 224 | 224 | 227 | 231 | 231 | 236 | 238 | 236 | 239 | 240 | 239 | 239 | 234 | 237 | 237 | 239 | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 27 | 80 | 80 | 81 | 81 | 81 | 82 | 81 | 82 | 84 | 85 | 86 | 87 | 87 | 87 | 89 | 89 | 91 | 91 | 91 | 93 | 94 | 95 | 95 | 96 | 27 |
| 28 | 117 | 117 | 117 | 118 | 118 | 118 | 116 | 116 | 117 | 118 | 119 | 120 | 119 | 120 | 120 | 121 | 121 | 122 | 123 | 125 | 125 | 123 | 123 | 124 | 28 |
| 29 | 140 | 141 | 142 | 144 | 145 | 144 | 145 | 146 | 147 | 147 | 147 | 149 | 150 | 150 | 152 | 149 | 149 | 146 | 146 | 145 | 143 | 143 | 142 | 143 | 29 |
| 30 | 36 | 35 | 35 | 35 | 35 | 34 | 34 | 34 | 37 | 38 | 39 | 39 | 39 | 39 | 37 | 37 | 37 | 38 | 35 | 36 | 36 | 36 | 36 | 35 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| 32 | 205 | 209 | 212 | 214 | 216 | 213 | 213 | 215 | 214 | 214 | 213 | 216 | 215 | 216 | 213 | 212 | 211 | 204 | 204 | 200 | 196 | 195 | 194 | 192 | 32 |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | 33 |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | 34 |
| 35 | 278 | 285 | 291 | 295 | 300 | 304 | 310 | 315 | 319 | 327 | 331 | 338 | 352 | 365 | 368 | 369 | 379 | 385 | 400 | 402 | 406 | 413 | 418 | 421 | 35 |
| 36 | 226 | 237 | 257 | 275 | 273 | 277 | 282 | 277 | 279 | 275 | 281 | 282 | 283 | 282 | 294 | 310 | 319 | 323 | 325 | 328 | 333 | 324 | 322 | 314 | 36 |
| 37 | 94 | 87 | 85 | 89 | 89 | 89 | 90 | 90 | 89 | 90 | 89 | 89 | 88 | 87 | 88 | 89 | 90 | 91 | 91 | 92 | 93 | 94 | 94 | 95 | 37 |
| 38 | 210 | 221 | 244 | 265 | 261 | 265 | 270 | 261 | 263 | 256 | 262 | 260 | 260 | 257 | 270 | 289 | 299 | 304 | 305 | 308 | 312 | 299 | 297 | 285 | 38 |
| 39 | 84 | 75 | 73 | 77 | 76 | 76 | 77 | 77 | 76 | 76 | 75 | 74 | 73 | 72 | 72 | 73 | 74 | 75 | 75 | 76 | 76 | 77 | 77 | 77 | 39 |
| 40 | 204 | 215 | 240 | 262 | 257 | 261 | 265 | 256 | 257 | 249 | 256 | 253 | 252 | 249 | 262 | 283 | 293 | 298 | 298 | 301 | 306 | 291 | 288 | 275 | 40 |
| 41 | 82 | 73 | 71 | 75 | 74 | 74 | 75 | 75 | 74 | 74 | 73 | 72 | 71 | 69 | 70 | 71 | 72 | 73 | 73 | 74 | 74 | 74 | 75 | 75 | 41 |
| 42 | 235 | 244 | 260 | 274 | 274 | 277 | 283 | 278 | 282 | 279 | 285 | 286 | 287 | 288 | 298 | 310 | 319 | 323 | 324 | 327 | 332 | 325 | 325 | 319 | 42 |
| 43 | 114 | 107 | 106 | 111 | 111 | 111 | 113 | 113 | 113 | 114 | 113 | 114 | 113 | 113 | 114 | 115 | 118 | 119 | 120 | 121 | 122 | 123 | 123 | 123 | 43 |
| 44 | 227 | 238 | 257 | 275 | 273 | 277 | 282 | 277 | 279 | 275 | 281 | 282 | 282 | 282 | 293 | 309 | 318 | 323 | 324 | 328 | 333 | 324 | 322 | 314 | 44 |
| 45 | 95 | 87 | 85 | 90 | 89 | 89 | 90 | 91 | 90 | 90 | 89 | 89 | 88 | 87 | 88 | 89 | 91 | 92 | 92 | 93 | 94 | 94 | 95 | 95 | 45 |
| 46 | 249 | 261 | 270 | 278 | 279 | 283 | 290 | 291 | 293 | 298 | 302 | 305 | 307 | 312 | 320 | 324 | 329 | 332 | 334 | 337 | 341 | 344 | 342 | 342 | 46 |
| 47 | 269 | 277 | 301 | 309 | 311 | 309 | 316 | 308 | 307 | 310 | 314 | 320 | 325 | 331 | 336 | 340 | 345 | 347 | 350 | 353 | 355 | 358 | 362 | 366 | 47 |
| 48 | | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 |
| 54 | | | | | | | | | | | | | | | | | | | | | | | | | 54 |

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| L I N E N O | PLANT IN SERVICE DESCRIPTION | F C C A c c e t | COST INDEX NUMBER | | | | | | | | | | | | | | L I N E N O | | |
|--------------------------------|--------------------------------------|--|-------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|--------------------------------|------------------|-----------------------|
| | | | 2000 | | 2001 | | 2002 | | 2003 | | 2004 | | 2005 | | 2006 | | | 2007 | |
| | | | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | | J a n 1 | J u l y 1 |
| 1 | Total Plant..... | | 182 | 185 | 188 | 190 | 191 | 193 | 194 | 197 | 201 | 206 | 210 | 213 | 227 | 244 | 244 | 249 | 1 |
| 2 | | | | | | | | | | | | | | | | | | 2 | |
| 3 | | | | | | | | | | | | | | | | | | 3 | |
| 4 | Motor Vehicles..... | 2112 | 275 | 269 | 276 | 266 | 270 | 263 | 264 | 257 | 268 | 266 | 272 | 261 | 262 | 258 | 264 | 257 | 4 |
| 5 | Aircraft..... | 2113 | 334 | 343 | 351 | 359 | 362 | 364 | 369 | 377 | 387 | 393 | 408 | 417 | 424 | 438 | 447 | 450 | 5 |
| 6 | Special Purpose Vehicles..... | 2114 | 388 | 392 | 392 | 392 | 392 | 398 | 400 | 404 | 404 | 413 | 428 | 445 | 449 | 462 | 465 | 472 | 6 |
| 7 | Garage Work Equipment..... | 2115 | 369 | 372 | 373 | 377 | 376 | 376 | 377 | 378 | 379 | 387 | 393 | 403 | 408 | 416 | 422 | 430 | 7 |
| 8 | Other Work Equipment..... | 2116 | 266 | 267 | 268 | 273 | 271 | 272 | 271 | 273 | 273 | 275 | 276 | 278 | 278 | 275 | 278 | 279 | 8 |
| 9 | | | | | | | | | | | | | | | | | | 9 | |
| 10 | | | | | | | | | | | | | | | | | | 10 | |
| 11 | Buildings..... | 2121 | 353 | 359 | 364 | 374 | 377 | 384 | 385 | 385 | 407 | 412 | 425 | 431 | 441 | 443 | 457 | 472 | 11 |
| 12 | Furniture..... | 2122 | 335 | 337 | 338 | 341 | 341 | 341 | 344 | 346 | 346 | 350 | 360 | 368 | 372 | 376 | 380 | 386 | 12 |
| 13 | Office Equipment..... | 2123 | 156 | 157 | 157 | 158 | 159 | 158 | 158 | 157 | 159 | 160 | 158 | 162 | 161 | 161 | 160 | 161 | 13 |
| 14 | General Purpose Computer..... | 2124 | 12 | 11 | 9 | 9 | 7 | 7 | 6 | 4.8 | 3.4 | 3.4 | 3.3 | 3.3 | 3.0 | 2.8 | 2.6 | 2.7 | 14 |
| 15 | | | | | | | | | | | | | | | | | | 15 | |
| 16 | | | | | | | | | | | | | | | | | | 16 | |
| 17 | Analog Electronic Switching..... | 2211 | 193 | 193 | 193 | 190 | 189 | 190 | 189 | 190 | 189 | 190 | 190 | 189 | 187 | 193 | 196 | 186 | 17 |
| 18 | Digital Electronic Switching..... | 2212 | 25 | 24 | 22 | 23 | 23 | 23 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 23 | 23 | 23 | 18 |
| 19 | | | | | | | | | | | | | | | | | | 19 | |
| 20 | | | | | | | | | | | | | | | | | | 20 | |
| 21 | Electro Mechanical Switching..... | 2215 | 344 | 348 | 350 | 358 | 366 | 376 | 379 | 386 | 391 | 395 | 403 | 405 | 414 | 421 | 430 | 432 | 21 |
| 22 | | | | | | | | | | | | | | | | | | 22 | |
| 23 | Operator Systems..... | 2220 | 241 | 242 | 243 | 247 | 251 | 257 | 258 | 261 | 264 | 266 | 271 | 272 | 276 | 282 | 287 | 287 | 23 |
| 24 | | | | | | | | | | | | | | | | | | 24 | |
| 25 | | | | | | | | | | | | | | | | | | 25 | |
| 26 | | | | | | | | | | | | | | | | | | 26 | |
| 27 | Radio System—Analog..... | 22311 | 96 | 96 | 96 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | 95 | 95 | 94 | 97 | 98 | 94 | 27 |
| 28 | Radio Systems—Digital..... | 22312 | 125 | 125 | 126 | 127 | 128 | 127 | 125 | 125 | 125 | 126 | 127 | 127 | 128 | 129 | 130 | 130 | 28 |
| 29 | Circuit Equipment—Analog..... | 22321 | 143 | 144 | 144 | 142 | 143 | 143 | 143 | 144 | 143 | 145 | 145 | 145 | 144 | 148 | 150 | 144 | 29 |
| 30 | Circuit Equipment—Digital..... | 22322 | 36 | 36 | 36 | 37 | 37 | 38 | 38 | 39 | 38 | 38 | 39 | 39 | 39 | 40 | 40 | 41 | 30 |
| 31 | | | | | | | | | | | | | | | | | | 31 | |
| 32 | Public Telephone Term Eq..... | 2351 | 193 | 193 | 193 | 191 | 190 | 190 | 190 | 191 | 190 | 191 | 190 | 189 | 187 | 193 | 195 | 186 | 32 |
| 33 | | | | | | | | | | | | | | | | | | 33 | |
| 34 | | | | | | | | | | | | | | | | | | 34 | |
| 35 | Poles..... | 2411 | 421 | 429 | 434 | 446 | 451 | 459 | 463 | 472 | 477 | 490 | 495 | 503 | 502 | 521 | 526 | 529 | 35 |
| 36 | Aerial Cable—Metallic..... | 24211 | 313 | 322 | 328 | 333 | 335 | 338 | 340 | 349 | 357 | 371 | 379 | 386 | 430 | 486 | 477 | 492 | 36 |
| 37 | Aerial Cable—Fiber..... | 24212 | 96 | 98 | 100 | 102 | 104 | 105 | 105 | 108 | 110 | 112 | 114 | 116 | 118 | 119 | 121 | 122 | 37 |
| 38 | Underground Cable—Metallic..... | 24221 | 281 | 289 | 295 | 299 | 298 | 299 | 299 | 307 | 314 | 326 | 334 | 340 | 394 | 461 | 448 | 466 | 38 |
| 39 | Underground Cable—Fiber..... | 24222 | 78 | 80 | 82 | 83 | 84 | 86 | 85 | 87 | 89 | 91 | 92 | 94 | 95 | 96 | 98 | 98 | 39 |
| 40 | Buried Cable—Metallic..... | 24231 | 271 | 278 | 284 | 287 | 285 | 289 | 286 | 293 | 300 | 312 | 320 | 326 | 383 | 456 | 441 | 460 | 40 |
| 41 | Buried Cable—Fiber..... | 24232 | 76 | 77 | 79 | 80 | 81 | 83 | 82 | 84 | 85 | 87 | 89 | 90 | 91 | 92 | 93 | 94 | 41 |
| 42 | Submarine Cable—Metallic..... | 24241 | 320 | 327 | 334 | 338 | 341 | 343 | 346 | 353 | 362 | 372 | 379 | 384 | 417 | 459 | 454 | 466 | 42 |
| 43 | Submarine Cable—Fiber..... | 24242 | 125 | 127 | 130 | 132 | 134 | 136 | 136 | 138 | 141 | 144 | 146 | 148 | 149 | 150 | 153 | 154 | 43 |
| 44 | Intra Building Cable—Metallic..... | 24261 | 313 | 322 | 328 | 333 | 335 | 338 | 340 | 349 | 357 | 370 | 378 | 385 | 429 | 483 | 474 | 489 | 44 |
| 45 | Intra Building Cable—Fiber..... | 24262 | 97 | 99 | 101 | 103 | 104 | 106 | 106 | 108 | 110 | 113 | 115 | 117 | 118 | 120 | 121 | 122 | 45 |
| 46 | Aerial Wire..... | 2431 | 348 | 355 | 362 | 368 | 372 | 377 | 381 | 391 | 399 | 412 | 419 | 427 | 446 | 466 | 465 | 472 | 46 |
| 47 | Conduit Systems..... | 2441 | 375 | 380 | 391 | 395 | 403 | 412 | 418 | 422 | 432 | 442 | 453 | 458 | 474 | 478 | 495 | 493 | 47 |
| 48 | | | | | | | | | | | | | | | | | | 48 | |
| 49 | Aerial Cable-FTTP (Distribution)... | 24213 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 97 | 95 | 92 | 89 | 88 | 87 | 49 |
| 50 | Underground Cable-FTTP (Dist.)... | 24223 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 99 | 98 | 98 | 97 | 96 | 96 | 50 |
| 51 | Buried Cable-FTTP (Distribution).. | 24233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 102 | 105 | 104 | 103 | 103 | 102 | 51 |
| 52 | Submarine Cable-FTTP (Dist.)..... | 24243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 99 | 98 | 98 | 97 | 96 | 96 | 52 |
| 53 | Intra Building Cable-FTTP (Dist.)... | 24263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 101 | 103 | 103 | 53 |
| 54 | | | | | | | | | | | | | | | | | | 54 | |

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NORTH ATLANTIC REGION 1973=100

| L I N E N O | COST INDEX NUMBER | | | | | | | | | | | | | | | | | | | | | | | | L I N E N O |
|--------------------------------|-------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|--|----|--------------------------------|
| | 2008 | | 2009 | | 2010 | | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | | 2018 | | | | |
| | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | J a n 1 | J u l y 1 | | | |
| 1 | 251 | 256 | 245 | 248 | 258 | 260 | 279 | 282 | 282 | 282 | 285 | 283 | 284 | 285 | 289 | 287 | 283 | 282 | 288 | 290 | 297 | | | | 1 |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 4 | 263 | 257 | 272 | 273 | 274 | 269 | 272 | 273 | 280 | 279 | 286 | 282 | 291 | 287 | 291 | 295 | 299 | 298 | 305 | 301 | 307 | | | | 4 |
| 5 | 461 | 471 | 495 | 480 | 485 | 490 | 497 | 502 | 514 | 520 | 523 | 528 | 532 | 537 | 541 | 543 | 543 | 547 | 548 | 553 | 557 | | | | 5 |
| 6 | 476 | 485 | 499 | 504 | 503 | 503 | 507 | 518 | 529 | 541 | 548 | 555 | 557 | 564 | 566 | 570 | 572 | 576 | 577 | 581 | 583 | | | | 6 |
| 7 | 435 | 445 | 457 | 457 | 456 | 458 | 462 | 474 | 479 | 485 | 489 | 494 | 497 | 503 | 505 | 509 | 510 | 513 | 514 | 519 | 522 | | | | 7 |
| 8 | 281 | 286 | 290 | 286 | 286 | 288 | 288 | 290 | 291 | 294 | 295 | 296 | 304 | 307 | 309 | 315 | 318 | 322 | 322 | 324 | 327 | | | | 8 |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 11 | 492 | 497 | 506 | 494 | 506 | 507 | 521 | 518 | 530 | 532 | 542 | 539 | 550 | 552 | 585 | 580 | 586 | 589 | 604 | 608 | 608 | | | | 11 |
| 12 | 389 | 402 | 417 | 415 | 418 | 420 | 415 | 429 | 433 | 437 | 433 | 437 | 439 | 450 | 449 | 454 | 454 | 455 | 457 | 461 | 464 | | | | 12 |
| 13 | 162 | 171 | 184 | 171 | 169 | 169 | 170 | 171 | 173 | 173 | 164 | 165 | 166 | 166 | 171 | 172 | 172 | 172 | 173 | 171 | 171 | | | | 13 |
| 14 | 2.7 | 2.6 | 2.6 | 2.1 | 2.01 | 1.98 | 1.97 | 1.49 | 0.82 | 0.66 | 0.67 | 0.50 | 0.57 | 0.60 | 0.55 | 0.63 | 0.64 | 0.65 | 0.73 | 0.71 | 0.67 | | | | 14 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 17 | 180 | 179 | 178 | 178 | 177 | 177 | 174 | 175 | 174 | 174 | 174 | 175 | 176 | 176 | 176 | 176 | 177 | 177 | 177 | 179 | 177 | | | | 17 |
| 18 | 24 | 24 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 27 | 27 | 27 | 27 | 28 | 28 | 28 | 28 | 29 | 29 | | | | 18 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| 21 | 439 | 445 | 456 | 458 | 460 | 469 | 474 | 481 | 486 | 478 | 484 | 491 | 497 | 495 | 499 | 499 | 496 | 496 | 502 | 502 | 510 | | | | 21 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | 22 |
| 23 | 288 | 292 | 297 | 299 | 300 | 305 | 307 | 311 | 313 | 309 | 312 | 317 | 320 | 319 | 322 | 322 | 320 | 321 | 324 | 325 | 329 | | | | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 27 | 91 | 90 | 90 | 90 | 89 | 89 | 88 | 89 | 88 | 88 | 88 | 88 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 90 | 90 | | | | 27 |
| 28 | 131 | 132 | 134 | 134 | 135 | 137 | 138 | 138 | 137 | 138 | 138 | 138 | 138 | 138 | 139 | 140 | 140 | 140 | 140 | 141 | 141 | | | | 28 |
| 29 | 140 | 139 | 139 | 139 | 138 | 138 | 137 | 138 | 137 | 137 | 137 | 138 | 139 | 139 | 140 | 140 | 141 | 141 | 141 | 142 | 142 | | | | 29 |
| 30 | 41 | 41 | 41 | 41 | 40 | 40 | 40 | 41 | 41 | 42 | 42 | 42 | 43 | 43 | 44 | 44 | 44 | 45 | 45 | 45 | 46 | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| 32 | 180 | 179 | 177 | 178 | 177 | 177 | 174 | 175 | 173 | 174 | 173 | 174 | 175 | 175 | 176 | 176 | 177 | 176 | 177 | 179 | 177 | | | | 32 |
| 33 | | | | | | | | | | | | | | | | | | | | | | | | | 33 |
| 34 | | | | | | | | | | | | | | | | | | | | | | | | | 34 |
| 35 | 537 | 547 | 554 | 563 | 570 | 578 | 576 | 587 | 594 | 600 | 603 | 607 | 605 | 616 | 620 | 621 | 629 | 633 | 634 | 651 | 657 | | | | 35 |
| 36 | 494 | 507 | 461 | 473 | 506 | 509 | 573 | 582 | 577 | 576 | 582 | 572 | 573 | 573 | 578 | 570 | 555 | 551 | 566 | 568 | 591 | | | | 36 |
| 37 | 123 | 124 | 126 | 127 | 128 | 130 | 131 | 133 | 135 | 136 | 137 | 138 | 140 | 142 | 143 | 144 | 146 | 148 | 149 | 151 | 153 | | | | 37 |
| 38 | 465 | 481 | 421 | 435 | 475 | 476 | 555 | 562 | 554 | 552 | 556 | 544 | 542 | 540 | 544 | 533 | 513 | 506 | 523 | 524 | 549 | | | | 38 |
| 39 | 100 | 100 | 102 | 103 | 103 | 105 | 106 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 116 | 116 | 118 | 119 | 120 | 122 | 123 | | | | 39 |
| 40 | 459 | 475 | 410 | 425 | 467 | 467 | 553 | 560 | 550 | 547 | 552 | 538 | 536 | 533 | 537 | 524 | 501 | 493 | 511 | 511 | 537 | | | | 40 |
| 41 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 111 | 111 | 113 | 114 | 115 | 116 | 118 | | | | 41 |
| 42 | 468 | 479 | 447 | 458 | 484 | 486 | 535 | 541 | 539 | 540 | 545 | 539 | 541 | 542 | 547 | 544 | 534 | 532 | 546 | 548 | 566 | | | | 42 |
| 43 | 155 | 157 | 159 | 161 | 163 | 164 | 166 | 168 | 170 | 172 | 173 | 174 | 177 | 179 | 181 | 183 | 185 | 187 | 189 | 191 | 194 | | | | 43 |
| 44 | 491 | 504 | 459 | 471 | 504 | 507 | 570 | 578 | 573 | 573 | 578 | 569 | 569 | 570 | 575 | 567 | 553 | 549 | 564 | 566 | 588 | | | | 44 |
| 45 | 124 | 125 | 127 | 128 | 129 | 131 | 132 | 134 | 135 | 137 | 138 | 139 | 141 | 142 | 144 | 145 | 147 | 148 | 150 | 152 | 154 | | | | 45 |
| 46 | 475 | 488 | 469 | 478 | 496 | 501 | 519 | 528 | 525 | 527 | 531 | 530 | 533 | 538 | 543 | 543 | 540 | 541 | 551 | 556 | 569 | | | | 46 |
| 47 | 502 | 507 | 525 | 530 | 516 | 521 | 526 | 532 | 545 | 550 | 549 | 552 | 559 | 565 | 571 | 577 | 581 | 586 | 591 | 596 | 604 | | | | 47 |
| 48 | | | | | | | | | | | | | | | | | | | | | | | | | 48 |
| 49 | 82 | 77 | 75 | 73 | 65 | 58 | 55 | 53 | 52 | 50 | 50 | 50 | 50 | 50 | 50 | 49 | 50 | 49 | 49 | 50 | 50 | | | | 49 |
| 50 | 94 | 92 | 89 | 87 | 83 | 80 | 75 | 70 | 66 | 62 | 58 | 54 | 54 | 54 | 53 | 53 | 54 | 54 | 54 | 53 | 52 | | | | 50 |
| 51 | 92 | 82 | 78 | 74 | 71 | 68 | 66 | 63 | 61 | 59 | 57 | 54 | 54 | 55 | 54 | 54 | 54 | 53 | 53 | 54 | 54 | | | | 51 |
| 52 | 94 | 92 | 89 | 87 | 83 | 80 | 75 | 70 | 66 | 62 | 58 | 54 | 54 | 54 | 53 | 53 | 54 | 54 | 54 | 53 | 52 | | | | 52 |
| 53 | 104 | 105 | 90 | 75 | 68 | 61 | 54 | 47 | 43 | 39 | 39 | 39 | 39 | 39 | 38 | 38 | 39 | 44 | 43 | 43 | | | | 53 | |
| 54 | | | | | | | | | | | | | | | | | | | | | | | | | 54 |

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| Index | Table | Region | Year | Begin Date | End Date | CPI | 1 Communic Equipment pcu3342 | 2 Technical Labor ecu11221 linked CIU20154 | 3 1985 |
|---------------|-------|--------|------|------------|------------|-----|---------------------------------------|---|-----------|
| Earliest Year | | | | | | | 1913 | 1986 | 1985 |
| Index | Table | Region | | | | | 1 | 2 | 3 |
| BLS | BLS | All | 1991 | 1/1/1991 | 12/31/1991 | 136 | ✓ | 109 | 84 |
| BLS | BLS | All | 1992 | 1/1/1992 | 12/31/1992 | 140 | | 110 | 88 |
| BLS | BLS | All | 1993 | 1/1/1993 | 12/31/1993 | 145 | | 112 | 92 |
| BLS | BLS | All | 1994 | 1/1/1994 | 12/31/1994 | 148 | | 113 | 95 |
| BLS | BLS | All | 1995 | 1/1/1995 | 12/31/1995 | 152 | | 114 | 97 |
| BLS | BLS | All | 1996 | 1/1/1996 | 12/31/1996 | 157 | | 115 | 100 |
| BLS | BLS | All | 1997 | 1/1/1997 | 12/31/1997 | 161 | | 116 | 102 |
| BLS | BLS | All | 1998 | 1/1/1998 | 12/31/1998 | 163 | | 115 | 106 |
| BLS | BLS | All | 1999 | 1/1/1999 | 12/31/1999 | 167 | | 113 | 109 |
| BLS | BLS | All | 2000 | 1/1/2000 | 12/31/2000 | 172 | | 110 | 114 |
| BLS | BLS | All | 2001 | 1/1/2001 | 12/31/2001 | 177 | | 109 | 119 |
| BLS | BLS | All | 2002 | 1/1/2002 | 12/31/2002 | 180 | | 105 | 123 |
| BLS | BLS | All | 2003 | 1/1/2003 | 12/31/2003 | 184 | | 102 | 127 |
| BLS | BLS | All | 2004 | 1/1/2004 | 12/31/2004 | 189 | | 98 | 132 |
| BLS | BLS | All | 2005 | 1/1/2005 | 12/31/2005 | 195 | | 97 | 135 |
| BLS | BLS | All | 2006 | 1/1/2006 | 12/31/2006 | 202 | | 97 | 139 |
| BLS | BLS | All | 2007 | 1/1/2007 | 12/31/2007 | 207 | | 96 | 146 |
| BLS | BLS | All | 2008 | 1/1/2008 | 12/31/2008 | 215 | | 97 | 152 |
| BLS | BLS | All | 2009 | 1/1/2009 | 12/31/2009 | 215 | | 97 | 155 |
| BLS | BLS | All | 2010 | 1/1/2010 | 12/31/2010 | 218 | | 97 | 157 |
| BLS | BLS | All | 2011 | 1/1/2011 | 12/31/2011 | 225 | | 96 | 161 |
| BLS | BLS | All | 2012 | 1/1/2012 | 12/31/2012 | 230 | | 96 | 164 |
| BLS | BLS | All | 2013 | 1/1/2013 | 12/31/2013 | 233 | | 95 | 167 |
| BLS | BLS | All | 2014 | 1/1/2014 | 12/31/2014 | 237 | | 96 | 170 |
| BLS | BLS | All | 2015 | 1/1/2015 | 12/31/2015 | 237 | | 96 | 173 |
| BLS | BLS | All | 2016 | 1/1/2016 | 12/31/2016 | 240 | | 96 | 176 |
| BLS | BLS | All | 2017 | 1/1/2017 | 12/31/2017 | 245 | | 94 | 179 |
| BLS | BLS | All | 2018 | 1/1/2018 | 12/31/2018 | 247 | | 94 | 180 |

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| Index | Table | Region | Year | Begin Date | End Date | CPI | 1 | 2 | 3 |
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| | | | | | | | Communic | Technical | |
| | | | | | | | Equipment | Labor | |
| | | | | | | | pcu3342 | ecu11221 | |
| | | | | | | | linked | | |
| | | | | | | | CIU20154 | | |
| Earliest Year | | | | | | | 1913 | 1986 | 1985 |
| Index | Table | Region | | | | | 1 | 2 | 3 |
| BLS | BLS | All | 1913 | 1/1/1913 | 12/31/1913 | 10 | 7 | 6 | |
| BLS | BLS | All | 1914 | 1/1/1914 | 12/31/1914 | 10 | 7 | 6 | |
| BLS | BLS | All | 1915 | 1/1/1915 | 12/31/1915 | 10 | 7 | 6 | |
| BLS | BLS | All | 1916 | 1/1/1916 | 12/31/1916 | 11 | 8 | 7 | |
| BLS | BLS | All | 1917 | 1/1/1917 | 12/31/1917 | 13 | 10 | 8 | |
| BLS | BLS | All | 1918 | 1/1/1918 | 12/31/1918 | 15 | 11 | 9 | |
| BLS | BLS | All | 1919 | 1/1/1919 | 12/31/1919 | 17 | 12 | 10 | |
| BLS | BLS | All | 1920 | 1/1/1920 | 12/31/1920 | 20 | 14 | 12 | |
| BLS | BLS | All | 1921 | 1/1/1921 | 12/31/1921 | 18 | 13 | 11 | |
| BLS | BLS | All | 1922 | 1/1/1922 | 12/31/1922 | 17 | 12 | 10 | |
| BLS | BLS | All | 1923 | 1/1/1923 | 12/31/1923 | 17 | 12 | 10 | |
| BLS | BLS | All | 1924 | 1/1/1924 | 12/31/1924 | 17 | 12 | 10 | |
| BLS | BLS | All | 1925 | 1/1/1925 | 12/31/1925 | 18 | 13 | 11 | |
| BLS | BLS | All | 1926 | 1/1/1926 | 12/31/1926 | 18 | 13 | 11 | |
| BLS | BLS | All | 1927 | 1/1/1927 | 12/31/1927 | 17 | 12 | 10 | |
| BLS | BLS | All | 1928 | 1/1/1928 | 12/31/1928 | 17 | 12 | 10 | |
| BLS | BLS | All | 1929 | 1/1/1929 | 12/31/1929 | 17 | 12 | 10 | |
| BLS | BLS | All | 1930 | 1/1/1930 | 12/31/1930 | 17 | 12 | 10 | |
| BLS | BLS | All | 1931 | 1/1/1931 | 12/31/1931 | 15 | 11 | 9 | |
| BLS | BLS | All | 1932 | 1/1/1932 | 12/31/1932 | 14 | 10 | 8 | |
| BLS | BLS | All | 1933 | 1/1/1933 | 12/31/1933 | 13 | 9 | 7 | |
| BLS | BLS | All | 1934 | 1/1/1934 | 12/31/1934 | 13 | 9 | 7 | |
| BLS | BLS | All | 1935 | 1/1/1935 | 12/31/1935 | 14 | 10 | 7 | |
| BLS | BLS | All | 1936 | 1/1/1936 | 12/31/1936 | 14 | 10 | 7 | |
| BLS | BLS | All | 1937 | 1/1/1937 | 12/31/1937 | 14 | 10 | 7 | |
| BLS | BLS | All | 1938 | 1/1/1938 | 12/31/1938 | 14 | 10 | 7 | |
| BLS | BLS | All | 1939 | 1/1/1939 | 12/31/1939 | 14 | 10 | 7 | |
| BLS | BLS | All | 1940 | 1/1/1940 | 12/31/1940 | 14 | 10 | 7 | |
| BLS | BLS | All | 1941 | 1/1/1941 | 12/31/1941 | 15 | 11 | 8 | |
| BLS | BLS | All | 1942 | 1/1/1942 | 12/31/1942 | 16 | 12 | 9 | |
| BLS | BLS | All | 1943 | 1/1/1943 | 12/31/1943 | 17 | 13 | 10 | |
| BLS | BLS | All | 1944 | 1/1/1944 | 12/31/1944 | 18 | 14 | 11 | |
| BLS | BLS | All | 1945 | 1/1/1945 | 12/31/1945 | 18 | 14 | 11 | |
| BLS | BLS | All | 1946 | 1/1/1946 | 12/31/1946 | 20 | 16 | 12 | |
| BLS | BLS | All | 1947 | 1/1/1947 | 12/31/1947 | 22 | 18 | 13 | |
| BLS | BLS | All | 1948 | 1/1/1948 | 12/31/1948 | 24 | 20 | 14 | |
| BLS | BLS | All | 1949 | 1/1/1949 | 12/31/1949 | 24 | 20 | 14 | |
| BLS | BLS | All | 1950 | 1/1/1950 | 12/31/1950 | 24 | 20 | 14 | |
| BLS | BLS | All | 1951 | 1/1/1951 | 12/31/1951 | 26 | 22 | 15 | |

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| | | | | | | | Communic | Technical | |
| | | | | | | | Equipment | Labor | |
| | | | | | | | pcu3342 | ecu11221 | |
| | | | | | | | linked | | |
| | | | | | | | CIU20154 | | |
| Earliest Year | | | | | | | 1913 | 1986 | 1985 |
| Index | Table | Region | | | | | 1 | 2 | 3 |
| BLS | BLS | All | 1952 | 1/1/1952 | 12/31/1952 | 27 | 23 | 16 | |
| BLS | BLS | All | 1953 | 1/1/1953 | 12/31/1953 | 27 | 23 | 16 | |
| BLS | BLS | All | 1954 | 1/1/1954 | 12/31/1954 | 27 | 23 | 16 | |
| BLS | BLS | All | 1955 | 1/1/1955 | 12/31/1955 | 27 | 23 | 16 | |
| BLS | BLS | All | 1956 | 1/1/1956 | 12/31/1956 | 27 | 23 | 16 | |
| BLS | BLS | All | 1957 | 1/1/1957 | 12/31/1957 | 28 | 24 | 17 | |
| BLS | BLS | All | 1958 | 1/1/1958 | 12/31/1958 | 29 | 25 | 18 | |
| BLS | BLS | All | 1959 | 1/1/1959 | 12/31/1959 | 29 | 25 | 18 | |
| BLS | BLS | All | 1960 | 1/1/1960 | 12/31/1960 | 30 | 26 | 19 | |
| BLS | BLS | All | 1961 | 1/1/1961 | 12/31/1961 | 30 | 26 | 19 | |
| BLS | BLS | All | 1962 | 1/1/1962 | 12/31/1962 | 30 | 26 | 19 | |
| BLS | BLS | All | 1963 | 1/1/1963 | 12/31/1963 | 31 | 27 | 20 | |
| BLS | BLS | All | 1964 | 1/1/1964 | 12/31/1964 | 31 | 27 | 20 | |
| BLS | BLS | All | 1965 | 1/1/1965 | 12/31/1965 | 32 | 28 | 21 | |
| BLS | BLS | All | 1966 | 1/1/1966 | 12/31/1966 | 32 | 28 | 21 | |
| BLS | BLS | All | 1967 | 1/1/1967 | 12/31/1967 | 33 | 29 | 22 | |
| BLS | BLS | All | 1968 | 1/1/1968 | 12/31/1968 | 35 | 31 | 23 | |
| BLS | BLS | All | 1969 | 1/1/1969 | 12/31/1969 | 37 | 33 | 24 | |
| BLS | BLS | All | 1970 | 1/1/1970 | 12/31/1970 | 39 | 35 | 25 | |
| BLS | BLS | All | 1971 | 1/1/1971 | 12/31/1971 | 41 | 37 | 26 | |
| BLS | BLS | All | 1972 | 1/1/1972 | 12/31/1972 | 42 | 38 | 27 | |
| BLS | BLS | All | 1973 | 1/1/1973 | 12/31/1973 | 44 | 40 | 28 | |
| BLS | BLS | All | 1974 | 1/1/1974 | 12/31/1974 | 49 | 44 | 31 | |
| BLS | BLS | All | 1975 | 1/1/1975 | 12/31/1975 | 54 | 49 | 34 | |
| BLS | BLS | All | 1976 | 1/1/1976 | 12/31/1976 | 57 | 52 | 36 | |
| BLS | BLS | All | 1977 | 1/1/1977 | 12/31/1977 | 61 | 56 | 38 | |
| BLS | BLS | All | 1978 | 1/1/1978 | 12/31/1978 | 65 | 60 | 40 | |
| BLS | BLS | All | 1979 | 1/1/1979 | 12/31/1979 | 73 | 67 | 45 | |
| BLS | BLS | All | 1980 | 1/1/1980 | 12/31/1980 | 82 | 75 | 50 | |
| BLS | BLS | All | 1981 | 1/1/1981 | 12/31/1981 | 91 | 83 | 55 | |
| BLS | BLS | All | 1982 | 1/1/1982 | 12/31/1982 | 97 | 89 | 59 | |
| BLS | BLS | All | 1983 | 1/1/1983 | 12/31/1983 | 100 | 92 | 61 | |
| BLS | BLS | All | 1984 | 1/1/1984 | 12/31/1984 | 104 | 96 | 63 | |
| BLS | BLS | All | 1985 | 1/1/1985 | 12/31/1985 | 108 | 100 | 65 | |
| BLS | BLS | All | 1986 | 1/1/1986 | 12/31/1986 | 110 | 102 | 66 | |
| BLS | BLS | All | 1987 | 1/1/1987 | 12/31/1987 | 114 | 104 | 69 | |
| BLS | BLS | All | 1988 | 1/1/1988 | 12/31/1988 | 118 | 104 | 72 | |
| BLS | BLS | All | 1989 | 1/1/1989 | 12/31/1989 | 124 | 106 | 76 | |
| BLS | BLS | All | 1990 | 1/1/1990 | 12/31/1990 | 131 | 108 | 80 | |

| Index | Table | Region | Year | Begin | End | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------------|-------|--------|------|----------|------------|---------------------|---------------------|---------------------|---------------|----------------------|---------------------|--------------------------------|
| | | | | | | Switch Gear | Relays | Battery Systems | Power Systems | Alarm Systems | Motors & Generators | Emergency Generators Means Ref |
| | | | | Date | Date | PCU3353 13335313 | PCU3353 14335314 | PCU3359 12335912 | Calculation | PCU33429 03342901 | PCU33531 2335312 | 26 32 13.13 2600 |
| | | | | | | 30% | 30% | 40% | Composite | | | |
| Earliest Year | | | | | | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 | 1987 |
| Index | Table | Region | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| POW | POW | All | 1987 | 1/1/1987 | 12/31/1987 | 103.6 | 103.9 | 125.0 | 112.3 | 100.1 | 110.8 | 83.4 |
| POW | POW | All | 1988 | 1/1/1988 | 12/31/1988 | 106.7 | 106.6 | 126.7 | 114.7 | 101.6 | 116.4 | 83.7 |
| POW | POW | All | 1989 | 1/1/1989 | 12/31/1989 | 113.5 | 110.9 | 133.5 | 120.7 | 104.3 | 123.3 | 83.9 |
| POW | POW | All | 1990 | 1/1/1990 | 12/31/1990 | 118.5 | 115.4 | 137.6 | 125.2 | 103.4 | 127.5 | 84.1 |
| POW | POW | All | 1991 | 1/1/1991 | 12/31/1991 | 121.8 | 120.5 | 142.7 | 129.8 | 101.9 | 129.7 | 84.3 |
| POW | POW | All | 1992 | 1/1/1992 | 12/31/1992 | 123.6 | 123.3 | 146.1 | 132.5 | 102.2 | 131.5 | 84.8 |
| POW | POW | All | 1993 | 1/1/1993 | 12/31/1993 | 125.9 | 126.9 | 149.3 | 135.6 | 103.2 | 133.5 | 85.0 |
| POW | POW | All | 1994 | 1/1/1994 | 12/31/1994 | 128.7 | 128.3 | 151.2 | 137.6 | 104.2 | 134.2 | 90.6 |
| POW | POW | All | 1995 | 1/1/1995 | 12/31/1995 | 132.4 | 130.7 | 154.5 | 140.7 | 106.5 | 137.5 | 95.1 |
| POW | POW | All | 1996 | 1/1/1996 | 12/31/1996 | 133.6 | 133.6 | 157.5 | 143.2 | 108.3 | 139.1 | 95.3 |
| POW | POW | All | 1997 | 1/1/1997 | 12/31/1997 | 135.0 | 137.8 | 158.3 | 145.2 | 109.4 | 138.6 | 99.1 |
| POW | POW | All | 1998 | 1/1/1998 | 12/31/1998 | 138.2 | 140.4 | 164.2 | 149.3 | 111.3 | 139.8 | 99.6 |
| POW | POW | All | 1999 | 1/1/1999 | 12/31/1999 | 141.0 | 142.8 | 165.5 | 151.3 | 109.4 | 139.9 | 99.8 |
| POW | POW | All | 2000 | 1/1/2000 | 12/31/2000 | 143.3 | 144.4 | 169.9 | 154.3 | 108.4 | 140.4 | 100.0 |
| POW | POW | All | 2001 | 1/1/2001 | 12/31/2001 | 147.6 | 148.2 | 178.2 | 160.0 | 109.0 | 141.6 | 102.9 |
| POW | POW | All | 2002 | 1/1/2002 | 12/31/2002 | 149.8 | 150.0 | 179.4 | 161.7 | 110.4 | 142.0 | 103.4 |
| POW | POW | All | 2003 | 1/1/2003 | 12/31/2003 | 151.1 | 152.3 | 165.1 | 157.1 | 110.8 | 142.4 | 103.8 |
| POW | POW | All | 2004 | 1/1/2004 | 12/31/2004 | 153.7 | 155.2 | 165.1 | 158.7 | 109.8 | 145.8 | 104.3 |
| POW | POW | All | 2005 | 1/1/2005 | 12/31/2005 | 160.4 | 160.0 | 166.9 | 162.9 | 110.6 | 154.4 | 104.7 |
| POW | POW | All | 2006 | 1/1/2006 | 12/31/2006 | 167.5 | 167.6 | 175.6 | 170.8 | 113.1 | 161.8 | 104.9 |
| POW | POW | All | 2007 | 1/1/2007 | 12/31/2007 | 179.4 | 173.0 | 182.5 | 178.7 | 113.8 | 169.6 | 111.0 |
| POW | POW | All | 2008 | 1/1/2008 | 12/31/2008 | 187.5 | 179.3 | 189.4 | 185.8 | 116.0 | 177.7 | 123.0 |
| POW | POW | All | 2009 | 1/1/2009 | 12/31/2009 | 193.1 | 184.7 | 193.4 | 190.7 | 116.8 | 181.8 | 126.4 |
| POW | POW | All | 2010 | 1/1/2010 | 12/31/2010 | 195.1 | 190.3 | 191.8 | 192.3 | 117.8 | 185.4 | 130.9 |
| POW | POW | All | 2011 | 1/1/2011 | 12/31/2011 | 192.2 | 194.5 | 192.8 | 193.1 | 118.4 | 196.5 | 130.9 |
| POW | POW | All | 2012 | 1/1/2012 | 12/31/2012 | 199.0 | 196.4 | 197.1 | 197.5 | 119.9 | 201.2 | 139.8 |
| POW | POW | All | 2013 | 1/1/2013 | 12/31/2013 | 201.5 | 200.1 | 195.5 | 198.7 | 121.5 | 203.2 | 121.9 |
| POW | POW | All | 2014 | 1/1/2014 | 12/31/2014 | 200.4 | 202.7 | 196.9 | 199.7 | 122.2 | 206.1 | 106.5 |
| POW | POW | All | 2015 | 1/1/2015 | 12/31/2015 | 199.3 | 205.7 | 195.1 | 199.5 | 122.4 | 206.4 | 111.9 |
| POW | POW | All | 2016 | 1/1/2016 | 12/31/2016 | 199.5 | 206.8 | 192.4 | 198.9 | 122.4 | 204.6 | 111.9 |
| POW | POW | All | 2017 | 1/1/2017 | 12/31/2017 | 200.4 | 209.9 | 191.4 | 199.7 | 122.6 | 206.5 | 111.9 |
| POW | POW | All | 2018 | 1/1/2018 | 12/31/2018 | 201.9 | 211.0 | 194.2 | 201.6 | 122.6 | 204.9 | 119.7 |