ELECTRIC LIGHT AND POWER INDUSTRY: 1937

INTRODUCTION AND GENERAL EXPLANATIONS

Scope of the census.—The Electric Light and Power industry is one of the four distinct industries covered by the Census of Electrical Industries, which has been taken quinquennially since 1902. The other three industries are street railways, telephones, and telegraphs. This report presents statistics for the Electric Light and Power industry. Separate reports are issued for each of the other industries.

Earlier censuses.—Prior to the year 1902, two partial canvasses of the Electric Light and Power industry were made. The first, which was taken in connection with the census of manufactures in 1890, covered only the State of New York and the city of St. Louis. At the second, which was made by the Commissioner of Labor in 1898, returns were obtained from 320 of the 460 known municipal plants and 632 of the 2,572 commercial plants then in existence.

The schedule.—The schedules used for collecting the data in the eight quinquennial censuses have been similar in general scope, but numerous changes in detail have been made from census to census. The 1937 schedule was drafted in conformity with the "Uniform system of accounts" prescribed by the Federal Power Commission for the use of public utilities and licensees under its jurisdiction, and the balance sheet, income and expense statement, and disposal of energy items in the schedule carried these account numbers. (For the titles of these account numbers, see appendix, p. 79.) The schedule contained 11 inquiries and covered data on generating facilities by type of prime mover, source of energy (whether generated, purchased, or received from other sources), fuel used in generation of electric energy, disposal of energy by class of service, employment, financial trends (including balance sheet and income statement and dividend appropriations), and other data relevant to the industry. The majority of the items called for separate State statistics but, due to the fact that the accounting systems of many companies operating in more than one State do not segregate accounts by States, the reporting establishments were not required to submit separate State data for certain inquiries, namely, the condensed balance sheet, income statement and dividend appropriations, employees, salaries, and wages.

Area and period covered.—The census of electric light and power industry covered the 48 States and the District of Columbia, no canvass of the outlying possessions having been made. The statistics compiled from the returns of this census relate, as a rule, to the calendar year 1937. In some cases, however, returns were accepted for the fiscal year where the reporting company operated on that basis. Data also have been included for establishments which were in operation during periods of less than 12 months, namely, (1) new plants, or successors to old plants which started operations during the calendar

year 1937; (2) plants which were idle during a part of the year; (3) those which passed out of existence within the year; and (4) those which were succeeded by other companies within the year.

Definition of establishment.—The term "establishment" as used in this report signifies a plant or plants operated under single ownership. It may comprise one or more generating stations, together with distributing equipment; or it may comprise generating equipment only where an establishment sells its entire output to other companies for distribution; or it may consist of concerns that purchase their entire output and distribute it. A company operating several subsidiary companies may submit a combined report covering their entire operations, providing these operations are all in one State. However, a company operating in more than one State is required to submit a separate report for each State, and each report is considered by the Bureau of the Census as coming from an establishment. The number of establishments reported for 1937 was 3,501. Of this number, 1,812 reported generation of energy while 1,689 reported distribution only. However, there were 4,027 separate generating stations reported for 1937. The term "composite" generating plant or station refers to one having more than one type of prime mover.

Character of establishments canvassed.—The statistics in this report relate to all establishments which were engaged during any portion of the calendar year 1937 in the generation and distribution of electric energy to public or private consumers; or in the generation of current for sale to other light and power companies for distribution; or in the distribution of current generated by plants under other ownership; or in the transmission of electric energy for private or public use. The statistics do not include establishments which consume all current generated, such as manufacturing and mining companies, railroads, railways, hotels, and other enterprises not in the nature of public utilities, unless a portion of their generated output is sold commercially.

Classification of establishments.—In this report, electric light and power establishments are classified in four ways.

(1) **Reporting sources.**—This classification, which appears for the first time in this report, is divided into the following subclassifications: Privately owned electric utilities, municipally owned electric utilities, cooperatives and power districts, Federal and State projects, and other sources. Statistics for the industry by reporting sources are presented in chapter II, where a more detailed description of this clasification may be found. The term "all sources" signifies all establishments reporting.

(2) **Purely electric and composite.**—Purely electric establishments are those engaged exclusively in the generation or in the distribution, or in both the generation and the distribution of electric energy. Composite establishments, as defined by the Bureau of the Census, are those that not only generate or distribute electric energy, but, in addition, carry on other utility activities in connection with electric service, such as the operation of electric railways, the manufacture of gas or ice, the operation of water works, etc. Where the nonelectric operations were merely incidental to the electric operations, the report was accepted with or without data covering the separate activities of the reporting company, in accordance with its system of accounts. Where the nonelectric business was of considerable importance, careful estimates were obtained, if possible, in order that the statistics might relate only to the electric light and power operations, but in a few cases of this kind, where it was impossible to obtain satisfactory segregation of the data for the electrical business, the returns necessarily covered all the activities of the establishments reporting.

(3) **Generating and purchasing.**—Generating establishments are those which produce all or any part of their output in their own generating stations. Purchasing establishments are those which purchase all the current distributed by

them during the census year, even though they may have maintained generating equipment not in use.

(4) **Fuel-burning and hydroelectric.**—No attempt has been made in this report to make a classification of fuel-burning and hydroelectric establishments as such. However, in chapter IV, in view of the fact that a large part of the industry's water-power development is found in establishments operating both hydroelectric and fuel-burning plants, with widely varying ratios of rated power, statistics are presented in several groupings. These groupings make possible a variety of comparisons, both between the groups and with previously published statistics. There is, however, considerable overlapping, since data reported by an establishment may be included in more than one group.

Chapter I.—THE INDUSTRY AS A WHOLE

This chapter presents detailed statistics for the industry as a whole, as compiled from the returns of all reporting establishments, and includes statistics on physical equipment—prime movers, generators, and transmission systems and primary distribution lines—fuel consumed in electric generation, source and disposal of energy, segregation of sales and revenue by customer groups, consolidated balance sheet, consolidated income statement and dividend appropriations, and employment. The term "all establishments" signifies all establishments reporting. Spatial limitations made necessary the exclusion, to a great extent, of statistics for earlier censuses. However, table 1 presents summary statistics for the last 3 census years, 1937, 1932, and 1927, showing major trends within the industry during the 10-year period.

Summarization of the industry.—It is noted that the electric light and power industry showed increases in the majority of items. This is reflected in the total rated capacity of prime movers, which reported an increase of 40.6 percent in the 10-year period, 1927–37, and an increase of 4.7 percent in the 5-year period, 1932–37. The total rated capacity of generators showed increases of 41.3 and 5.4 percent for the corresponding periods. The total amount of energy generated during 1937 amounted to 121,097,430,896 kilowatt-hours, as compared with 79,657,466,651 kilowatt-hours for 1932, an increase of 52.0 percent, and 74,686,378,010 kilowatt-hours for 1927, an increase of 62.1 percent. Total sales of energy (including sales to ultimate consumers and sales for resale) increased 50.6 percent in the 1932–37 period, and 68.2 percent in the 1927–37 period, while the number of customers served showed an increase of 24.9 percent in the corresponding decade. Sales of energy to ultimate consumers increased 56.4 and 62.0 percent in the 5- and 10-year periods, respectively. The number of establishments, however, decreased 19.2 percent in the 10-year period, and increased 2.1 percent in the 5-year period.

Prime movers.—Steam turbines retained their position as the dominant prime mover in the industry in point of total horsepower capacity although, as in previous censuses, they were outnumbered by hydroturbines and internal-combustion engines. Of the total horsepower of all prime movers, steam turbines represented 66.1 percent, hydroturbines 30.3 percent, internal-combustion engines 2.2 percent, and steam engines 1.4 percent. With the exception of steam engines, which showed a decrease of 28.4 percent, the total horsepower capacity of all prime movers showed marked increases in the 1927–37 period; internal-combustion engines increased 100.7 percent; hydroturbines, 54.7 percent; and steam turbines, 36.4 percent during this period. In the 1932–37 period, all types of prime movers showed small increases in horsepower capacity, with internal-combustion engines reporting the largest increase (24.9 percent). No statistics on horsepower by size groups are available, since the 1937 schedule did not call for these data.

For the first time, statistics on internal-combustion engines include a segregation of figures for "Diesel and semi-Diesel engines" and "Other internal-combustion engines (gas, gasoline, etc.)." The former group reported 88.2 percent of the total number of internal-combustion engines and 91 percent of their horsepower capacity.

Idle equipment.—Statistics for number and capacity of prime movers and generators as presented in the several tables of this report include 1,803 prime movers with a combined capacity of 2,982,364 horsepower, and 1,810 generators with a combined capacity of 2,181,446 kilowatts, which were reported as ordinarily idle but held as standby equipment.

Fuel consumed per kilowatt-hour.—Increased efficiency in the operation of generating units, resulting in a greatly increased output of electric power per pound of fuel, is noted in table 3, which presents statistics on fuel consumed in electric generation, and reduces fuels, other than bituminous coal, to a bituminous-coal equivalent. The several unit heat values, furnished by the Bureau of Mines, appear in footnote 1 of this table. The consumption of bituminous coal, or its equivalent, per kilowatt-hour of energy generated, was 1.39 pounds for 1937 as compared with 1.47 pounds for 1932, and 1.84 pounds for 1927. Bituminous coal is by far the leading fuel used in the industry, representing 77.1 percent of the total consumed, while natural gas is second in importance, reporting 12.4 percent of the total. However, in the 1932–37 period, the amount of natural gas used for electric generation showed an increase of 65.5 percent as compared with a 55.7 percent increase in bituminous coal. The computed fuel consumption of 1.39 pounds of coal per kilowatt-hour differs slightly from that reported by the Federal Power Commission for the same year. In the Census report, data for some energy produced in wood-burning plants have been included, but no corresponding figures for fuel were available. There may also be some differences in the assumed coal-equivalent of oil and gas in the two sets of figures. The preliminary estimate of the Federal Power Commission for 1937 is 1.42 pounds of coal per kilowatt-hour.

Transmission systems and primary distribution lines.—Table 11 presents statistics for circuit miles of transmission systems and primary distribution lines, by individual voltages rather than by voltage groups, by type of system, whether overhead (pole lines or steel tower) or underground. In addition to the total of 563,346 circuit miles given in this table, a considerable amount was reported as "other" without specifying the voltage. After analysis of these data and their comparison with other published statistics on transmissions, it was decided not to include these figures in the final report, as it was believed that in some cases the amount represented miles of secondary distribution lines rather than miles of transmission or primary distribution lines.

Reduction in transmission losses.—The increasing tendency toward concentration of power-producing equipment in large plants near load centers is reflected by the data on the relationship of transmission and distribution losses to total output. The reduction in such losses has apparently offset the higher losses that might be expected to accompany the operation of several large hydro developments more removed from the market center. It is noteworthy therefore that line losses have decreased in the last three censuses. In 1927 losses in transmission, distribution, etc., were 12.9 percent of the total output; in 1932,

12.3 percent; and in 1937 the reports indicate a loss of only 10.6 percent.

Source of energy.—The total amount of energy for disposal was reported as 168,299,656,881 kilowatt-hours. The source of this energy, as reported, showed 121,097,430,896 kilowatt-hours generated within the industry. Energy produced by steam power represented 61.3 percent of the total amount generated, energy generated by water power, 37.8 percent, while energy produced by generators driven by internal-combustion engines represented less than 1 percent of the total amount generated, although this type showed the greatest percent of increase in the 10-year period, 1927–37 (88.7 percent). Generated output by steam power and by hydropower showed increases of 63.6 and 59.4 percent, respectively, in the same period. The statistics for generated output exclude energy generated for station use.

The balance of energy for disposal, amounting to 47,202,225,985 kilowatt-hours, was reported as purchased or received from other sources. Of this amount, 34,110,614,947 kilowatt-hours were reported as purchased either from other electric systems or from other sources; 10,495,948,112 kilowatt-hours were reported as received from own system outside the State; and 2,595,662,926 kilowatt-hours were reported as other receipts of energy. It is obvious that "energy purchased from other electric systems" or "received from own system outside State" would be duplicated in the generated output reported by other companies. It is also probable that energy purchased from other sources, and other receipts of energy, duplicated, to a large extent, the generated output of other companies, since the scope of the census includes, as a part of the industry, all establishments that sell energy commercially. The only energy reported in these two items, not included in the generated output of the reporting companies of the industry, could have been either generating plants not located in the United States, or possibly manufacturing or similar establishments, that disposed of their surplus energy, but which were inadvertently omitted from the canvass for the Electric Light and Power Industry census.

Sales to ultimate consumers.—The disposal of energy inquiry on the 1937 schedule differed materially from the class of service items included in the schedules used for the two preceding censuses. Residential or domestic sales were divided into "farm" and "nonfarm" for 1937; "small light and power (retail)," and "large light and power (wholesale)," formerly reported as separate items, were combined for 1937 as "commercial and industrial sales," which were divided into "farm" and "nonfarm." A new class of service, "Rural—distinct rural rates only," divided into "farm" and "nonfarm" was established. This classification covering Account No. 601, of the "Uniform system of accounts," represented, to a great extent, commercial sales; although it doubtless included some domestic and residential sales. The "municipal street lighting" item was revised to "public street and highway lighting" for 1937. In addition, sales to ultimate consumers included three other classifications, namely, "Other sales to public authorities," "Interdepartmental," and "Other sales to ultimate consumers."

Energy consumed by class of service.—While nonfarm residential and domestic service constituted 79.3 percent of the total number of customers served, 12.6 percent of the total kilowatt-hours sold, and 30.8 percent of the total revenue from electric service, nonfarm com-

mercial and industrial service represented 15.2 percent of the total number of customers, 52.6 percent of the total kilowatt-hours sold, and 50.5 percent of the total revenue for electric service.

Farm service.—Table 6 presents comparative statistics on energy sold as "Farm service," covering the years 1937, 1932, and 1927. Statistics for farm service were first published in the 1927 report and presented combined figures on farm service (all uses). The schedule for 1937 divided farm service into "Residential and domestic sales," "Commercial and industrial sales," and "Rural—distinct rural rates only."

Comparison of the average rate per kilowatt-hour for farm service in 1937 with the corresponding averages for 1927 indicates an apparent increase from 2.1 to 2.7 cents per kilowatt-hour. While separate statistics for earlier years are not available as to sales for domestic use and sales at wholesale rates for other purposes (notably irrigation pumping), examination of the regional figures shows that the former have increased much more than the latter, and therefore now have a greater influence on the national average rate. Because of this shift in magnitudes, the average rates for the various years are not strictly comparable.

Sales for resale.—Of the 29,859,113,130 kilowatt-hours reported as sold for resale, 91.4 percent were reported as sold to other electric companies, 8.2 percent to municipal or distribution systems, while sales to mutual or cooperative undertakings and other sales for resale each represented two-tenths of 1 percent.

Energy not reported as sold.—In addition to the 132,929,517,239 kilowatt-hours reported as sold, either to ultimate consumers, or for resale, industry statistics include 17,455,852,972 kilowatt-hours of energy not reported as sold. The following shows the percent distribution of this amount: Free service, 1.7 percent; energy used by reporting company, 11.0 percent; energy sent to same company in other States, 59.8 percent; and other transfers, 27.5 percent.

Consolidated balance sheet.—The schedule for 1937 called for a balance sheet as of December 31, 1937. Companies operating on a fiscal year basis reported these statistics as of the last day of their fiscal year. The existence of numerous composite companies, that is, those rendering other public-utilities service in addition to the sale of electric energy, makes it difficult to determine accurately the investment in the electric light and power industry. The schedule, however, called for separate statistics on the value of the utility plant, whether electric, gas, electric railways, or other utility plants, and the reporting establishments were requested to estimate the value of their several plants if actual figures were not available. The total value of electric-utility plants was reported as $12,940,993,328, an increase of 39.2 percent in the 1927–37 period, and an increase of 2.2 percent in the 5-year period 1932–37. The total value of all utility plants was $15,270,638,573, which was distributed as follows: Electric plants, 84.7 percent; gas plants, 9.1 percent; electric railway plants, 1.7 percent; and other utility plants, 4.5 percent.

With the exception of the values of utility plants, noted above, all other items of the balance sheet covered the entire operations of the reporting companies and included statistics for their nonelectric activities as well as those for electric-utility service. No statistics, by States, are available, since reporting companies, operating in more

than one State, submitted a combined balance sheet covering their entire operations.

Consolidated income statement and dividend appropriations.—Table 9 presents detailed statistics on a consolidated income, operating revenue, and operating expense statement, for all establishments reporting, with a separation of statistics for the various items, whether "electric light and power" operations or "other utility" operations. Electric operating revenues amounting to $2,390,856,709, represented $2,356,513,119 reported as revenue for total sales of electric energy and $34,343,590, reported as other electric revenue. Electric operating expenses amounted to $1,042,192,680, and were distributed as follows: Cost of fuel, 17.4 percent; purchased and interchanged power, 18.1 percent; maintenance expense, 14.3 percent; and other operating expenses, 50.1 percent. The schedule for 1937 did not require a separation of electric light and power data from those of other utilities on the following items: Other income, income deductions (including interest on long-term debt, amortization of debt discount or premium, and expense, and other income deductions), and net income. Therefore, the statistics published for these items include not only electric light and power but the reporting companies' entire operations. The net income for 1937 amounted to $570,093,927, a decrease of less than 1 percent, as compared with $575,671,404, the amount reported for 1932. The total amount of dividend appropriations reported by incorporated companies was $434,995,474, of which $126,327,678 represented dividends on preferred stock and $308,667,796, dividends on common stock.

Employees and salaries and wages.—The number of employees in the industry covering both salaried employees and wage earners was reported as 281,335 on June 30, 1937, and 276,834 on December 31. The salaries and wages or pay roll amounted to $470,353,487 for the year 1937. The above pay roll includes in addition to the amount of salaries and wages chargeable to operating expenses (electrical department) the portion of such pay roll as may have been charged to construction, utility plant account, etc. No data are included in the foregoing figures for employees engaged exclusively in construction work. In the report for 1932 only the amount of the salaries and wages chargeable to operating expenses was reported. The amount of the pay roll or salaries and wages as reported for 1937 are therefore not comparable with the 1932 figures. The data covering number of employees as reported for 1937 are on a comparable basis with earlier periods except for 1927 when only the larger municipal establishments reported salary and wage data. Except for the private industry in which the 1937 and 1927 data are comparable, no true comparison on compensation per employee is available for the period 1927 through 1937 for the industry as a whole.

TABLE 1.—SUMMARY FOR THE ELECTRIC LIGHT AND POWER INDUSTRY, ALL ESTABLISHMENTS: 1937, 1932, AND 1927

ITEM	1937	1932	1927
Number of reporting establishments, total	3,501	3,429	4,335
Generating all or part of current	1,812	1,788	2,331
Distributing or transmitting only	1,689	1,641	2,004
Number of separate generating stations, total	[1] 4,027	4,339	4,801
Prime movers:			
Total number	10,824	11,185	12,030
Total horsepower	50,220,081	47,966,962	35,710,128
Steam engines—			
Number	854	1,299	2,267
Horsepower	711,987	649,476	994,273
Steam turbines—			
Number	2,727	2,822	2,864
Horsepower	33,177,336	32,904,158	24,323,304
Internal-combustion engines—			
Number	3,495	3,298	3,177
Horsepower	1,100,561	881,301	548,288
Hydroturbines and water wheels—			
Number	3,748	3,766	3,722
Horsepower	15,230,197	13,532,027	9,844,263
Generators, by type of prime mover:			
Total number	10,721	11,111	11,967
Total kilowatt capacity (rated)	36,481,107	34,622,554	25,811,305
Steam engines—			
Number	861	1,291	2,294
Kilowatt capacity	520,929	452,582	697,136
Steam turbines—			
Number	2,725	2,829	2,886
Kilowatt capacity	24,590,706	24,032,842	17,848,124
Internal-combustion engines—			
Number	3,490	3,274	3,189
Kilowatt capacity	762,010	597,628	416,533
Hydroturbines and water wheels—			
Number	3,645	3,717	3,598
Kilowatt capacity	10,598,462	9,539,502	6,849,512
Output,[2] kilowatt-hours, total	168,299,656,881	111,715,765,636	96,828,633,719
Reported as generated, total	121,097,430,896	79,657,466,651	74,686,378,010
By steam	74,229,706,198	45,374,873,980	45,391,190,914
By internal-combustion	1,089,018,580	715,142,922	577,048,687
By water	45,778,706,118	33,567,449,749	28,718,138,409
Reported as purchased or received from other sources	47,202,225,985	32,058,298,985	22,142,255,709
Number of customers, total	27,219,362	23,861,642	21,790,238
Ultimate consumers	27,216,336	23,858,411	21,786,317
Resale	3,026	3,231	3,921
Revenue from electric service, total	$2,356,513,119	$1,975,303,955	$1,802,655,493
Ultimate consumers	$2,177,617,063	$1,821,105,524	$1,667,045,571
Resale	$178,896,056	$154,198,431	$135,609,922
Kilowatt-hours sold, total	132,929,517,239	88,265,073,126	79,011,210,518
Ultimate consumers	103,070,404,109	65,895,975,835	63,612,481,088
Resale	29,859,113,130	22,369,097,291	15,398,729,430
Kilowatt-hours distributed for other purposes (non-revenue), total	35,370,139,642	23,450,692,510	17,817,423,201
Not reported sold, total	17,455,852,972	9,758,627,065	5,341,521,615
Free service	304,402,645	379,421,146	509,287,430
Energy used by reporting establishments	1,919,335,537	1,466,474,092	1,860,108,110
Energy sent out of State in which generated, not reported as sold	10,439,555,893	4,962,049,578	2,972,126,075
Other transfers	4,792,558,897	2,950,682,249	----------
Energy lost in transmission, distribution, conversion, etc.	17,914,286,670	13,692,065,445	12,475,901,586
Percent loss (based on total output)	10.6	12.3	12.9

[1] Includes 1,112 stations operated by steam; 1,283 by internal-combustion; 1,426 by water; and 206 composite (stations having more than 1 type of prime mover).

[2] Includes generated output and energy purchased and received from other sources. Since the energy "Received from other sources" was, in a large part, purchased from other electric light and power companies, a considerable duplication is involved, as such energy would also be included in the "Generated."

TABLE 1.—SUMMARY FOR THE ELECTRIC LIGHT AND POWER INDUSTRY, ALL ESTABLISHMENTS: 1937, 1932 AND 1927—Continued

ITEM	1937	1932	1927
Employees:			
Number on June 30	281, 335	244, 573	251, 020
Number on Dec. 31	276, 834	(3)	(3)
Salaries and wages	$470, 353, 487	[4] $323, 880, 386	[4] $367, 631, 756
Operating expenses (includes cost of fuel, purchased and interchanged power, maintenance and other operating expenses)	$1, 042, 192, 680	$803, 100, 258	[5] $750, 483, 581
Value of electric utility plant	$12, 940, 993, 328	$12, 664, 376, 952	[6] $9, 297, 458, 356
Fuel used for electric generation: [7]			
Coal, anthracite (tons, 2,000 pounds)	2, 023, 995	1, 559, 085	2, 002, 216
Coal, bituminous (tons, 2,000 pounds)	40, 468, 929	25, 998, 430	35, 681, 314
Coke (tons, 2,000 pounds)	88, 129	152, 841	31, 623
Fuel oil (barrels, 42 gallons)	13, 896, 422	7, 867, 985	7, 145, 798
Gasoline (barrels, 42 gallons)	2, 556		
Gas, manufactured (1,000 cubic feet)	4, 877, 648	1, 936, 336	6, 160, 753
Gas, natural (1,000 cubic feet)	159, 453, 251	96, 365, 126	59, 362, 039

[3] Not called for on schedule.
[4] Not comparable with figures for 1937 and 1927 since amount includes only salaries and wages chargeable to electric operating expenses.
[5] Reported by commercial establishments only. No data for municipal establishments.
[6] Includes value of plant and equipment, $902,057,279, owned by companies engaged in the operation of electric light and power plants and other public utilities, not distributed among the several utilities.
[7] In addition, hogged fuel, sawmill, and other waste were reported.

TABLE 2.—PRIME MOVERS AND GENERATORS AS OF DEC. 31, 1937—NUMBER AND RATED CAPACITY BY TYPE OF PRIME MOVERS, ALL ESTABLISHMENTS: 1937

TYPE OF PRIME MOVER	PRIME MOVERS			
	Number	Horsepower	Percent distribution	
			Number	Horsepower
All equipment available for use, active and idle	10, 824	50, 220, 081	100. 0	100. 0
Steam engines	854	711, 987	7. 9	1. 4
Steam turbines	2, 727	33, 177, 336	25. 2	66. 1
Internal-combustion engines:				
Diesel and semi-Diesel	3, 083	1, 001, 691	28. 5	2. 0
Other internal-combustion engines (gas, gasoline, etc.)	412	98, 870	3. 8	. 2
Hydroturbines and water wheels	3, 748	15, 230, 197	34. 6	30. 3
Equipment included above, ordinarily idle but held for standby (not junk)	1, 803	2, 982, 364	16. 7	5. 9

	GENERATORS			
	Number	Capacity (kilowatts)	Percent distribution	
			Number	Kilowatt-rating
All equipment available for use, active and idle	10, 721	36, 481, 107	100. 0	100. 0
Steam engines	861	520, 929	8. 0	1. 4
Steam turbines	2, 725	24, 599, 706	25. 4	67. 4
Internal-combustion engines:				
Diesel and semi-Diesel	3, 077	694, 283	28. 7	1. 9
Other internal-combustion engines (gas, gasoline, etc.)	413	67, 727	3. 9	. 2
Hydroturbines and water wheels	3, 645	10, 598, 462	34. 0	29. 1
Equipment included above, ordinarily idle but held for standby (not junk)	1, 810	2, 181, 446	16. 9	6. 0

TABLE 3.—CONSUMPTION OF FUEL, BY KIND, WITH BITUMINOUS COAL EQUIVALENT, ALL ESTABLISHMENTS: 1937

KIND	Unit of measure	Quantity	Equivalent tons of bituminous coal [1]	Percent of total equivalent fuel
Anthracite coal	Ton (2,000 pounds)	2,023,995	2,100,907	4.0
Bituminous coal	do	40,468,929	40,468,929	77.1
Coke	do	88,129	88,129	.2
Fuel oil	Barrel (42 gallons)	13,896,422	3,182,281	6.1
Gasoline	do	2,556	511	
Gas, manufactured	1,000 cubic feet	4,877,648	107,308	.2
Gas, natural	do	159,453,251	6,537,583	12.4
Total equivalent fuel	Ton (2,000 pounds)		52,485,648	100.0
Kilowatt-hours generated by fuel-burning generating stations	Kilowatt-hours	75,318,724,778		
Pounds of coal per kilowatt-hour of output.			1.39	

[1] The quantities of the several fuels other than bituminous coal have been reduced to equivalent tons (2,000 pounds) of bituminous coal by employing the following unit heat values, furnished by the Bureau of Mines: Anthracite, 13,600 B. t. u. per pound; bituminous, 13,100 B. t. u. per pound; coke, 13,100 B. t. u. per pound; fuel oil, 6,000,000 B. t. u. per 42-gallon barrel; gasoline, 5,250,000 B. t. u. per 42-gallon barrel; manufactured gas, 575 B. t. u. per cubic foot; and natural gas, 1,075 B. t. u. per cubic foot.

TABLE 4.—GENERATED OUTPUT, KILOWATT-HOURS PER CAPITA, AND KILOWATT-HOURS PER KILOWATT CAPACITY, ALL ESTABLISHMENTS: 1937

ITEM	Kilowatt-hours
Output [1] (kilowatt-hours), total	168,299,656,881
Generated output, total	121,097,430,896
By steam	74,229,706,198
By internal-combustion	1,089,018,580
By water	45,778,706,118
Purchased or received from other sources	47,202,225,985
Generated output per capita [2]	968
Rated generator capacity (kilowatts)	36,481,107
Kilowatt-hours per kilowatt capacity (based on generated output)	3,319

[1] Includes generated output and energy purchased and received from other sources. Since the energy "Received from other sources" was, in large part, purchased from other electric light and power companies, a considerable duplication is involved, as such energy would also be included in the "Generated."
[2] Estimated population as of July 1, 1937, was 129,257,000.

TABLE 5.—SALES OF ELECTRIC ENERGY—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, ALL ESTABLISHMENTS: 1937

CLASS OF SERVICE	CUSTOMERS		CURRENT SOLD		
	Number	Percent distribution	Kilowatt-hours	Percent distribution	Average kilowatt-hours per customer
Total sales	27,219,362	100.0	132,929,517,239	100.0	4,884
Sales to ultimate consumers, total	27,216,336	99.9	103,070,404,109	77.5	3,787
Residential or domestic sales:					
Farm	615,136	2.3	666,635,455	.5	1,084
Nonfarm	21,589,895	79.3	16,815,223,038	12.6	779
Rural—distinct rural rates only:					
Farm	538,283	2.0	980,579,766	.7	1,822
Nonfarm	169,382	.6	306,371,552	.2	1,809
Commercial and industrial sales:					
Farm	61,984	.2	1,023,511,789	.8	16,513
Nonfarm	4,144,195	15.2	69,911,421,452	52.6	16,870
Public street and highway lighting	23,182	.1	2,035,658,836	1.5	87,812
Other sales to public authorities	69,458	.3	2,415,747,083	1.8	34,780
Sales to railroads and railways:					
Street and interurban railways	374	(1)	4,887,908,103	3.7	13,069,273
Electrified steam-railroad divisions	102	(1)	1,558,474,349	1.2	15,279,160
Interdepartmental	1,627	(1)	2,272,205,092	1.7	1,396,561
Other sales to ultimate consumers	2,718	(1)	196,667,594	.1	72,357
Sales for resale, total	3,026	(1)	29,859,113,130	22.5	9,867,519
Sales to other electric utilities:					
Municipal distribution systems	1,110	(1)	2,446,932,109	1.8	2,204,443
Mutual or cooperative undertakings	196	(1)	70,885,348	.1	361,660
Other electric companies	1,675	(1)	27,282,032,158	20.5	16,287,780
Other sales for resale	45	(1)	59,263,515	(1)	1,316,967

CLASS OF SERVICE	REVENUE FROM ELECTRIC SERVICE			
	Amount	Percent distribution	Average per customer (dollars)	Average per kilowatt-hour (cents)
Total sales	$2,356,513,119	100.0	87	1.8
Sales to ultimate consumers, total	2,177,617,063	92.4	80	2.1
Residential or domestic sales:				
Farm	24,830,046	1.1	40	3.7
Nonfarm	726,362,566	30.8	34	4.3
Rural—distinct rural rates only:				
Farm	31,139,540	1.3	58	3.2
Nonfarm	10,463,807	.4	62	3.4
Commercial and industrial sales:				
Farm	15,196,765	.6	245	1.5
Nonfarm	1,189,868,744	50.5	287	1.7
Public street and highway lighting	73,859,468	3.1	3,186	3.6
Other sales to public authorities	37,269,308	1.6	537	1.5
Sales to railroads and railways:				
Street and interurban railways	42,472,996	1.8	113,564	.9
Electrified steam-railroad divisions	14,043,062	.6	137,677	.9
Interdepartmental	10,193,628	.4	6,265	.4
Other sales to ultimate consumers	1,917,133	.1	705	1.0
Sales for resale, total	178,896,056	7.6	59,120	.6
Sales to other electric utilities:				
Municipal distribution systems	18,326,460	.8	16,510	.7
Mutual or cooperative undertakings	478,789	(1)	2,443	.7
Other electric companies	159,664,845	6.8	95,322	.6
Other sales for resale	425,962	(1)	9,466	.7

[1] Less than 1/10 of 1 percent.

TABLE 6.—FARM SERVICE—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, 1937, 1932, AND 1927, AND BY CLASS OF SERVICE, 1937

CLASS OF SERVICE	Census year	CUSTOMERS		CURRENT SOLD		
		Number	Percent distribution	Kilowatt-hours	Percent distribution	Average kilowatt-hours per customer
All uses, total	1937	1,215,403	100.0	2,670,727,010	100.0	2,197
Residential or domestic sales	1937	615,136	50.6	666,635,455	25.0	1,084
Distinct rural sales	1937	538,283	44.3	980,579,766	36.7	1,822
Commercial and industrial sales	1937	61,984	5.1	1,023,511,789	38.3	16,513
All uses, total	1932	613,753	100.0	1,504,257,106	100.0	2,451
All uses, total	1927	168,450	100.0	835,271,354	100.0	4,959

	Census year	REVENUE FROM ELECTRIC SERVICE			
		Amount	Percent distribution	Average per customer (*dollars*)	Average per kilowatt hour (*cents*)
All uses, total	1937	$71,166,351	100.0	59	2.7
Residential or domestic sales	1937	24,830,046	34.9	40	3.7
Distinct rural sales	1937	31,139,540	43.8	58	3.2
Commercial and industrial sales	1937	15,196,765	21.3	245	1.5
All uses, total	1932	42,773,826	100.0	70	2.8
All uses, total	1927	17,282,957	100.0	103	2.1

TABLE 7.—TOTAL OUTPUT; CURRENT SOLD TO ULTIMATE CONSUMERS AND FOR RESALE; BALANCE NOT SOLD, ACCORDING TO DISPOSAL, WITH PERCENT DISTRIBUTION, ALL ESTABLISHMENTS: 1937

ITEM	Kilowatt-hours	Percent distribution
Output,[1] total	168,299,656,881	100.0
Sales to ultimate consumer	103,070,404,109	61.2
Sales for resale	29,859,113,130	17.7
Energy not reported as sold, total	17,455,852,972	10.4
Energy used by reporting company	1,919,335,537	1.1
Free service	304,402,645	.2
To same company in other States	10,439,555,893	6.2
Any other transfers	4,792,558,897	2.8
Energy lost and unaccounted for	17,914,286,670	10.6

[1] Includes generated output and energy received from other sources. Since the energy "Received from other sources" was, in large part, purchased from other electric light and power companies, a considerable duplication is involved, as such energy would also be included in the "Generated."

TABLE 8.—CONSOLIDATED BALANCE SHEET FOR ALL ESTABLISHMENTS REPORTING, INCLUDING ASSETS AND LIABILITIES OF ALLIED NONELECTRIC UTILITIES AS OF DEC. 31, 1937 [1]

ASSETS AND OTHER DEBITS		LIABILITIES AND OTHER CREDITS	
Utility plant, total	$15,270,638,573	Capital stock	$6,572,372,346
Electric	12,940,993,328	Investment of municipality or of unincorporated undertaking	287,638,519
Gas	1,384,708,889	Long-term debt	7,380,714,561
Electric railway	263,350,829	Current and accrued liabilities	745,308,466
Other	681,585,527	Deferred credits	51,629,176
Investments and funds	1,381,423,467	Reserve for depreciation of electric plant	1,512,802,994
Current and accrued assets	1,086,480,456	Other reserves	437,284,789
Deferred debits	505,573,444	Contributions in aid of construction	49,221,790
Capital stock discount and expense	33,599,327	Surplus	1,320,399,524
Reacquired securities	44,821,185		
Deficit	34,835,713		
Total assets and other debits	18,357,372,165	Total liabilities and other credits	18,357,372,165

[1] Companies operating on a fiscal-year basis reported balance-sheet statistics as of the last day of their fiscal year.

TABLE 9.—CONSOLIDATED INCOME, OPERATING-REVENUE AND EXPENSE STATEMENT, AND DIVIDEND APPROPRIATIONS FOR ALL ESTABLISHMENTS REPORTING: 1937

ACCOUNT	Total	Electric light and power	Other utilities
Operating revenues	$2,807,889,868	$2,390,856,709	$417,033,159
Operating expenses	1,310,117,465	[1] 1,042,192,680	267,924,785
Depreciation	277,305,445	236,935,744	40,369,701
Taxes	363,424,130	315,717,933	47,706,197
Federal	121,995,254	112,861,411	9,133,843
Other	241,428,876	202,856,522	38,572,354
Other operating revenue deductions	1,874,954	1,078,399	796,555
Total operating revenue deductions	1,952,721,994	1,595,924,756	356,797,238
Net operating revenues	855,167,874	794,931,953	60,235,921
Income from utility plants leased to others	4,754,347	4,653,638	100,709
Total utility operating income	859,922,221	799,585,591	60,336,630
Other income	65,219,029	(2)	(2)
Gross income	925,141,250	(2)	(2)
Income deductions:			
Interest on long-term debt	306,662,369	(2)	(2)
Amortization of debt discount (or premium) and expense	20,210,139	(2)	(2)
Other income deductions	28,174,815	(2)	(2)
Total income deductions	355,047,323	(2)	(2)
Net income	570,093,927	(2)	(2)

DIVIDEND APPROPRIATIONS AND CASH DISTRIBUTIONS	Total
Dividend appropriations:	
Preferred stock	$126,327,678
Common stock	308,667,796
Authorized cash distributions by unincorporated undertakings	16,180,776

[1] Includes cost of fuel, $181,682,451; purchased and interchanged power, $188,591,844; maintenance expense, $149,104,580; and other operating expenses, $522,413,805.
[2] Segregation of "Electric light and power" and "Other utilities" not called for on schedule.

TABLE 10.—SOURCE OF ENERGY—CURRENT GENERATED AND ENERGY RECEIVED FROM OTHER SOURCES, ALL ESTABLISHMENTS: 1937

ITEM	Kilowatt-hours	Percent distribution
Source of energy, total [1]	168, 299, 656, 881	100.0
Reported as generated, total	121, 097, 430, 896	72.0
By steam	74, 229, 706, 198	44.1
By internal-combustion	1, 089, 018, 580	.6
By water power	45, 778, 706, 118	27.2
Reported as purchased, total	34, 110, 614, 947	20.3
From other electric systems	32, 649, 935, 135	19.4
From other sources	1, 460, 679, 812	.9
Reported as received from own system outside State	10, 495, 948, 112	6.2
Other receipts of energy	2, 595, 662, 926	1.5

[1] Includes generated output and energy received from other sources. Since the energy "Received from other sources" was, in large part, purchased from other electric light and power companies, a considerable duplication is involved, as such energy would also be included in the "Generated."

TABLE 11.—TRANSMISSION SYSTEMS AND PRIMARY DISTRIBUTION LINES, MILES OF CIRCUIT, BY INDIVIDUAL VOLTAGE, ALL ESTABLISHMENTS: 1937

INDIVIDUAL VOLTAGE	Total	OVERHEAD			Underground
		Total	Pole line	Steel tower	
Miles of circuit	563, 346	540, 836	500, 733	40, 103	22, 510
Voltage of 11,000 and over:					
220,000	2, 058	2, 058	91	1, 967	----------
132,000	9, 631	9, 547	1, 704	7, 843	84
110,000	18, 688	18, 688	8, 213	10, 475	----------
66,000	31, 413	31, 199	23, 002	8, 197	214
60,000	5, 456	5, 456	4, 394	1, 062	----------
44,000	16, 345	16, 310	14, 197	2, 113	35
33,000	47, 799	47, 431	45, 881	1, 550	368
22,000	21, 934	20, 935	20, 472	463	999
13,200	40, 072	34, 856	34, 622	234	5, 216
11,000	32, 269	29, 772	29, 647	125	2, 497
Voltage of less than 11,000:					
6,600	58, 597	58, 079	58, 071	8	518
4,000	46, 917	43, 474	43, 467	7	3, 443
2,300	148, 331	145, 701	145, 578	123	2, 630
All other [1]	83, 836	77, 330	71, 394	5, 936	6, 506

[1] "All other" includes:

Individual voltage	Miles of circuit	Individual voltage	Miles of circuit	Individual voltage	Miles of circuit	Individual voltage	Miles of circuit
154, 000	639	24, 000	2, 637	11, 500	75	4, 800	16, 329
100, 000	3, 389	23, 000	1, 523	11, 400	81	4, 600	7, 019
88, 000	899	17, 000	605	10, 000	105	4, 400	1, 398
55, 000	1, 125	16, 500	614	8, 000	294	4, 100	377
50, 000	1, 793	16, 000	1, 373	7, 620	219	4, 150	282
38, 000	1, 057	13, 800	849	7, 200	871	3, 300	168
27, 000	823	13, 000	1, 452	6, 900	11, 959	2, 400	7, 288
26, 400	1, 832	12, 000	6, 006	5, 000	364	2, 200	471
25, 000	233	11, 950	124				

The remaining 9,563 miles represent 40 individual voltages which cannot be shown separately without disclosing the operations of individual establishments.

Chapter II.—THE INDUSTRY, BY REPORTING SOURCES

In former census years, the electric light and power industry was divided into two major subclassifications: "Municipal," which included all municipally owned generating plants and distribution systems, and "Commercial," which covered all other establishments that came within the scope of the census.

As a result of the introduction since the last census of several new types of producers and distributors of electric energy and their subsequent inclusion in the census for 1937, the Bureau of the Census in collaboration with the Federal Power Commission, has established a new system of classification by reporting sources, dividing the total number of reporting establishments into the following five major groups:

(1) Privately owned electric utilities.
(2) Municipally owned electric utilities.
(3) Cooperatives, power districts, etc.
(4) Federal and State.
(5) Other sources.

The fifth group, "Other sources," includes certain privately owned concerns such as manufacturing and mining companies, railways and railroads, together with some publicly owned properties such as United States national parks, State colleges, and municipal plants, not included in the "Municipally owned electric utilities" group, which are not primarily engaged in the manufacture and/or sale of electric energy.

Comparison with Federal Power classifications.—These classifications, it will be noted, differ slightly from those established by the Federal Power Commission. First, the survey conducted by the Bureau of the Census is more comprehensive in scope, obtaining reports from some small concerns which are not canvassed by the Federal Power Commission. Second, the Federal Power Commission includes statistics for "State" projects with "Cooperatives and power districts," and subdivides Federal projects into "Bureau of Reclamation" and "Other Federal projects." Third, the Census Bureau, in "Other sources," presents, in most cases, only that energy sold by the reporting companies while the survey made by the Federal Power Commission includes a much larger percentage of the total energy produced by these concerns, particularly in the case of railways and railroads.

The tables included in this chapter present summary statistics for the industry by reporting sources. Detailed statistics for the "Privately owned electric utilities" and "Municipally owned electric utilities" groups will be found in chapter V of this report.

Separate statistics for the other three groups, "Cooperatives, power districts, etc.," "Federal and State," and "Other sources," appear only in this chapter. Since most of the cooperative undertakings were in process of construction during the early part of 1937, and distribution lines were not energized until later in the year, the statistics

for this group, obviously do not represent an entire year's operations. Financial statistics, including balance-sheet and income-revenue and expense statements for the "Other sources" and "Federal and State" groups are incomplete since some of the establishments so classified were unable to separate their electrical operations from their normal activities. For these reasons, financial data for the three groups are not shown separately, although such data as reported have been included in the industry totals in other chapters.

Comparison with earlier censuses.—Statistics for "All sources" as shown in this chapter, are comparable with statistics presented in earlier censuses as "All establishments" or "The industry as a whole," since the statistics in each case cover the combined totals of all establishments reporting. Any differences would be only those resulting from the inclusion in the 1937 report of certain types of establishments that had not reported in previous censuses, notably "Federal and State projects" and "Cooperatives and power districts." Chapter V of this report includes a detailed explanation of the differences between "Municipally owned electric utilities," as classified in this report, and the "Municipal," of earlier censuses; and "Privately owned electric utilities" and the "Commercial" classification of previous censuses.

Table 15 presents statistics, by reporting sources, for purely electric and composite establishments. A description of the term "Purely electric and composite" establishments appears in "General explanations," p. 2.

TABLE 12.—GENERATING FACILITIES, GENERATED OUTPUT, AND FUEL CONSUMED, BY REPORTING SOURCES: 1937

	All sources	Privately owned electric utilities	Municipally owned electric utilities	Cooperatives, power districts, etc.	Federal and State	Other sources [1]
Number of reporting establishments, companies, or systems, total	[2] 3,501	1,340	1,860	181	25	95
Number generating all or part of current	1,812	818	885	16	18	75
Number reporting distribution or transmission only	1,689	522	975	165	7	20
Number of generating stations	[2] 4,027	2,916	963	27	28	93
Steam	1,112	813	257	2	5	35
Internal-combustion	1,283	748	523	4	2	6
Water	1,426	1,226	120	21	21	38
Composite [3]	206	129	63			14
Generators by type of prime mover:						
Total number	[2] 10,721	7,543	2,753	66	72	287
Total kilowatt capacity	[2] 36,481,107	32,192,918	2,499,347	147,224	859,046	782,572
Steam engines—						
Number	861	528	292	[4] 1	2	38
Kilowatt capacity	520,929	417,368	90,676	1,500	430	10,955
Steam turbines—						
Number	2,725	2,060	562	[4] 1	8	94
Kilowatt capacity	24,599,706	22,824,364	1,400,608	1,000	65,300	308,434
Internal-combustion—						
Number	3,490	1,835	1,622	8	4	21
Kilowatt capacity	762,010	381,001	373,698	2,362	1,991	2,958
Hydroturbines and water wheels—						
Number	3,645	3,120	277	56	58	134
Kilowatt capacity	10,598,462	8,570,185	634,365	142,362	791,325	460,225
Generated output (kilowatt-hours), total	[2] 121,097,430,896	109,919,648,965	5,253,820,804	765,847,582	1,954,041,242	3,204,072,303
By steam	74,229,706,198	70,716,166,932	2,675,394,395		297,867	837,847,004
By internal-combustion	1,089,018,580	396,407,934	678,331,847	6,022,303	3,215,561	5,040,935
By water power	45,778,706,118	38,807,074,099	1,900,094,562	759,825,279	1,950,527,814	2,361,184,364
Fuel used for electric generation: [5]						
Coal, anthracite (tons, 2,000 pounds)	2,023,995	1,930,223	93,272			500
Coal, bituminous (tons, 2,000 pounds)	40,468,929	37,816,269	2,127,906		613	524,141
Coke (tons, 2,000 pounds)	88,129	84,529	3,600			
Fuel oil (barrels, 42 gallons)	[6] 13,898,978	11,275,244	2,589,794	12,779	7,000	14,161
Gas, natural (1,000 cubic feet)	159,453,251	146,822,867	12,630,384			

[1] Includes statistics for privately owned concerns (manufacturing and mining companies, railways, and railroads) and publicly owned ones (United States national parks, State colleges, and certain municipal plants).

[2] Published totals for 1932, of all establishments reporting, are as follows:

Number of establishments, companies or systems	3,429	Number of generators	11,111
Generating all or part of current	1,788	Kilowatt capacity of generators	34,622,554
Number reporting distribution or transmission only	1,641	Generated output (kilowatt-hours)	79,657,466,651
Number of generating stations	4,339		

[3] Stations having more than one type of prime mover.

[4] Reported as idle equipment.

[5] In addition, the following kinds of fuel were used in electric generation: Manufactured gas, hogged fuel, and sawmill and other waste.

[6] Includes 2,556 barrels of gasoline.

TABLE 13.—SALES OF ELECTRIC ENERGY—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY CLASS OF SERVICE, BY REPORTING SOURCES: 1937

CLASS OF SERVICE	Number of customers	CURRENT SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
	ALL SOURCES					
Total sales	27,219,362	132,929,517,239	4,884	$2,356,513,119	87	1.8
Sales to ultimate consumers, total	27,216,336	103,070,404,109	3,787	2,177,617,063	80	2.1
Residential or domestic sales:						
Farm	615,136	666,635,455	1,084	24,830,046	40	3.7
Nonfarm	21,589,895	16,815,223,038	779	726,362,566	34	4.3
Rural—distinct rural rates only:[1]						
Farm	538,283	980,579,766	1,822	31,139,540	58	3.2
Nonfarm	169,382	306,371,552	1,809	10,463,807	62	3.4
Commercial and industrial sales:						
Farm	61,984	1,023,511,789	16,513	15,196,765	245	1.5
Nonfarm	4,144,195	69,911,421,452	16,870	1,189,868,744	287	1.7
Public street and highway lighting	23,182	2,035,658,836	87,812	73,859,468	3,186	3.6
Other sales to public authorities	69,458	2,415,747,083	34,780	37,269,308	537	1.5
Sales to railroads and railways:						
Street and interurban railways	374	4,887,908,103	13,069,273	42,472,996	113,564	.9
Electrified steam-railroad divisions	102	1,558,474,349	15,279,160	14,043,062	137,677	.9
Interdepartmental	1,627	2,272,205,092	1,396,561	10,193,628	6,265	.4
Other sales to ultimate consumers	2,718	196,667,594	72,357	1,917,133	705	1.0
Sales for resale, total	3,026	29,859,113,130	9,867,519	178,896,056	59,120	.6
Sales to other electric utilities:						
Municipal distribution systems	1,110	2,446,932,109	2,204,443	18,326,460	16,510	.7
Mutual or cooperative undertakings	196	70,885,348	361,660	478,789	2,443	.7
Other electric companies	1,675	27,282,032,158	16,287,780	159,664,845	95,322	.6
Other sales for resale	45	59,263,515	1,316,967	425,962	9,466	.7
	PRIVATELY-OWNED ELECTRIC UTILITIES					
Total sales	24,435,265	120,412,069,127	4,928	$2,174,796,426	89	1.8
Sales to ultimate consumers, total	24,432,724	93,524,013,857	3,828	2,006,933,408	82	2.1
Residential or domestic sales:						
Farm	556,244	603,285,669	1,085	22,736,263	41	3.8
Nonfarm	19,365,677	14,921,015,856	770	654,786,938	34	4.4
Rural—distinct rural rates only:[1]						
Farm	478,011	938,650,264	1,964	29,274,048	61	3.1
Nonfarm	155,586	287,311,102	1,847	9,697,971	62	3.4
Commercial and industrial sales:						
Farm	59,127	923,615,680	15,621	14,096,245	238	1.5
Nonfarm	3,731,207	65,609,765,476	17,584	1,120,173,017	300	1.7
Public street and highway lighting	20,736	1,582,911,433	76,336	65,536,665	3,161	4.1
Other sales to public authorities	63,700	2,202,021,370	34,569	34,259,761	538	1.6
Sales to railroads and railways:						
Street and interurban railways	324	4,748,354,371	14,655,415	40,914,668	126,280	.9
Electrified steam-railroad divisions	74	1,392,515,497	18,817,777	12,148,314	164,166	.9
Interdepartmental	205	194,766,812	950,082	2,126,726	10,374	1.1
Other sales to ultimate consumers	1,833	119,800,327	65,358	1,182,792	645	1.0
Sales for resale, total	2,541	26,888,055,270	10,581,683	167,863,018	66,062	.6
Sales to other electric utilities:						
Municipal distribution systems	941	1,252,231,837	1,330,746	16,238,130	17,256	1.3
Mutual or cooperative undertakings	76	6,031,884	79,367	102,355	1,347	1.7
Other electric companies	1,513	25,592,878,511	16,915,320	151,316,377	100,011	.6
Other sales for resale	11	36,913,038	3,355,731	206,156	18,741	.6

See footnotes at end of table.

TABLE 13.—SALES OF ELECTRIC ENERGY—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY CLASS OF SERVICE, BY REPORTING SOURCES: 1937—Continued

CLASS OF SERVICE	Number of customers	CURRENT SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
	MUNICIPALLY OWNED ELECTRIC UTILITIES					
Total sales	2,657,268	6,349,864,449	2,390	$153,330,188	58	2.4
Sales to ultimate consumers, total	2,656,958	5,674,398,803	2,136	149,544,540	56	2.6
Residential or domestic sales:						
Farm	32,048	24,750,713	772	1,089,669	34	4.4
Nonfarm	2,174,752	1,848,260,314	850	70,071,245	32	3.8
Rural—distinct rural rates only:[1]						
Farm	27,058	20,667,730	764	1,025,247	38	5.0
Nonfarm	12,500	15,245,761	1,220	677,347	54	4.4
Commercial and industrial sales:						
Farm	1,402	12,959,021	9,243	269,439	192	2.1
Nonfarm	399,605	3,114,248,824	7,793	64,206,755	161	2.1
Public street and highway lighting	2,297	270,088,885	117,583	6,974,002	3,036	2.6
Other sales to public authorities	5,562	168,664,500	30,324	2,731,187	491	1.6
Sales to railroads and railways:						
Street and interurban railways; Electrified steam-railroad divisions	[2] 71	44,847,948	631,661	513,214	7,228	1.1
Interdepartmental	1,205	141,614,685	117,523	1,829,022	1,518	1.3
Other sales to ultimate consumers	458	13,050,422	28,494	157,413	344	1.2
Sales for resale, total	310	675,465,646	2,178,921	3,785,648	12,212	.6
Sales to other electric utilities:						
Municipal distribution systems	113	20,924,726	185,175	355,966	3,150	1.7
Mutual or cooperative undertakings	82	34,763,045	423,940	175,164	2,136	.5
Other electric companies	88	600,974,800	6,829,259	3,067,634	34,859	.5
Other sales for resale	27	18,803,075	696,410	186,884	6,922	1.0
	COOPERATIVES, POWER DISTRICTS, ETC.					
Total sales	86,320	897,295,356	10,395	$8,003,417	93	.9
Sales to ultimate consumers, total	86,298	438,687,404	5,083	5,673,925	66	1.3
Residential or domestic sales:						
Farm	25,276	37,160,383	1,470	966,591	38	2.6
Nonfarm	18,383	17,189,409	935	473,531	26	2.8
Rural—distinct rural rates only:[1]						
Farm	30,471	19,425,235	637	770,969	25	4.0
Nonfarm	1,263	1,091,422	864	41,778	33	3.8
Commercial and industrial sales:						
Farm	1,137	86,729,134	76,279	822,237	723	.9
Nonfarm	9,377	224,517,835	23,943	2,019,752	215	.9
Public street and highway lighting	102	2,191,562	21,486	38,654	379	1.8
Other sales to public authorities	169	4,673,882	27,656	67,160	397	1.4
Interdepartmental; Other sales to ultimate consumers	[2] 120	45,708,542	380,905	473,253	3,944	1.0
Sales for resale, total	22	458,607,952	20,845,816	2,329,492	105,886	.5
Sales to other electric utilities:						
Municipal distribution systems[3]	9	12,693,560	1,410,396	123,893	13,766	1.0
Other electric companies	13	445,914,392	34,301,107	2,205,599	169,661	.5

See footnotes at end of table.

TABLE 13.—SALES OF ELECTRIC ENERGY—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY CLASS OF SERVICE, BY REPORTING SOURCES: 1937—Continued

CLASS OF SERVICE	Number of customers	CURRENT SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
	FEDERAL AND STATE					
Total sales	8,573	1,868,492,755	217,951	$4,271,438	498	0.2
Sales to ultimate consumers, total	8,473	435,935,930	51,450	1,659,669	196	.4
Residential or domestic sales:						
Farm	1,321	1,287,742	975	30,337	23	2.4
Nonfarm	3,088	6,179,389	2,001	118,849	38	1.9
Rural—distinct rural rates only:[1]						
Farm						
Nonfarm	[2] 3,049	4,625,620	1,517	120,643	40	2.6
Commercial and industrial sales:						
Farm						
Nonfarm	966	208,053,148	215,376	728,370	754	.4
Public street and highway lighting	3	23,609	7,870	1,220	407	5.2
Other sales to public authorities	7	1,824,775	260,682	12,448	1,778	.7
Interdepartmental	28	182,827,191	6,529,543	526,264	18,795	.3
Other sales to ultimate consumers	11	31,114,456	2,828,587	121,538	11,049	.4
Sales for resale, total	100	1,432,556,825	14,325,568	2,611,769	26,118	.2
Sales to other electric utilities:						
Municipal distribution systems	40	1,163,081,987	29,077,050	1,586,743	39,669	.1
Mutual or cooperative undertakings	38	30,090,419	791,853	201,270	5,297	.7
Other electric companies	22	239,384,419	10,881,110	823,756	37,443	.3
	OTHER SOURCES[4]					
Total sales	31,936	3,401,795,552	106,519	$16,111,650	504	0.5
Sales to ultimate consumers, total	31,883	2,997,368,115	94,011	13,895,521	433	.5
Residential or domestic sales:						
Farm	247	150,948	611	7,186	29	4.8
Nonfarm	27,995	22,578,070	807	912,003	33	4.0
Rural—distinct rural rates only:[1]						
Farm						
Nonfarm	[2] 45	142,138	3,159	4,188	93	2.9
Commercial and industrial sales:						
Farm						
Nonfarm	3,040	754,836,169	248,301	2,740,859	902	.4
Public street and highway lighting	44	180,443,347	4,100,985	1,308,927	29,748	.7
Other sales to public authorities	20	38,562,556	1,928,128	198,752	9,938	.5
Sales to railroads and railways:						
Street and interurban railways	[2] 7	260,664,636	37,237,805	2,939,862	419,980	1.1
Electrified steam-railroad divisions						
Interdepartmental	[2] 485	1,739,990,251	3,587,609	5,693,753	11,740	.3
Other sales to ultimate consumers						
Sales for resale, total	53	404,427,437	7,630,706	2,306,129	43,512	.6
Sales to other electric utilities:						
Municipal distribution systems[3]	14	1,547,401	110,529	54,650	3,904	3.5
Other electric companies	39	402,880,036	10,330,257	2,251,479	57,730	.6

[1] This classification covers rural sales as outlined by the "Uniform system of accounts" prescribed by the Federal Power Commission for use of public utilities and licensees under its jurisdiction, as Account No. 601. It was not extensively used, however, by reporting establishments in all geographic divisions. The type of service represents commercial sales principally, although it is probable the figures include some residential or domestic sales.

[2] Combined to avoid disclosure of individual operations.

[3] Includes "Other sales for resale."

[4] Includes statistics for privately owned concerns (manufacturing and mining companies, railways and railroads) and publicly owned ones (United States national parks, State colleges, and certain municipal plants), whose sales of electric energy are incidental to their other operations.

TABLE 14.—EMPLOYEES AND SALARIES AND WAGES PAID, BY REPORTING SOURCES: 1937

	All sources	Privately owned electric utilities	Municipally owned electric utilities	Cooperatives, power districts, etc.	Federal and State	Other sources [1]
Employees:						
Number on June 30, 1937	281,335	255,155	22,887	690	741	1,862
Number on Dec. 31, 1937	276,834	251,171	22,320	760	786	1,797
Salaries and wages for year	$470,353,487	$132,659,746	$32,654,464	$877,544	$1,146,964	$3,014,769
Salaried employees: [2]						
Number on June 30, 1937	123,565	113,387	9,395	263	201	319
Number on Dec. 31, 1937	123,022	112,938	9,257	294	211	322
Salaries	$221,556,587	$207,049,652	$13,135,151	$354,579	$262,756	$754,449
Wage earners:						
Number on June 30, 1937	157,770	141,768	13,492	427	540	1,543
Number on Dec. 31, 1937	153,812	138,233	13,063	466	575	1,475
Wages	$248,796,900	$225,610,094	$19,519,313	$522,965	$884,208	$2,260,320

[1] Includes statistics for privately owned concerns (manufacturing and mining companies, railways and railroads) and publicly owned ones (United States national parks, State colleges, and certain municipal plants) whose sales of electric energy are incidental to their other operations.
[2] Includes superintendents, managers, clerks, stenographers, and supervisory and office employees.

TABLE 15.—SUMMARY, BY PURELY ELECTRIC AND COMPOSITE ESTABLISHMENTS, BY REPORTING SOURCES: 1937

ITEM AND SOURCE	Total	Purely electric	Composite
Number of reporting establishments, companies, or systems, total	3,501	2,624	877
Privately owned electric utilities	1,340	872	468
Municipally owned electric utilities	1,860	1,464	396
Cooperatives, power districts, etc	181	176	5
Federal and State	25	25	----------
Other sources [1]	95	87	8
Value of electric utility plant, total	$12,940,993,328	$4,175,509,709	$8,765,483,619
Privately owned electric utilities	11,936,205,264	3,295,549,844	8,640,655,420
Municipally owned electric utilities	701,670,820	585,788,559	115,882,261
Cooperatives, power districts, etc	50,783,341	49,669,484	1,113,857
Federal and State	145,136,674	145,136,674	----------
Other sources [1]	107,197,229	99,365,148	7,832,081
Operating revenues (electric), total [2]	$2,390,856,709	$778,785,664	$1,612,071,045
Privately owned electric utilities	2,207,108,652	631,484,733	1,575,623,919
Municipally owned electric utilities	154,976,216	120,184,088	34,792,128
Cooperatives, power districts, etc	8,190,273	7,694,763	495,510
Federal and State	4,293,398	4,293,398	----------
Other sources [1]	16,288,170	15,128,682	1,159,488
Operating expenses (electric), total [3]	$1,042,192,680	$356,460,064	$685,732,616
Privately owned electric utilities	946,416,262	280,061,016	666,355,246
Municipally owned electric utilities	80,131,176	61,395,151	18,736,025
Cooperatives, power districts, etc	4,281,351	4,197,258	84,093
Federal and State	1,646,567	1,646,567	----------
Other sources [1]	9,717,324	9,160,072	557,252
Total employees:			
Number on June 30, 1937	281,335	93,722	187,613
Number on Dec. 31, 1937	276,834	91,389	185,445
Privately owned electric utilities—			
Number on June 30, 1937	255,155	72,664	182,491
Number on Dec. 31, 1937	251,171	70,766	180,405
Municipally owned electric utilities—			
Number on June 30, 1937	22,887	17,978	4,909
Number on Dec. 31, 1937	22,320	17,484	4,836
Cooperatives, power districts, etc.—			
Number on June 30, 1937	690	664	26
Number on Dec 31, 1937	760	734	26
Federal and State—			
Number on June 30, 1937	741	741	----------
Number on Dec. 31, 1937	786	786	----------
Other sources [1]—			
Number on June 30, 1937	1,862	1,675	187
Number on Dec. 31, 1937	1,797	1,619	178

See footnotes at end of table.

TABLE 15.—SUMMARY, BY PURELY ELECTRIC AND COMPOSITE ESTABLISHMENTS, BY REPORTING SOURCES: 1937—Continued

ITEM AND SOURCE	Total	Purely electric	Composite
Salaries and wages for year, total	$470,353,487	$158,022,059	$312,331,428
Privately owned electric utilities	432,659,746	126,840,677	305,819,069
Municipally owned electric utilities	32,654,464	26,444,005	6,210,459
Cooperatives, power districts, etc	877,544	842,043	35,501
Federal and State	1,146,964	1,146,964	
Other sources [1]	3,014,769	2,748,370	266,399
Prime movers, total:			
Number	10,824	4,472	6,352
Horsepower	50,220,081	18,778,632	31,441,449
Privately owned electric utilities—			
Number	7,636	2,090	5,546
Horsepower	44,285,739	13,597,565	30,688,174
Municipally owned electric utilities—			
Number	2,762	1,998	764
Horsepower	3,454,616	2,775,790	678,826
Cooperatives, power districts, etc.—			
Number	66	58	8
Horsepower	228,974	215,657	13,317
Federal and State—			
Number	72	72	
Horsepower	1,178,318	1,178,318	
Other sources [1]—			
Number	288	254	34
Horsepower	1,072,434	1,011,302	61,132
Kilowatt capacity of generators, total	36,481,107	13,651,121	22,829,986
Privately owned electric utilities	32,192,918	9,903,460	22,289,458
Municipally owned electric utilities	2,499,347	2,013,278	486,069
Cooperatives, power districts, etc	147,224	137,374	9,850
Federal and State	859,046	859,046	
Other sources [1]	782,572	737,963	44,609
Source of energy (kilowatt-hours), total:			
Generated	121,097,430,896	46,533,883,374	74,563,547,522
Energy purchased or received from other sources	47,202,225,985	19,595,192,020	27,607,033,965
Privately owned electric utilities—			
Generated	109,919,648,965	36,657,235,177	73,262,413,788
Energy received from other sources	42,416,804,041	15,248,126,998	27,168,677,043
Municipally owned electric utilities—			
Generated	5,253,820,804	4,304,354,863	949,465,941
Energy received from other sources	3,395,971,084	2,969,447,524	426,523,560
Cooperatives, power districts, etc.—			
Generated	765,847,582	646,099,362	119,748,220
Energy received from other sources	248,069,217	246,434,801	1,634,416
Federal and State—			
Generated	1,954,041,242	1,954,041,242	
Energy received from other sources	280,804,618	280,804,618	
Other sources [1]—			
Generated	3,204,072,303	2,972,152,730	231,919,573
Energy received from other sources	860,577,025	850,378,079	10,198,946
Sales of electric energy, total:			
Number of customers	27,219,362	8,656,738	18,562,624
Kilowatt-hours	132,929,517,239	53,521,437,648	79,408,079,591
Revenue	$2,356,513,119	$766,554,705	$1,589,958,414
Privately owned electric utilities—			
Number of customers	24,435,265	6,465,701	17,969,564
Kilowatt-hours	120,412,069,127	42,476,490,947	77,935,578,180
Revenue	$2,174,796,426	$620,736,146	$1,554,060,280
Municipally owned electric utilities—			
Number of customers	2,657,268	2,069,856	587,412
Kilowatt-hours	6,349,864,449	5,226,816,400	1,123,048,049
Revenue	$153,330,188	$119,080,020	$34,250,168
Cooperatives, power districts, etc.—			
Number of customers	86,320	84,912	1,408
Kilowatt-hours	897,295,356	781,733,376	115,561,980
Revenue	$8,003,417	$7,508,598	$494,819
Federal and State—			
Number of customers	8,573	8,573	
Kilowatt-hours	1,868,492,755	1,868,492,755	
Revenue	$4,271,438	$4,271,438	
Other sources [1]—			
Number of customers	31,936	27,696	4,240
Kilowatt-hours	3,401,795,552	3,167,904,170	233,891,382
Revenue	$16,111,650	$14,958,503	$1,153,147

[1] Includes statistics for privately owned concerns (manufacturing and mining companies, railways and railroads) and publicly owned ones (United States national parks, State colleges, and certain municipal plants), whose sales of electric energy are incidental to their other operations.
[2] Includes revenue from sales of electric energy and other electric revenue.
[3] Includes cost of fuel, purchased and interchanged power, maintenance, and other operating expenses.

Chapter III.—THE GEOGRAPHICAL DISTRIBUTION OF THE INDUSTRY

This chapter is primarily concerned with the presentation of summary statistics for the entire industry by geographic divisions. Certain tables, however, include statistics by States.

State statistics.—In former census years the statistics for the entire industry were presented by States, as well as by geographic divisions. Unfortunately, the introduction of the new system of classification by reporting sources, as cited in chapter II, has made it impossible to continue the presentation by States, for all establishments reporting, and, at the same time, present State statistics for privately owned and municipally owned electric utilities, without disclosing the operations of establishments not classified in the "Privately owned electric utilities" and "Municipally owned electric utilities" groups. In numerous States, only a few establishments were classified outside these two groups, and if State figures for all establishments reporting had been published for certain items, it would have been possible to ascertain, exactly or approximately, the operations of such establishments, by merely subtracting the sum of the published figures for privately owned and municipally owned electric utilities from the totals for all establishments reporting. It was, therefore, decided to withhold State statistics for the industry as a whole, in certain tables, in order to present statistics by States for privately owned and municipally owned electric utilities, since it was thought that separate State statistics for these two groups would be of greater general value. Attention is called to chapter V, which presents detailed statistics for privately owned and municipally owned utilities.

Financial statistics.—Certain items of the schedule did not call for a separation of the reporting companies' operations by States. For this reason, this chapter does not include statistics for the balance sheet, income statement and dividend appropriations, number of salaried employees and wage earners, and salaries and wages paid.

Table 16 presents summary statistics for generating facilities, generated output, and fuel consumed in electric generation, while table 19 shows sales of electric energy (number of customers, kilowatt-hours sold, and revenue for electric service), by major classes of service. The other tables give detailed statistics on the major items of the industry as covered by the survey.

TABLE 16.—GENERATING FACILITIES, GENERATED OUTPUT, AND FUEL CONSUMED, ALL ESTABLISHMENTS, BY GEOGRAPHIC DIVISIONS: 1937

	UNITED STATES	GEOGRAPHIC DIVISIONS [1]								
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Number of reporting establishments, companies, or systems, total	3,501	270	249	663	994	393	155	255	335	187
Number generating all or part of current	1,812	130	112	309	511	162	83	195	214	96
Number reporting distribution or transmission only	1,689	140	137	354	483	231	72	60	121	91
Number of generating stations	4,027	328	382	643	863	419	219	461	411	301
Steam	1,112	56	137	258	221	125	87	108	70	50
Internal-combustion	1,283	14	23	75	482	114	92	318	132	33
Water	1,426	234	206	276	114	163	37	24	168	204
Composite [2]	206	24	16	34	46	17	3	11	41	14
Generators by type of prime mover:										
Total number	10,721	846	1,155	1,843	2,238	1,179	549	1,181	1,035	695
Total kilowatt capacity	36,481,107	2,752,721	8,838,327	8,289,069	2,728,008	4,447,880	1,857,809	1,791,336	1,662,650	4,113,307
Steam engines—										
Number	861	29	74	219	234	81	69	66	75	14
Kilowatt capacity	520,929	9,341	98,253	207,330	76,867	20,622	71,589	15,771	16,308	4,848
Steam turbines—										
Number	2,725	214	428	635	474	300	159	257	139	119
Kilowatt capacity	24,599,706	1,814,672	7,196,461	7,324,545	1,953,874	2,344,239	656,055	1,503,836	405,049	1,400,975
Internal-combustion—										
Number	3,490	54	106	253	1,247	304	210	813	409	94
Kilowatt capacity	762,010	12,206	33,160	62,349	258,720	67,148	28,174	170,109	79,373	50,771
Hydroturbines and water wheels—										
Number	3,645	549	547	736	283	494	111	45	412	468
Kilowatt capacity	10,598,462	916,502	1,510,453	694,845	438,547	2,015,871	1,101,991	101,620	1,161,920	2,656,713
Generated output (kilowatt-hours), total	121,097,430,896	7,577,025,366	29,776,425,143	28,592,109,259	7,554,600,130	15,080,259,531	5,585,479,371	6,463,696,022	5,781,982,500	14,685,853,574
By steam	74,229,706,198	4,154,116,949	21,420,048,000	25,834,286,471	5,272,869,976	6,726,429,803	1,560,258,667	5,998,987,850	1,262,538,085	2,000,170,397
By internal-combustion	1,089,018,580	20,414,726	42,717,801	101,306,457	415,971,386	78,227,282	34,090,702	215,918,667	118,998,222	61,373,337
By water power	45,778,706,118	3,402,493,691	8,313,659,342	2,655,516,331	1,865,758,768	8,275,602,446	3,991,130,002	248,789,505	4,400,446,193	12,624,309,840

Fuel used for electric generation: [3]										
Coal, anthracite (tons, 2,000 pounds)	2,023,995	500	1,868,161	----------	18,748	20,366	64,094	44,223	7,903	----------
Coal, bituminous (tons, 2,000 pounds)	40,468,929	2,119,741	11,111,199	17,814,892	3,491,816	3,546,456	1,221,664	257,090	888,070	18,001
Coke (tons, 2,000 pounds)	[4] 88,129	----------	----------	----------	----------	----------	----------	----------	----------	----------
Fuel oil (barrels, 42 gallons)	[5] 13,898,978	3,058,163	3,261,223	266,905	1,208,138	2,879,897	104,786	742,804	468,141	1,908,921
Gas, natural (1,000 cubic feet)	159,453,251	----------	3,124,766	13,224,111	32,149,389	3,665,312	6,288,943	78,284,149	6,506,248	16,210,333

[1] See footnote 1, table 19.
[2] Stations having more than 1 type of prime mover.
[3] In addition, the following kinds of fuel were used in electric generation: Manufactured gas, hogged fuel, and sawmill and other waste.
[4] Not shown by geographic divisions to avoid disclosure of individual establishments.
[5] Includes 2,556 barrels of gasoline.

TABLE 17.—GENERATOR CAPACITY AND CURRENT GENERATED, ALL ESTABLISHMENTS, BY DIVISIONS AND STATES: 1937 AND 1932

DIVISION AND STATE	RATED GENERATOR CAPACITY (*kilowatts*)			CURRENT GENERATED (*kilowatt-hours*)		
	1937	1932	Percent increase or decrease (—)	1937	1932	Percent increase
UNITED STATES	36,481,107	34,622,554	5.4	121,097,430,896	79,657,466,651	52.0
GEOGRAPHIC DIVISIONS:						
New England	2,752,721	2,639,387	4.3	7,577,025,366	5,330,233,841	42.2
Middle Atlantic	8,838,327	8,271,328	6.9	29,776,425,143	20,340,794,839	46.4
East North Central	8,289,069	8,246,758	.5	28,592,109,259	18,106,043,295	57.9
West North Central	2,728,008	2,615,095	4.3	7,554,600,130	5,357,886,862	41.0
South Atlantic	4,447,880	4,290,917	3.7	15,080,259,531	9,458,694,089	59.4
East South Central	1,857,869	1,480,254	25.5	5,585,479,371	2,993,770,460	86.6
West South Central	1,791,336	1,792,286	—.1	6,463,696,022	4,308,490,556	50.0
Mountain	1,662,650	1,157,200	43.7	5,781,982,500	2,346,832,279	146.4
Pacific	4,113,307	4,129,329	—.4	14,685,853,574	11,414,720,430	28.7
NEW ENGLAND:						
Maine	259,857	265,153	—2.0	1,032,910,262	762,111,856	35.5
New Hampshire	298,921	283,321	5.5	760,114,088	680,606,529	11.7
Vermont and Rhode Island [1]	404,651	432,093	—6.4	1,293,178,803	811,459,260	59.4
Massachusetts	1,210,319	1,156,134	4.7	2,852,087,311	2,158,485,603	32.1
Connecticut	578,973	502,686	15.2	1,638,734,902	917,570,593	78.6
MIDDLE ATLANTIC:						
New York	4,837,375	4,577,631	5.7	15,582,897,247	10,976,563,667	42.0
New Jersey	1,066,890	1,062,445	.4	3,707,988,218	2,990,678,924	24.0
Pennsylvania	2,934,062	2,631,252	11.5	10,485,539,678	6,373,552,248	64.5
EAST NORTH CENTRAL:						
Ohio	2,179,100	2,145,614	1.6	8,070,468,170	4,868,953,749	65.8
Indiana	1,038,397	987,882	5.1	3,736,887,519	2,422,939,907	54.2
Illinois	2,396,977	2,605,826	—8.0	8,059,574,262	5,446,742,903	48.0
Michigan	1,754,288	1,657,436	5.8	6,028,307,730	3,532,622,960	70.6
Wisconsin	920,307	850,000	8.3	2,696,871,578	1,834,783,776	47.0
WEST NORTH CENTRAL:						
Minnesota	516,245	477,220	8.2	1,480,700,417	995,182,260	48.8
Iowa	607,748	600,369	1.2	1,887,399,347	1,483,096,406	27.3
Missouri	765,771	716,502	6.9	1,870,848,171	1,214,488,146	54.0
North Dakota	73,177	70,400	3.9	200,840,952	140,315,552	43.1
South Dakota	76,573	66,929	14.4	144,810,035	87,402,102	65.7
Nebraska	269,611	252,186	6.9	703,907,133	561,795,147	25.3
Kansas	418,883	431,489	—2.9	1,266,094,075	875,607,249	44.6
SOUTH ATLANTIC:						
Delaware, Maryland, District of Columbia, and West Virginia [1]	1,483,756	1,395,892	6.3	5,799,391,487	3,674,059,524	57.8
Virginia	439,167	409,468	7.3	1,638,742,805	962,317,683	70.3
North Carolina	992,327	1,004,687	—1.2	3,215,857,638	1,651,234,533	94.8
South Carolina	675,721	642,856	5.1	1,752,429,717	1,294,883,416	35.3
Georgia	483,792	474,962	1.9	1,758,630,581	1,269,290,375	38.6
Florida	373,117	363,052	2.8	915,207,303	606,908,558	50.8
EAST SOUTH CENTRAL:						
Kentucky	343,068	339,771	1.0	894,607,801	681,946,841	31.2
Tennessee	526,380	425,541	23.7	1,841,302,173	1,050,404,625	75.3
Alabama	922,996	649,273	42.2	2,771,901,772	1,209,646,423	129.1
Mississippi	65,365	65,669	—.5	77,667,625	51,772,571	50.0
WEST SOUTH CENTRAL:						
Arkansas	161,336	152,808	5.6	279,107,212	155,019,698	80.0
Louisiana	327,815	328,624	—.2	1,730,855,751	1,171,951,428	47.7
Oklahoma	336,246	343,210	—2.0	1,107,549,981	725,488,247	52.7
Texas	965,939	967,644	—.2	3,346,183,078	2,256,031,183	48.3
MOUNTAIN:						
Montana and Utah [1]	437,984	455,512	—3.8	1,839,001,647	911,366,218	101.8
Idaho	260,025	208,007	25.0	973,594,978	473,289,670	105.7
Wyoming	63,126	36,272	74.0	161,596,192	74,596,866	116.6
Colorado	227,824	221,246	3.0	681,741,410	437,329,881	55.9
New Mexico and Arizona [1]	305,626	223,085	37.0	903,529,669	412,616,126	119.0
Nevada	368,065	13,078	2,714.4	1,222,518,604	37,633,518	3,148.5
PACIFIC:						
Washington	1,005,959	882,541	14.0	3,693,204,079	2,544,766,928	45.1
Oregon	371,131	382,429	—3.0	1,393,361,394	968,614,120	43.9
California	2,736,217	2,864,359	—4.5	9,599,288,101	7,901,339,382	21.5

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 18.—PRIME MOVERS—NUMBER AND HORSEPOWER, BY TYPE, ALL ESTABLISHMENTS, BY GEOGRAPHIC DIVISIONS: 1937

DIVISION	TOTAL		STEAM ENGINES		STEAM TURBINES	
	Number	Rated horsepower	Number	Rated horsepower	Number	Rated horsepower
UNITED STATES	10,824	50,220,081	854	711,987	2,727	33,177,336
GEOGRAPHIC DIVISIONS:[1]						
New England	855	3,769,421	30	13,285	214	2,411,362
Middle Atlantic	1,152	12,099,907	71	127,879	426	9,750,828
East North Central	1,935	11,188,536	218	281,448	639	9,806,219
West North Central	2,237	3,711,181	231	108,141	474	2,628,708
South Atlantic	1,177	6,282,509	82	28,998	299	3,185,396
East South Central	545	2,536,271	69	99,550	159	884,681
West South Central	1,188	2,451,287	66	21,483	258	2,042,474
Mountain	1,035	2,426,455	74	24,597	139	552,954
Pacific	700	5,754,514	13	7,106	119	1,914,714

DIVISION	INTERNAL-COMBUSTION ENGINES				HYDROTURBINES AND WATER WHEELS	
	Diesel and semi-Diesel		Other internal-combustion engines			
	Number	Rated horsepower	Number	Rated horsepower	Number	Rated horsepower
UNITED STATES	3,083	1,001,691	412	98,870	3,748	15,230,197
GEOGRAPHIC DIVISIONS:[1]						
New England	49	17,298	5	595	557	1,326,881
Middle Atlantic	68	41,214	38	6,937	549	2,173,549
East North Central	212	81,766	40	9,216	826	1,009,887
West North Central	1,154	347,073	92	23,739	286	603,520
South Atlantic	284	90,870	22	6,392	490	2,970,853
East South Central	180	37,676	28	3,679	109	1,510,685
West South Central	715	218,935	103	25,528	46	142,867
Mountain	333	94,365	76	22,251	413	1,732,288
Pacific	88	72,494	8	533	472	3,759,667

[1] See footnote 1, table 19.

TABLE 19.—SALES OF ELECTRIC ENERGY, BY MAJOR CLASSES OF SERVICE, ALL ESTABLISHMENTS, BY GEOGRAPHIC DIVISIONS:[1] 1937

CLASS OF SERVICE	Number of customers	CURRENT SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
	UNITED STATES					
Total sales	27,219,362	132,929,517,239	4,884	$2,356,513,119	87	1.8
Sales to ultimate consumers, total [2]	27,216,336	103,070,404,109	3,787	2,177,617,063	80	2.1
Residential or domestic sales:						
Farm	615,136	666,635,455	1,084	24,830,046	40	3.7
Nonfarm	21,589,895	16,815,223,038	779	726,362,566	34	4.3
Commercial and industrial sales: [3]						
Farm	600,267	2,004,091,555	3,339	46,336,305	77	2.3
Nonfarm	4,313,577	70,217,793,004	16,278	1,200,332,551	278	1.7
Public street and highway lighting	23,182	2,035,658,836	87,812	73,859,468	3,186	3.6
Sales for resale, total [4]	3,026	29,859,113,130	----------	178,896,056	--------	.6
Sales to other electric utilities:						
Municipal distribution systems	1,110	2,446,932,109	----------	18,326,460	--------	.7
Other electric companies	1,675	27,282,032,158	----------	159,664,845	--------	.6
	NEW ENGLAND					
Total sales	2,410,789	10,207,611,608	4,234	$207,203,132	86	2.0
Sales to ultimate consumers, total [2]	2,410,432	6,271,055,019	2,602	174,582,545	72	2.8
Residential or domestic sales:						
Farm	56,375	54,217,913	962	2,572,071	46	4.7
Nonfarm	1,987,956	1,315,440,038	662	66,927,674	34	5.1
Commercial and industrial sales: [3]						
Farm	4,429	8,323,294	1,879	367,962	83	4.4
Nonfarm	354,753	4,521,028,804	12,744	92,664,387	261	2.0
Public street and highway lighting	1,766	184,685,305	104,578	9,187,060	5,202	5.0
Sales for resale, total [4]	357	3,936,556,589	----------	32,620,587	--------	.8
Sales to other electric utilities:						
Municipal distribution systems	75	192,851,250	----------	2,524,497	--------	1.3
Other electric companies	276	3,741,428,647	----------	30,061,412	--------	.8
	MIDDLE ATLANTIC					
Total sales	7,355,096	32,253,987,438	4,385	$635,995,098	86	2.0
Sales to ultimate consumers, total [2]	7,354,767	27,610,882,806	3,754	612,638,268	83	2.2
Residential or domestic sales:						
Farm	92,568	99,014,089	1,070	4,156,208	45	4.2
Nonfarm	5,986,080	4,131,826,528	690	203,837,736	34	4.9
Commercial and industrial sales: [3]						
Farm	87,670	150,818,145	1,720	5,592,335	64	3.7
Nonfarm	1,175,061	19,253,472,319	16,385	340,514,895	290	1.8
Public street and highway lighting	4,098	535,226,446	130,607	23,917,459	5,836	4.5
Sales for resale, total [4]	329	4,643,104,632	----------	23,356,830	--------	.5
Sales to other electric utilities:						
Municipal distribution systems	74	105,331,196	----------	1,424,870	--------	1.4
Other electric companies	240	4,529,303,936	----------	21,885,508	--------	.5

See footnotes at end of table.

TABLE 19.—SALES OF ELECTRIC ENERGY, BY MAJOR CLASSES OF SERVICE, ALL ESTABLISHMENTS, BY GEOGRAPHIC DIVISIONS:[1] 1937—Continued

CLASS OF SERVICE	Number of customers	CURRENT SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
		EAST NORTH CENTRAL				
Total sales	6,444,437	32,732,713,167	5,079	$560,513,436	87	1.7
Sales to ultimate consumers, total [2]	6,443,860	23,910,846,213	3,711	507,288,365	79	2.1
Residential or domestic sales:						
Farm	143,723	127,408,542	886	4,924,532	34	3.9
Nonfarm	5,189,420	4,182,472,463	806	167,559,845	32	4.0
Commercial and industrial sales: [3]						
Farm	209,268	206,088,886	985	9,753,500	47	4.7
Nonfarm	881,930	16,407,520,267	18,604	285,295,841	323	1.7
Public street and highway lighting	4,861	546,006,451	112,324	14,458,542	2,974	2.6
Sales for resale, total [4]	577	8,821,866,954	----------	53,225,071	--------	.6
Sales to other electric utilities:						
Municipal distribution systems	226	270,140,979	----------	3,888,886	--------	1.4
Other electric companies	306	8,539,970,870	----------	49,156,912	--------	.6
		WEST NORTH CENTRAL				
Total sales	2,588,245	8,089,259,477	3,125	$192,347,227	74	2.4
Sales to ultimate consumers, total [2]	2,587,522	6,784,357,330	2,622	179,573,740	69	2.6
Residential or domestic sales:						
Farm	16,167	13,206,041	817	587,303	36	4.4
Nonfarm	2,024,699	1,566,966,204	774	68,448,654	34	4.4
Commercial and industrial sales: [3]						
Farm	76,661	71,176,206	928	4,268,645	56	6.0
Nonfarm	460,371	4,407,592,185	9,574	93,318,955	203	2.1
Public street and highway lighting	3,823	177,089,135	46,322	6,279,730	1,643	3.5
Sales for resale, total [4]	723	1,304,902,147	----------	12,773,487	--------	1.0
Sales to other electric utilities:						
Municipal distribution systems	372	125,870,616	----------	2,642,296	--------	2.1
Other electric companies	292	1,175,670,869	----------	10,054,339	--------	.9
		SOUTH ATLANTIC				
Total sales	2,264,384	15,631,550,060	6,903	$233,859,243	103	1.5
Sales to ultimate consumers, total [2]	2,264,022	11,815,971,807	5,219	212,622,294	94	1.8
Residential or domestic sales:						
Farm	80,589	63,239,930	785	2,804,095	35	4.4
Nonfarm	1,753,390	1,592,533,059	908	64,488,587	37	4.0
Commercial and industrial sales: [3]						
Farm	35,224	46,202,423	1,312	1,772,574	50	3.8
Nonfarm	387,056	8,693,349,185	22,460	127,992,009	331	1.5
Public street and highway lighting	1,808	150,184,334	83,067	6,431,343	3,557	4.3
Sales for resale, total [4]	362	3,815,578,253	----------	21,236,949	--------	.6
Sales to other electric utilities:						
Municipal distribution systems	175	291,564,598	----------	3,243,692	--------	1.1
Other electric companies	145	3,512,532,512	----------	17,860,479	--------	.5

See footnotes at end of table.

TABLE 19.—SALES OF ELECTRIC ENERGY, BY MAJOR CLASSES OF SERVICE, ALL ESTABLISHMENTS, BY GEOGRAPHIC DIVISIONS:[1] 1937—Continued

CLASS OF SERVICE	Number of customers	CURRENT SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
	EAST SOUTH CENTRAL					
Total sales	985,691	6,883,011,157	6,983	$91,662,639	93	1.3
Sales to ultimate consumers, total [2]	985,542	5,477,536,624	5,558	84,045,044	85	1.5
Residential or domestic sales:						
Farm	25,044	22,487,198	898	720,471	29	3.2
Nonfarm	746,955	673,388,981	902	24,704,593	33	3.7
Commercial and industrial sales: [3]						
Farm	35,516	38,038,135	1,071	1,583,443	45	4.2
Nonfarm	172,447	3,330,972,043	19,316	48,569,314	282	1.5
Public street and highway lighting	1,251	66,676,368	53,298	2,487,423	1,988	3.7
Sales for resale, total [4]	149	1,405,474,533	----------	7,617,595	--------	.5
Sales to other electric utilities:						
Municipal distribution systems	38	86,846,791	----------	673,036	--------	.8
Other electric companies	90	1,271,275,020	----------	6,728,560	--------	.5
	WEST SOUTH CENTRAL					
Total sales	1,564,795	6,599,784,311	4,218	$134,650,526	86	2.0
Sales to ultimate consumers, total [2]	1,564,615	5,264,170,826	3,365	126,075,582	81	2.4
Residential or domestic sales:						
Farm	11,091	13,997,065	1,262	507,118	46	3.6
Nonfarm	1,208,023	858,967,561	711	43,550,041	36	5.1
Commercial and industrial sales: [3]						
Farm	32,962	84,031,679	2,549	2,563,942	78	3.1
Nonfarm	301,488	3,858,542,965	12,798	72,148,100	239	1.9
Public street and highway lighting	1,572	81,806,316	52,040	2,409,974	1,533	2.9
Sales for resale, total [4]	180	1,335,613,485	----------	8,574,944	--------	.6
Sales to other electric utilities:						
Municipal distribution systems	41	26,527,461	----------	385,611	--------	1.5
Other electric companies	135	1,308,844,199	----------	8,177,406	--------	.6
	MOUNTAIN					
Total sales	769,704	6,276,690,283	8,155	$78,871,334	102	1.3
Sales to ultimate consumers, total [2]	769,504	4,160,514,229	5,407	72,267,894	94	1.7
Residential or domestic sales:						
Farm	51,379	66,333,537	1,291	2,328,127	45	3.5
Nonfarm	579,585	491,471,378	848	21,932,105	38	4.5
Commercial and industrial sales: [3]						
Farm	7,641	160,747,898	21,038	1,940,946	254	1.2
Nonfarm	127,605	2,922,085,273	22,899	40,426,859	317	1.4
Public street and highway lighting	832	47,746,920	57,388	1,931,754	2,322	4.0
Sales for resale, total [4]	200	2,116,176,054	----------	6,603,440	--------	.3
Sales to other electric utilities:						
Municipal distribution systems	65	1,132,067,082	----------	1,609,360	--------	.1
Other electric companies	99	954,151,847	----------	4,904,622	--------	.5

See footnotes at end of table.

TABLE 19.—SALES OF ELECTRIC ENERGY, BY MAJOR CLASSES OF SERVICE, ALL ESTABLISHMENTS, BY GEOGRAPHIC DIVISIONS: 1937—Continued

CLASS OF SERVICE	Number of customers	CURRENT SOLD		REVENUE FROM ELECTRIC SERVICE		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
	PACIFIC					
Total sales	2,836,221	14,254,909,738	5,026	$221,410,484	78	1.6
Sales to ultimate consumers, total [2]	2,836,072	11,775,069,255	4,152	208,523,331	74	1.8
Residential or domestic sales:						
Farm	138,200	206,731,140	1,496	6,230,121	45	3.0
Nonfarm	2,113,787	2,002,156,826	947	64,913,331	31	3.2
Commercial and industrial sales: [3]						
Farm	110,896	1,238,664,889	11,170	18,492,958	167	1.5
Nonfarm	452,866	6,823,229,963	15,067	99,402,191	219	1.5
Public street and highway lighting	3,171	246,237,561	77,653	6,756,183	2,131	2.7
Sales for resale, total [4]	149	2,479,840,483	----------	12,887,153	--------	.5
Sales to other electric utilities:						
Municipal distribution systems	44	215,732,136	----------	1,934,212	--------	.9
Other electric companies	92	2,248,854,258	----------	10,835,607	--------	.5

[1] Includes the following States: New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut; Middle Atlantic—New York, New Jersey, Pennsylvania; East North Central—Ohio, Indiana, Illinois, Michigan, Wisconsin; West North Central—Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas; South Atlantic—Delaware, District of Columbia, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida; East South Central—Kentucky, Tennessee, Alabama, Mississippi; West South Central—Arkansas, Louisiana, Oklahoma, Texas; Mountain—Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada; Pacific—Washington, Oregon, California.

[2] Includes statistics for "Street and interurban railways," "Electrified steam-railroad divisions," "Interdepartmental," "Other sales to public authorities," and "Other sales to ultimate consumer." These classes of service are not shown in this table.

[3] Includes statistics for "Rural—distinct rural rates only," which cover rural sales as outlined by the "Uniform system of accounts" prescribed by the Federal Power Commission for use of public utilities and licensees under its jurisdiction, as Account No. 601. The type of service represents commercial sales principally, although it is probable the figures include some residential or domestic sales.

[4] Includes statistics for "Mutual or cooperative undertakings" and "Other sales for resale." These classes of service are not shown in this table.

TABLE 20.—NUMBER OF CUSTOMERS—ULTIMATE CONSUMERS ONLY, BY CLASS OF SERVICE, ALL ESTABLISHMENTS, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	Total	RESIDENTIAL OR DOMESTIC SALES		COMMERCIAL AND INDUSTRIAL SALES [1]		Public street and highway lighting	Other sales to public authorities	Sales to railroads and railways [2]	Interdepartmental	Other sales to ultimate consumers
		Farm	Nonfarm	Farm	Nonfarm					
UNITED STATES	27,216,336	615,136	21,589,895	600,267	4,313,577	23,182	69,458	476	1,627	2,718
GEOGRAPHIC DIVISIONS:										
New England	2,410,432	56,375	1,987,956	4,429	354,753	1,766	3,689	45	170	1,249
Middle Atlantic	7,354,767	92,568	5,986,080	87,670	1,175,061	4,098	8,920	131	112	127
East North Central	6,443,860	143,723	5,189,420	209,268	881,930	4,861	14,147	119	186	206
West North Central	2,587,522	16,167	2,024,699	76,661	460,371	3,823	5,216	46	168	371
South Atlantic	2,264,022	80,589	1,753,390	35,224	387,056	1,808	5,574	33	254	94
East South Central	985,542	25,044	746,955	35,516	172,447	1,251	3,937	14	36	342
West South Central	1,564,615	11,091	1,208,023	32,962	301,488	1,572	9,209	24	65	181
Mountain	769,504	51,379	579,585	7,641	127,605	832	2,264	18	102	78
Pacific	2,836,072	138,200	2,113,787	110,896	452,866	3,171	16,502	46	534	70

See footnotes at end of table.

TABLE 20.—NUMBER OF CUSTOMERS—ULTIMATE CONSUMERS ONLY, BY CLASS OF SERVICE, ALL ESTABLISHMENTS, BY DIVISIONS AND STATES: 1937—Continued

DIVISION AND STATE	Total	RESIDENTIAL OR DOMESTIC SALES		COMMERCIAL AND INDUSTRIAL SALES [1]		Public street and highway lighting	Other sales to public authorities	Sales to railroads and railways [2]	Interdepartmental	Other sales to ultimate consumers
		Farm	Nonfarm	Farm	Nonfarm					
NEW ENGLAND:										
Maine	208,357	16,664	154,823	835	33,740	422	743	3	3	1,124
New Hampshire	136,988	8,567	106,476	187	20,200	218	1,324	4	3	10
Vermont and Rhode Island [3]	285,094	6,645	235,118	1,245	41,265	280	518	18		4
Massachusetts	1,295,577	14,044	1,085,652	1,246	192,632	739	997	15	156	96
Connecticut	484,416	10,455	405,887	916	66,916	107	107	5	8	15
MIDDLE ATLANTIC:										
New York	3,843,842	49,950	3,146,258	39,882	602,799	1,690	3,038	54	84	87
New Jersey	1,212,648	13,551	1,000,865	6,187	189,492	670	1,869	7	7	-------
Pennsylvania	2,298,277	29,067	1,838,957	41,601	382,770	1,738	4,013	70	21	40
EAST NORTH CENTRAL:										
Ohio	1,728,261	49,439	1,387,971	60,154	223,143	908	6,560	54	24	8
Indiana	772,940	13,372	596,967	43,981	113,453	948	4,071	37	100	11
Illinois	1,973,611	1,314	1,661,023	42,346	266,827	1,148	909	17	10	17
Michigan	1,258,536	77,544	1,005,267	6,185	167,639	867	931	8	25	70
Wisconsin	710,512	2,054	538,192	56,602	110,868	990	1,676	3	27	100
WEST NORTH CENTRAL:										
Minnesota	538,986	7,088	420,716	13,105	96,466	724	829	6	22	30
Iowa	508,790	1,428	388,516	27,530	89,668	861	710	12	25	40
Missouri	738,765	3,691	596,487	14,037	122,999	536	992	5	5	13
North Dakota	80,058	191	58,432	463	20,380	384	202	3	3	-------
South Dakota	92,296	267	68,183	1,599	21,622	274	344	-------	5	9
Nebraska	262,172	870	205,006	7,923	47,274	465	579	6	42	
Kansas	366,455	2,632	287,359	12,004	61,962	579	1,560	14	66	279
SOUTH ATLANTIC:										
Delaware, Maryland, and District of Columbia [3]	594,692	5,057	499,188	4,509	85,080	249	592	7	10	-------
Virginia	338,049	10,587	265,304	5,365	55,498	263	946	10	13	63
West Virginia	239,244	7,124	190,119	2,930	37,624	215	1,176	10	46	-------
North Carolina	345,183	27,123	241,548	11,367	64,087	315	631	-------	111	25
South Carolina	146,478	11,031	98,629	5,249	31,204	214	124	-------	3	
Georgia	282,618	13,593	211,334	3,705	53,500	365	112	6	71	6
Florida	317,758	6,074	247,268	2,099	60,063	187	1,993			
EAST SOUTH CENTRAL:										
Kentucky	318,051	2,917	253,347	8,612	50,717	317	2,121	3	5	14
Tennessee	304,138	16,801	230,771	5,401	50,205	206	733	4	15	
Alabama	235,421	1,969	172,271	17,521	42,557	418	348	7	9	322
Mississippi	127,932	3,357	90,566	3,982	28,968	310	735		7	6
WEST SOUTH CENTRAL:										
Arkansas	146,665	143	102,812	5,216	36,765	273	1,398	5	5	51
Louisiana	256,383	5,269	205,173	716	44,202	224	706		6	84
Oklahoma	307,608	838	232,492	9,731	61,871	335	2,284	5	8	46
Texas	853,959	4,841	667,546	17,299	158,650	740	4,821	14	46	
MOUNTAIN:										
Montana	105,873	2,417	80,158	1,418	21,612	171	52	4	40	3
Idaho	102,631	18,758	67,538	1,205	14,026	126	953		14	10
Wyoming	40,414	669	32,449	388	6,805	45	47		4	6
Colorado	235,740	8,286	181,867	2,295	42,803	194	275	3	9	8
New Mexico and Arizona [3]	134,344	7,532	100,520	1,153	24,678	105	282	3	20	51
Utah	126,062	13,070	98,359	600	13,221	158	640	8	7	-------
Nevada	24,440	647	18,694	582	4,460	33	15		8	-------
PACIFIC:										
Washington	482,677	40,153	362,018	13,520	64,961	663	1,246	15	84	19
Oregon	274,003	21,031	197,445	9,251	44,840	240	1,180	5		19
California	2,079,392	77,016	1,554,324	88,125	343,065	2,268	14,076	26	450	42

[1] This classification covers rural sales as outlined by the "Uniform System of Accounts" prescribed by the Federal Power Commission for use of public utilities and licensees under its jurisdiction, as Account No. 601. It was not extensively used, however, by reporting establishments in all geographic divisions. The type of service represents commercial sales principally, although it is probable the figures include some residential or domestic sales.

[2] Includes sales to "Street and interurban railways" and "Electrified steam-railroad divisions."

[3] Combined to avoid disclosure of individual operations.

TABLE 21.—TOTAL SALES[1]—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, ALL ESTABLISHMENTS, BY DIVISIONS AND STATES: 1937 AND 1932

DIVISION AND STATE	NUMBER OF CUSTOMERS		CURRENT SOLD (*kilowatt-hours*)		REVENUE FROM ELECTRIC SERVICE	
	1937	1932	1937	1932	1937	1932
UNITED STATES	27,219,362	23,861,642	132,929,517,239	88,265,073,126	$2,356,513,119	$1,975,303,955
GEOGRAPHIC DIVISIONS:						
New England	2,410,789	2,225,938	10,207,611,608	8,120,190,941	207,203,132	182,797,544
Middle Atlantic	7,355,096	6,675,352	32,253,987,438	21,967,213,770	635,995,098	559,818,749
East North Central	6,444,437	5,651,145	32,732,713,167	21,546,548,547	560,513,436	461,061,595
West North Central	2,588,245	2,327,587	8,089,259,477	5,866,945,224	192,347,227	165,960,425
South Atlantic	2,264,384	1,778,954	15,631,550,060	9,388,092.655	233,859,243	180,233,065
East South Central	985,691	773,496	6,883,011,157	3,624,347,396	91,662,639	70,267,238
West South Central	1,564,795	1,234,780	6,599,784,311	4,520,804,960	134,650,526	108,975,164
Mountain	769,704	634,003	6,276,690,283	2,321,594,425	78,871,334	55,333,696
Pacific	2,836,221	2,560,387	14,254,909,738	10,909,335.208	221,410,484	190,856,479
NEW ENGLAND:						
Maine	208,401	186,606	948,837,373	677,696,825	15,127,799	12,832,420
New Hampshire	137,039	120,600	804,593,119	721,651,318	13,785,465	12,039,340
Vermont, Rhode Island, and Connecticut[2]	769,620	712,223	3,355,369,779	2,431,823,071	69,956,033	60,125,624
Massachusetts	1,295,729	1,206,509	5,098,811,337	4,289,019,727	108,333,835	97,800,160
MIDDLE ATLANTIC:						
New York and New Jersey[2]	5,056,680	4,631,927	20,953,077,470	13,334,327,815	429,307,224	377,817,135
Pennsylvania	2,298,416	2,043,425	11,300,909,968	8,632,885,955	206,687,874	182,001,614
EAST NORTH CENTRAL:						
Ohio	1,728,423	1,506,421	7,900,474,992	5,185,327,153	141,765,899	118,419,818
Indiana	773,069	653,300	4,748,342,727	2,912,463,740	72,737,199	56,803,151
Illinois	1,973,703	1,808,753	11,747,935,739	8,369,017,621	186,742,050	160,090,996
Michigan	1,258,585	1,050,628	5,564,223,645	3,108,963,299	103,904,214	78,390,320
Wisconsin	710,657	632,043	2,771,736,064	1,970,776,734	55,364,074	47,357,310
WEST NORTH CENTRAL:						
Minnesota	539,112	484,216	1,647,457,108	1,109,421,519	41,946,385	35,145,770
Iowa	508,981	460,770	1,628,096,344	949,496,363	37,461,100	30,963,097
Missouri	738,843	655,872	2,830,475,477	2,329,239,304	57,177,143	50,763,111
North Dakota and South Dakota[2]	172,388	155,178	302,830,495	203,679,986	11,970,110	10,693,385
Nebraska	262,328	236,149	676,501,009	538,441,641	18,270,799	16,524,258
Kansas	366,593	335,402	1,003,899,044	736,666,411	25,521,690	21,870,804
SOUTH ATLANTIC:						
Delaware, Maryland, District of Columbia, and West Virginia[2]	834,006	691,689	6,568,767,997	3,534,430,493	87,452,098	65,838,413
Virginia	338,081	267,667	1,292,982,786	895,833,163	28,269,491	22,291,738
North Carolina	345,281	262,924	3,625,621,172	2,211,247,954	39,834,402	31,240,480
South Carolina	146,537	107,240	1,625,695,881	1,230,030,529	20,347,353	16,919,278
Georgia	282,694	211,705	1,674,972,458	1,015,356,083	29,105,590	22,723,200
Florida	317,785	237,729	843.509,766	501,194,433	28,850,309	21,219,956
EAST SOUTH CENTRAL:						
Kentucky	318,103	272,546	1,237,707,611	866,872,173	24,924,310	21,236,042
Tennessee	304,188	238,045	2,679,224,476	1,087,940,890	29,956,978	20,624,558
Alabama	235,450	171,136	2,546,317,971	1,467,957,507	26,614,407	20,807,527
Mississippi	127,950	91,769	419,761,099	201,576,826	10,166,944	7,599,111
WEST SOUTH CENTRAL:						
Arkansas and Oklahoma[2]	454,345	383,874	1,582,817,939	1,061,204,871	37,584,934	31,089,617
Louisiana	256,415	191,252	1,711,583,736	1,158,348,096	24,862,367	19,960,221
Texas	854,035	659,654	3,305,382,636	2,301,251,993	72,203,225	57,925,326
MOUNTAIN:						
Montana and Utah[2]	231,983	194,902	2,151,736,125	917,592,592	24,850,904	18,046,376
Idaho	102,673	77,756	1,237,094,215	507,611,143	11,307,331	7,271,946
Wyoming	40,448	34,677	162,565,972	68,775,290	4,334,361	2,999,994
Colorado and Nevada[2]	260,223	227,961	1,814,048,060	460,428,147	22,215,496	16,985,012
New Mexico and Arizona[2]	134,377	98,707	911,245,911	367,187,253	16,163,242	10,030,368
PACIFIC:						
Washington	482,735	417,526	3,251,212,232	2,371,535,171	37,872,279	31,787,035
Oregon	274,024	237,338	1,201,978,130	820,740,885	21,206,157	16,417,335
California	2,079,462	1,905,523	9,801,719,376	7,717,059,152	162,332,048	142,661,109

[1] Includes sales to ultimate consumers and sales for resale.
[2] Combined to avoid disclosing the operations of individual establishments.

TABLE 22.—CURRENT GENERATED AND ENERGY RECEIVED FROM OTHER SOURCES, ALL ESTABLISHMENTS, BY GEOGRAPHIC DIVISIONS: 1937

DIVISION	Total output [1] (*kilowatt-hours*)	Generated output (*kilowatt-hours*)	RECEIVED FROM OTHER SOURCES (*kilowatt-hours*)				
			Total	Energy purchased			Other receipts of energy [2]
				Total	From other electric systems	From other sources	
UNITED STATES	168, 299, 656, 881	121, 097, 430, 896	47, 202, 225, 985	34, 110, 614, 947	32, 649, 935, 135	1, 460, 679, 812	13, 091, 611, 038
GEOGRAPHIC DIVISIONS: [3]							
New England	11, 895, 928, 681	7, 577, 025, 366	4, 318, 903, 315	3, 965, 280, 752	3, 876, 315, 511	88, 965, 241	353, 622, 563
Middle Atlantic	40, 825, 166, 686	29, 776, 425, 143	11, 048, 741, 543	7, 433, 780, 483	7, 005, 784, 344	427, 996, 139	3, 614, 961, 060
East North Central	37, 798, 967, 984	28, 592, 109, 259	9, 206, 858, 725	8, 231, 903, 084	7, 943, 542, 817	288, 360, 267	974, 955, 641
West North Central	10, 348, 733, 549	7, 554, 600, 130	2, 794, 133, 419	2, 175, 038, 500	2, 008, 106, 897	166, 931, 603	619, 094, 919
South Atlantic	22, 331, 189, 215	15, 080, 259, 531	7, 250, 929, 684	4, 046, 267, 965	3, 980, 201, 863	66, 066, 102	3, 204, 661, 719
East South Central	8, 817, 095, 333	5, 585, 479, 371	3, 231, 615, 962	2, 273, 661, 182	2, 199, 815, 934	73, 845, 248	957, 954, 780
West South Central	8, 128, 650, 043	6, 463, 696, 022	1, 664, 954, 021	1, 135, 589, 392	1, 063, 976, 981	71, 612, 411	529, 364, 629
Mountain	9, 350, 399, 188	5, 781, 982, 500	3, 568, 416, 688	2, 241, 756, 188	2, 070, 777, 859	170, 978, 329	1, 326, 660, 500
Pacific	18, 803, 526, 202	14, 685, 853, 574	4, 117, 672, 628	2, 607, 337, 401	2, 501, 412, 929	105, 924, 472	1, 510, 335, 227

[1] Includes generated output and energy received from other sources. Since the energy "Received from other sources" was, in large part, purchased from other electric light and power companies, a considerable duplication is involved, as such energy would also be included in the "Generated."

[2] Includes energy reported as received "From own system outside State" and "Other."

[3] See footnote 1, table 19.

Chapter IV.—FUEL-BURNING AND HYDROELECTRIC GENERATING STATIONS

Separate statistics for hydroelectric generating plants were shown for the first time in the census for 1912. For that year, and for 1917 and 1922, only those establishments which reported water power of 1,000 horsepower or more, including some which reported both water and other power, were considered as hydroelectric plants. Statistics for these establishments, necessarily, included a small amount of steam power, since establishments combining steam and moderately large water-power developments were included, while on the other hand, statistics for smaller water-power plants were excluded.

Hydroelectric groupings.—Beginning with the census for 1927, data for establishments reporting water power have been presented in the following groupings: (1) Those reporting water power of 1,000 horsepower or more; (2) those reporting 50 percent or more of their current generated by means of water power; (3) all establishments reporting water power; and (4) establishments reporting water power only. There is obviously considerable overlapping in some of these groups (table 25), since data reported by numerous establishments are included in more than one of the groupings. However, in table 23, separate figures are given for generators driven by power derived from fuel and for those driven by water power, while table 24 shows the amount of current generated by fuel-burning and by hydroelectric equipment, disregarding the classifications of the establishments.

Comparison with census for 1932.—A comparison of the several items in all groupings with similar statistics for 1932 shows considerable increase in the majority of the items. The number of prime movers, however, follows the downward trend characteristic of the present tendency toward the consolidation of generating facilities into fewer and larger units. In marked contrast to the normal increase observed in the several other types of prime movers as well as for the industry as a whole, the total horsepower capacity of steam turbines used in the generation of electric energy has decreased in certain of the groups. These decreases are due, in a large measure, to changes in the classification of identical establishments in the two census years. The "Establishments reporting water power only" group includes statistics for 37 establishments that reported their entire output as generated by water power, although their reports showed a negligible amount of idle equipment other than hydroelectric. The generated output of these establishments amounted to 654,514,937 kilowatt-hours, while the rated capacity of their generators driven by water power was reported as 304,197 kilowatts.

Combination of hydroelectric and fuel-burning plants.—In numerous instances water-power and fuel-burning plants are combined in a single establishment. By such a combination maximum advantage can be taken of available stream flow at any given time, fuel being used only for providing the additional energy to meet the demand.

On the other hand, during periods of low water, a possible deficiency can be carried by steam plants. As a consequence of the latter consideration the "Establishments which report water power only" group accounts for a relatively small part of the industry totals. On the other hand, "Establishments reporting 1,000 horsepower or more" reported 55.9 percent of the total generated output of the industry as a whole, while "Establishments reporting 50 percent or more current generated by water power" reported 38.7 percent. It is interesting to note that "All establishments reporting water power" reported 40.8 percent of the total rated capacity of steam turbines reported for the industry as a whole.

Comparison by regions.—The Pacific group is by far the predominant water-power geographic division, although the Mountain and the East South Central divisions also reported more than 50 percent of their rated generator capacity as hydroelectric.

TABLE 23.—GENERATOR CAPACITY OF FUEL-BURNING AND OF HYDROELECTRIC EQUIPMENT, ALL ESTABLISHMENTS, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	RATED GENERATOR CAPACITY (*kilowatts*)			PERCENT OF TOTAL	
	Total	Fuel	Hydro	Fuel	Hydro
UNITED STATES	36,481,107	25,882,645	10,598,462	70.9	29.1
GEOGRAPHIC DIVISIONS:					
New England	2,752,721	1,836,219	916,502	66.7	33.3
Middle Atlantic	8,838,327	7,327,874	1,510,453	82.9	17.1
East North Central	8,289,069	7,594,224	694,845	91.6	8.4
West North Central	2,728,008	2,289,461	438,547	83.9	16.1
South Atlantic	4,447,880	2,432,009	2,015,871	54.7	45.3
East South Central	1,857,809	755,818	1,101,991	40.7	59.3
West South Central	1,791,336	1,689,716	101,620	94.3	5.7
Mountain	1,662,650	500,730	1,161,920	30.1	69.9
Pacific	4,113,307	1,456,594	2,656,713	35.4	64.6
NEW ENGLAND:					
Maine	259,857	57,457	202,400	22.1	77.9
New Hampshire	298,921	62,014	236,907	20.7	79.3
Vermont and Rhode Island [1]	404,651	239,411	165,240	59.2	40.8
Massachusetts	1,210,319	992,386	217,933	82.0	18.0
Connecticut	578,973	484,951	94,022	83.8	16.2
MIDDLE ATLANTIC:					
New York	4,837,375	3,723,022	1,114,353	77.0	23.0
New Jersey	1,066,890	1,064,490	2,400	99.8	.2
Pennsylvania	2,934,062	2,540,362	393,700	86.6	13.4
EAST NORTH CENTRAL:					
Ohio	2,179,100	2,167,100	12,000	99.4	.6
Indiana	1,038,397	1,003,094	35,303	96.6	3.4
Illinois	2,396,977	2,349,546	47,431	98.0	2.0
Michigan	1,754,288	1,395,014	359,274	79.5	20.5
Wisconsin	920,307	679,470	240,837	73.8	26.2
WEST NORTH CENTRAL:					
Minnesota	516,245	391,425	124,820	75.8	24.2
Iowa	607,748	474,844	132,904	78.1	21.9
Missouri	765,771	608,596	157,175	79.5	20.5
North Dakota	73,177	73,177	----------	100.0	--------
South Dakota	76,573	71,898	4,675	93.9	6.1
Nebraska	269,611	257,490	12,121	95.5	4.5
Kansas	418,883	412,031	6,852	98.4	1.6
SOUTH ATLANTIC:					
Delaware, Maryland, and District of Columbia [1]	844,878	573,493	271,385	67.9	32.1
Virginia	439,167	342,012	97,155	77.9	22.1
West Virginia	638,878	537,898	100,980	84.2	15.8
North Carolina	992,327	339,502	652,825	34.2	65.8
South Carolina	675,721	137,871	537,850	20.4	79.6
Georgia	483,792	142,459	341,333	29.4	70.6
Florida	373,117	358,774	14,343	96.2	3.8
EAST SOUTH CENTRAL:					
Kentucky	343,068	237,883	105,185	69.3	30.7
Tennessee	526,380	208,237	318,143	39.6	60.4
Alabama	922,996	244,333	678,663	26.5	73.5
Mississippi	65,365	65,365	----------	100.0	--------
WEST SOUTH CENTRAL:					
Arkansas	161,336	94,630	66,706	58.7	41.3
Louisiana	327,815	327,815	----------	100.0	--------
Oklahoma	336,246	334,622	1,624	99.5	.5
Texas	965,939	932,649	33,290	96.6	3.4
MOUNTAIN:					
Montana	277,550	11,895	265,655	4.3	95.7
Idaho	260,025	4,691	255,334	1.8	98.2
Wyoming	63,126	46,654	16,472	73.9	26.1
Colorado	227,824	162,830	64,994	71.5	28.5
Arizona and New Mexico [1]	305,626	177,469	128,157	58.1	41.9
Utah	160,434	68,742	91,692	42.8	57.2
Nevada	368,065	28,449	339,616	7.7	92.3
PACIFIC:					
Washington	1,005,959	204,996	800,963	20.4	79.6
Oregon	371,131	180,935	190,196	48.8	51.2
California	2,736,217	1,070,663	1,665,554	39.1	60.9

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 24.—CURRENT GENERATED BY FUEL-BURNING AND BY HYDROELECTRIC EQUIPMENT, ALL ESTABLISHMENTS, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	CURRENT GENERATED (*kilowatt-hours*)			PERCENT OF TOTAL	
	Total	Fuel	Hydro	Fuel	Hydro
UNITED STATES	121,097,430,896	75,318,724,778	45,778,706,118	62.2	37.8
GEOGRAPHIC DIVISIONS:					
New England	7,577,025,366	4,174,531,675	3,402,493,691	55.1	44.9
Middle Atlantic	29,776,425,143	21,462,765,801	8,313,659,342	72.1	27.9
East North Central	28,592,109,259	25,935,592,928	2,656,516,331	90.7	9.3
West North Central	7,554,600,130	5,688,841,362	1,865,758,768	75.3	24.7
South Atlantic	15,080,259,531	6,804,657,085	8,275,602,446	45.1	54.9
East South Central	5,585,479,371	1,594,349,369	3,991,130,002	28.5	71.5
West South Central	6,463,696,022	6,214,906,517	248,789,505	96.2	3.8
Mountain	5,781,982,500	1,381,536,307	4,400,446,193	23.9	76.1
Pacific	14,685,853,574	2,061,543,734	12,624,309,840	14.0	86.0
NEW ENGLAND:					
Maine	1,032,910,262	48,755,648	984,154,614	4.7	95.3
New Hampshire	760,114,088	56,479,505	703,634,583	7.4	92.6
Vermont and Rhode Island [1]	1,293,178,803	639,010,156	654,168,647	49.4	50.6
Massachusetts	2,852,087,311	2,166,079,926	686,007,385	75.9	24.1
Connecticut	1,638,734,902	1,264,206,440	374,528,462	77.1	22.9
MIDDLE ATLANTIC:					
New York	15,582,897,247	9,312,271,645	6,270,625,602	59.8	40.2
New Jersey	3,707,988,218	3,678,616,342	29,371,876	99.2	.8
Pennsylvania	10,485,539,678	8,471,877,814	2,013,661,864	80.8	19.2
EAST NORTH CENTRAL:					
Ohio	8,070,468,170	8,033,164,589	37,303,581	99.5	.5
Indiana	3,736,887,519	3,587,526,563	149,360,956	96.0	4.0
Illinois	8,059,574,262	7,832,780,620	226,793,642	97.2	2.8
Michigan	6,028,307,730	4,703,955,597	1,324,352,133	78.0	22.0
Wisconsin	2,696,871,578	1,778,165,559	918,706,019	65.9	34.1
WEST NORTH CENTRAL:					
Minnesota	1,480,700,417	981,955,552	498,744,865	66.3	33.7
Iowa	1,887,399,347	1,162,707,009	724,692,338	61.6	38.4
Missouri	1,870,848,171	1,290,852,582	579,995,589	69.0	31.0
North Dakota	200,840,952	200,840,952	----------	100.0	--------
South Dakota	144,810,035	135,778,735	9,031,300	93.8	6.2
Nebraska	703,907,133	672,385,383	31,521,750	95.5	4.5
Kansas	1,266,094,075	1,244,321,149	21,772,926	98.3	1.7
SOUTH ATLANTIC:					
Delaware, Maryland, and District of Columbia [1]	2,965,672,767	1,340,069,980	1,625,602,787	45.2	54.8
Virginia	1,638,742,805	1,213,125,326	425,617,479	74.0	26.0
West Virginia	2,833,718,720	2,469,063,991	364,654,729	87.1	12.9
North Carolina	3,215,857,638	416,354,381	2,799,503,257	12.9	87.1
South Carolina	1,752,429,717	143,760,689	1,608,669,028	8.2	91.8
Georgia	1,758,630,581	355,686,165	1,402,944,416	20.2	79.8
Florida	915,207,303	866,596,553	48,610,750	94.7	5.3
EAST SOUTH CENTRAL:					
Kentucky	894,607,801	586,309,522	308,298,279	65.5	34.5
Tennessee	1,841,302,173	572,412,959	1,268,889,214	31.1	68.9
Alabama	2,771,901,772	357,959,263	2,413,942,509	12.9	87.1
Mississippi	77,667,625	77,667,625	----------	100.0	--------
WEST SOUTH CENTRAL:					
Arkansas	279,107,212	139,645,164	139,462,048	50.0	50.0
Louisiana	1,730,855,751	1,730,855,751	----------	100.0	--------
Oklahoma	1,107,549,981	1,105,873,148	1,676,833	99.8	.2
Texas	3,346,183,078	3,238,532,454	107,650,624	96.8	3.2
MOUNTAIN:					
Montana	1,319,065,010	22,970,459	1,296,094,551	1.7	98.3
Idaho	973,594,978	1,509,654	972,085,324	.2	99.8
Wyoming	161,596,192	119,267,666	42,328,526	73.8	26.2
Colorado	681,741,410	461,819,330	219,922,080	67.7	32.3
Arizona and New Mexico [1]	903,529,669	479,021,516	424,508,153	53.0	47.0
Utah	519,936,637	218,873,164	301,063,473	42.1	57.9
Nevada	1,222,518,604	78,074,518	1,144,444,086	6.4	93.6
PACIFIC:					
Washington	3,693,204,079	396,677,354	3,296,526,725	10.7	89.3
Oregon	1,393,361,394	387,726,266	1,005,635,128	27.8	72.2
California	9,599,288,101	1,277,140,114	8,322,147,987	13.3	86.7

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 25.—SUMMARY, ALL ESTABLISHMENTS AND HYDROELECTRIC ESTABLISHMENTS: 1937

	All establishments [1]	All establishments reporting water power	Establishments reporting 50 percent or more current generated by water power	Establishments reporting water power of 1,000 horsepower or more	Establishments reporting water power only [2]
Number of establishments	3,501	572	462	314	316
Percent of all establishments	100.0	16.3	13.2	9.0	9.0
Prime movers:					
Number	10,824	5,670	3,638	4,603	1,282
Percent of all establishments	100.0	52.4	33.6	42.5	11.8
Horsepower	50,220,081	29,367,195	18,095,511	26,590,334	5,677,663
Percent of all establishments	100.0	58.5	36.0	52.9	11.3
Steam engines—					
Number	854	254	94	187	[3] 16
Percent of all establishments	100.0	29.7	11.0	21.9	1.9
Horsepower	711,987	348,097	82 835	331,973	[3] 6,255
Percent of all establishments	100.0	48.9	11.6	46.6	0.9
Steam turbines—					
Number	2,727	1,008	350	852	[3] 21
Percent of all establishments	100.0	37.0	12.8	31.2	0.8
Horsepower	33,177,336	13,522,620	3,860,582	11,148,438	[3] 107,903
Percent of all establishments	100.0	40.8	11.6	33.6	0.3
Internal-combustion engines—					
Number	3,495	660	279	389	[3] 21
Percent of all establishments	100.0	18.9	8.0	11.1	0.6
Horsepower	1,100,561	266,281	122,211	186,473	[3] 3,358
Percent of all establishments	100.0	24.2	11.1	16.9	0.3
Hydroturbines and water wheels—					
Number	3,748	3,748	2,915	3,175	1,224
Percent of all establishments	100.0	100.0	77.8	84.7	32.7
Horsepower	15,230,197	15,230,197	14,029,883	14,923,450	5,560,147
Percent of all establishments	100.0	100.0	92.1	98.0	36.5
Generators:					
Number	10,721	5,555	3,606	4,572	1,271
Percent of all establishments	100.0	51.8	33.6	42.6	11.9
Kilowatt capacity	36,481,107	21,104,913	12,745,179	19,061,254	3,952,129
Percent of all establishments	100.0	57.9	34.9	52.2	10.8
Current generated, kilowatt-hours	121,097,430,896	75,131,415,574	46,807,353,546	67,695,527,916	17,235,871,629
Percent of all establishments	100.0	62.0	38.7	55.9	14.2
Total sales: [4]					
Number of customers	27,219,362	13,142,961	5,633,976	10,972,049	704,547
Percent of all establishments	100.0	48.3	20.7	40.3	2.6
Kilowatt-hours sold	132,929,517,239	78,430,261,281	47,097,864,005	69,641,008,364	15,893,023,198
Percent of all establishments	100.0	59.0	35.4	52.4	12.0
Total revenue	$2,356,513,119	$1,207,804,901	$574,974,687	$1,027,036,720	$104,364,397
Percent of all establishments	100.0	51.3	24.4	43.6	4.4

[1] Includes establishments which purchased all current distributed.
[2] Includes data for 37 establishments that reported their entire output generated by waterpower, although their reports showed idle generating equipment other than hydroelectric. See footnote 3.
[3] Reported as idle equipment.
[4] Includes figures relating to "Sales for resale."

Chapter V.—PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES

This chapter presents separate statistics for privately owned and municipally owned electric utilities, giving detailed statistics by geographic divisions and States for the principal items of the schedule. Of the five major groups (reporting sources) into which the industry has been divided for analytical purposes in the 1937 Census of Electric Light and Power industry, the "privately owned and municipally owned electric utilities" groups represented a very great proportion of the several inquiries covering statistics for the industry as a whole. The following condensed statement will serve to indicate the dominant importance, within the industry, of these two groups. The combined generated output of privately owned and municipally owned electric utilities, as reported for 1937, was 115,173,469,769 kilowatt-hours, or 95.1 percent of the total reported for the entire industry. The combined generator capacity of these two groups was 34,692,265 kilowatts, or 95.1 percent of the total. In "Sales to ultimate consumers," these two groups reported 27,089,682 customers served, 99,198,412,660 kilowatt-hours sold, and revenue for such service amounted to $2,156,477,948, representing 99.5, 96.2, and 99 percent, respectively, of the totals reported for the industry.

Comparison with earlier censuses.—Prior to 1937, the industry was divided into two major classifications: (1) "Municipal," covering all municipally owned electric plants that sold energy commercially, and (2) "Commercial," covering all reporting establishments that were not classified as "Municipal." In this report, certain municipal concerns that operated generating plants principally for their own use (lighting streets, operating municipal street railways or pumping stations, etc.), but incidentally sold a relatively small amount of current, have been classified in the "Other sources" group, and statistics for such concerns are included under that classification. (See ch. II, pp. 16 to 24.) However, there were relatively few concerns of this type, and the comparability of "Municipally owned electric utilities" as presented for 1937 and "Municipal" as presented for former census years is not greatly affected by this change in classification. Statistics for "Privately owned electric utilities" as published in this report only include data for utilities operated by corporations, firms or partnerships, or individuals; therefore, these statistics are not comparable with those presented in earlier censuses as "Commercial," since the latter classification included data for manufacturing, mining, railway, railroad, and similar concerns in which the sale of electric energy was merely incidental to their normal activities. Statistics for such establishments are included in the "Other sources" group for 1937. In addition, a few mutual or cooperative undertakings, and power and irrigation districts, which are classified in the "Cooperative and power district" group for 1937,

were included in "Commercial" in earlier censuses. (See ch. II, pp. 16 to 24.)

Comparison of "privately owned electric utilities" and "municipally owned electric utilities."—In making any comparison between the statistics for privately owned electric utilities, and the statistics for municipally owned electric utilities, it should be borne in mind that these two types of utilities operate on very different bases. While municipally owned utilities, as a rule, operate in comparatively small communities, serving a limited number of customers, privately owned utilities are generally much larger, and serve a greater territory, often operating in several States by means of transmission systems. Naturally, due consideration should be given to the relative scope of operations, source and cost of energy, taxes, local operating conditions, kinds of services rendered, types of equipment, and many other frequently variable factors, before valid conclusions as to comparative rates and service can be reached.

In order to make possible an increase in the body of tabular material in this chapter, comment on the various items in the tables has been omitted. As the changes in industry subclassifications, noted above, have affected the comparability of the 1937 figures for privately owned and municipally owned electric utilities with the statistics of earlier census years, only statistics for 1937 are presented.

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TABLE 26.—NUMBER OF ESTABLISHMENTS GENERATING AND DISTRIBUTING ONLY, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	Total	GENERATING ENERGY			DISTRIBUTING ONLY		
		Total	Privately owned electric utilities	Municipally owned electric utilities	Total	Privately owned electric utilities	Municipally owned electric utilities
UNITED STATES	3,200	1,703	818	885	1,497	522	975
GEOGRAPHIC DIVISIONS:							
New England	251	119	94	25	132	80	52
Middle Atlantic	242	107	68	39	135	72	63
East North Central	608	296	114	182	312	100	212
West North Central	933	504	157	347	429	88	341
South Atlantic	344	146	83	63	198	49	149
East South Central	130	75	37	38	55	22	33
West South Central	244	187	71	116	57	22	35
Mountain	291	191	132	59	100	46	54
Pacific	157	78	62	16	79	43	36
NEW ENGLAND:							
Maine	52	26	22	4	26	23	3
New Hampshire	29	17	14	3	12	8	4
Vermont and Rhode Island [1]	54	27	18	9	27	20	7
Massachusetts	97	38	31	7	59	25	34
Connecticut	19	11	9	2	8	4	4
MIDDLE ATLANTIC:							
New York	116	53	36	17	63	27	36
New Jersey	21	10	6	4	11	4	7
Pennsylvania	105	44	26	18	61	41	20
EAST NORTH CENTRAL:							
Ohio	167	66	15	51	101	31	70
Indiana	125	52	19	33	73	24	49
Illinois	95	59	21	38	36	17	19
Michigan	80	57	23	34	23	8	15
Wisconsin	141	62	36	26	79	20	59
WEST NORTH CENTRAL:							
Minnesota	157	75	22	53	82	11	71
Iowa	189	95	25	70	94	26	68
Missouri	110	75	32	43	35	18	17
North Dakota	31	26	11	15	5	3	2
South Dakota	75	56	28	28	19	9	10
Nebraska	199	97	24	73	102	5	97
Kansas	172	80	15	65	92	16	76
SOUTH ATLANTIC:							
Delaware, Maryland, and District of Columbia [1]	35	20	12	8	15	8	7
Virginia	38	25	16	9	13	6	7
West Virginia	34	12	11	1	22	19	3
North Carolina	96	32	17	15	64	7	57
South Carolina	37	12	10	2	25	5	20
Georgia	61	15	8	7	46	1	45
Florida	43	30	9	21	13	3	10
EAST SOUTH CENTRAL:							
Kentucky	29	22	16	6	7	3	4
Tennessee	40	20	12	8	20	12	8
Alabama	28	8	4	4	20	5	15
Mississippi	33	25	5	20	8	2	6
WEST SOUTH CENTRAL:							
Arkansas	39	30	17	13	9	8	1
Louisiana	44	38	14	24	6	1	5
Oklahoma	92	56	14	42	36	7	29
Texas	69	63	26	37	6	6	----------
MOUNTAIN:							
Montana	31	26	22	4	5	5	----------
Idaho	37	18	14	4	19	8	11
Wyoming	44	27	21	6	17	6	11
Colorado	63	46	23	23	17	9	8
New Mexico and Arizona [1]	51	39	36	3	12	9	3
Utah	48	27	9	18	21	4	17
Nevada	17	8	7	1	9	5	4
PACIFIC:							
Washington	59	26	22	4	33	20	13
Oregon	38	27	21	6	11	6	5
California	60	25	19	6	35	17	18

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 27.—NUMBER OF ESTABLISHMENTS REPORTING GENERATING EQUIPMENT AND HORSEPOWER OF PRIME MOVERS, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	NUMBER OF ESTABLISHMENTS REPORTING GENERATING EQUIPMENT			HORSEPOWER OF PRIME MOVERS		
	Total	Privately owned electric utilities	Municipally owned electric utilities	Total	Privately owned electric utilities	Municipally owned electric utilities
UNITED STATES	1,772	847	925	47,740,355	44,285,739	3,454,616
GEOGRAPHIC DIVISIONS:						
New England	126	98	28	3,699,240	3,600,223	99,017
Middle Atlantic	118	77	41	11,912,317	11,763,176	149,141
East North Central	308	115	193	10,993,960	10,224,007	769,953
West North Central	513	160	353	3,702,031	3,087,873	614,158
South Atlantic	164	89	75	5,879,750	5,636,356	243,394
East South Central	79	39	40	1,855,071	1,779,646	75,425
West South Central	195	77	118	2,418,118	2,207,800	210,318
Mountain	193	132	61	1,656,961	1,565,932	91,029
Pacific	76	60	16	5,622,907	4,420,726	1,202,181
NEW ENGLAND:						
Maine	28	23	5	332,314	330,718	1,596
New Hampshire	17	14	3	451,900	449,784	2,116
Vermont and Rhode Island [1]	27	18	9	501,566	488,134	13,432
Massachusetts	42	33	9	1,642,852	1,574,164	68,688
Connecticut	12	10	2	770,608	757,423	13,185
MIDDLE ATLANTIC:						
New York	59	40	19	6,464,390	6,386,531	77,859
New Jersey	11	7	4	1,526,200	1,511,484	14,716
Pennsylvania	48	30	18	3,921,727	3,865,161	56,566
EAST NORTH CENTRAL						
Ohio	67	15	52	2,915,843	2,683,298	232,545
Indiana	53	20	33	1,402,555	1,179,814	222,741
Illinois	60	21	39	3,160,647	3,065,486	95,161
Michigan	59	23	36	2,249,326	2,089,084	160,242
Wisconsin	69	36	33	1,265,589	1,206,325	59,264
WEST NORTH CENTRAL:						
Minnesota	77	23	54	706,582	592,606	113,976
Iowa	95	24	71	810,287	707,679	102,608
Missouri	76	32	44	1,035,704	933,777	101,927
North Dakota	26	12	14	99,708	90,351	9,357
South Dakota	56	28	28	103,484	80,532	22,952
Nebraska	101	25	76	379,431	282,103	97,328
Kansas	82	16	66	566,835	400,825	166,010
SOUTH ATLANTIC:						
Delaware, Maryland, and District of Columbia [1]	21	12	9	1,168,127	1,145,006	23,121
Virginia	25	16	9	573,635	552,372	21,263
West Virginia	16	15	1	862,859	862,514	345
North Carolina	33	18	15	1,028,143	973,125	55,018
South Carolina	15	10	5	959,166	954,486	4,680
Georgia	19	8	11	741,205	729,786	11,419
Florida	35	10	25	546,615	419,067	127,548
EAST SOUTH CENTRAL:						
Kentucky	23	16	7	457,020	436,240	20,780
Tennessee	21	13	8	462,264	444,854	17,410
Alabama	9	5	4	852,609	847,009	5,600
Mississippi	26	5	21	83,178	51,543	31,635
WEST SOUTH CENTRAL:						
Arkansas	31	18	13	217,755	194,526	23,229
Louisiana	41	15	26	453,284	409,617	43,667
Oklahoma	56	14	42	448,572	391,591	56,981
Texas	67	30	37	1,298,507	1,212,066	86,441
MOUNTAIN:						
Montana	26	22	4	442,425	441,755	670
Idaho	17	13	4	352,257	340,009	12,248
Wyoming	29	22	7	46,175	43,836	2,339
Colorado	46	23	23	317,231	264,128	53,103
New Mexico and Arizona [1]	40	36	4	252,077	249,233	2,844
Utah	27	9	18	231,291	211,706	19,585
Nevada	8	7	1	15,505	15,265	240
PACIFIC:						
Washington	25	21	4	1,379,716	835,850	543,866
Oregon	27	21	6	548,560	518,705	29,855
California	24	18	6	3,694,631	3,066,171	628,460

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 28.—NUMBER OF PRIVATELY OWNED ELECTRIC UTILITIES, BY CHARACTER OF OWNERSHIP, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	PRIVATELY OWNED ELECTRIC UTILITIES			
	Total	Incorporated	Individual	Firm or partnership
UNITED STATES	1,340	1,128	164	48
GEOGRAPHIC DIVISIONS:				
New England	174	157	17	----------
Middle Atlantic	140	132	5	3
East North Central	214	192	15	7
West North Central	245	187	46	12
South Atlantic	132	116	12	4
East South Central	59	56	3	----------
West South Central	93	77	11	5
Mountain	178	135	33	10
Pacific	105	76	22	7
NEW ENGLAND:				
Maine	45	38	7	----------
New Hampshire	22	18	4	----------
Vermont and Rhode Island [1]	38	32	6	----------
Massachusetts	56	56	----------	----------
Connecticut	13	13	----------	----------
MIDDLE ATLANTIC:				
New York	63	57	4	2
New Jersey	10	10	----------	----------
Pennsylvania	67	65	1	1
EAST NORTH CENTRAL:				
Ohio	46	41	3	2
Indiana	43	37	5	1
Illinois	38	38	----------	----------
Michigan	31	25	4	2
Wisconsin	56	51	3	2
WEST NORTH CENTRAL:				
Minnesota	33	22	9	2
Iowa	51	47	2	2
Missouri	50	41	5	4
North Dakota	14	13	1	----------
South Dakota	37	19	17	1
Nebraska	29	20	7	2
Kansas	31	25	5	1
SOUTH ATLANTIC:				
Delaware, Maryland, and District of Columbia [1]	20	19	1	----------
Virginia	22	19	2	1
West Virginia	30	28	2	----------
North Carolina	24	19	3	2
South Carolina	15	13	2	----------
Georgia	9	7	1	1
Florida	12	11	1	----------
EAST SOUTH CENTRAL:				
Kentucky	19	19	----------	----------
Tennessee	24	22	2	----------
Alabama	9	9	----------	----------
Mississippi	7	6	1	----------
WEST SOUTH CENTRAL:				
Arkansas	25	20	1	4
Louisiana	15	15	----------	----------
Oklahoma	21	17	4	----------
Texas	32	25	6	1
MOUNTAIN:				
Montana	27	11	13	3
Idaho	22	18	1	3
Wyoming	27	21	6	----------
Colorado	32	25	5	2
New Mexico and Arizona [1]	45	39	5	1
Utah	13	12	1	----------
Nevada	12	9	2	1
PACIFIC:				
Washington	42	31	9	2
Oregon	27	21	4	2
California	36	24	9	3

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 29.—GENERATORS—NUMBER AND KILOWATT CAPACITY, BY TYPE OF PRIME MOVER, PRIVATELY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	TOTAL		STEAM ENGINES		STEAM TURBINES		INTERNAL-COMBUSTION ENGINES				HYDROTURBINES AND WATER WHEELS	
							Diesel and semi-Diesel		Other internal-combustion engines			
	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts
UNITED STATES	7,543	32,192,918	528	417,368	2,060	22,824,364	1,564	337,166	271	43,835	3,120	8,570,185
GEOGRAPHIC DIVISIONS:												
New England	708	2,627,236	20	5,416	187	1,753,980	31	4,457	3	175	467	863,208
Middle Atlantic	993	8,594,017	57	93,023	369	7,013,036	20	2,972	23	2,771	524	1,482,215
East North Central	1,230	7,586,745	97	169,550	436	6,785,314	50	11,179	13	1,837	634	618,865
West North Central	1,218	2,281,434	135	39,820	327	1,704,785	449	103,007	43	8,693	264	425,129
South Atlantic	897	3,973,277	46	10,964	227	2,186,319	174	36,543	19	4,286	431	1,735,165
East South Central	413	1,297,244	53	68,239	120	548,755	121	15,512	27	2,607	92	662,131
West South Central	772	1,622,546	46	12,065	199	1,420,201	419	80,075	66	9,234	42	100,971
Mountain	778	1,063,717	69	15,391	106	335,999	238	45,246	69	13,833	296	653,248
Pacific	534	3,146,702	5	2,900	89	1,075,975	62	38,175	8	399	370	2,029,253
NEW ENGLAND:												
Maine	177	234,025	2	340	13	55,300	11	1,435	1	150	150	176,800
New Hampshire	119	297,255	4	441	11	60,250	4	381			100	236,183
Vermont and Rhode Island [1]	129	385,984	4	770	22	236,750	8	266	2	25	93	148,173
Massachusetts	192	1,145,717	10	3,865	94	927,690	8	2,375			80	211,787
Connecticut	91	564,255			47	473,990					44	90,265
MIDDLE ATLANTIC:												
New York	604	4,672,380	33	80,339	132	3,501,969	14	2,237	1	40	424	1,087,795
New Jersey	57	1,049,150	4	1,035	48	1,047,245	1	150			4	720
Pennsylvania	332	2,872,487	20	11,649	189	2,463,822	5	585	22	2,731	96	393,700
EAST NORTH CENTRAL:												
Ohio	165	2,008,205	20	12,425	128	1,983,780					17	12,000
Indiana	147	872,881	17	98,745	74	735,700	11	1,773	6	1,610	39	35,053
Illinois	193	2,291,161	36	44,169	117	2,226,533	4	2,780	1	48	35	17,631
Michigan	408	1,538,545	4	800	57	1,209,013	20	4,785			327	323,947
Wisconsin	317	875,953	20	13,411	60	630,288	15	1,841	6	179	216	230,234
WEST NORTH CENTRAL:												
Minnesota	186	433,905	16	4,164	44	301,000	35	6,728	1	120	90	121,893
Iowa	262	528,047	37	12,727	86	367,232	60	22,521	6	2,798	73	122,769
Missouri	195	692,528	15	5,670	70	514,078	87	15,625	1	10	22	157,145
North Dakota	72	66,887	15	5,280	24	57,075	24	3,796	9	736		
South Dakota	125	60,423	4	830	15	38,350	76	13,607	20	2,961	10	4,675
Nebraska	196	201,707	29	4,895	33	164,250	82	19,367	2	1,400	50	11,795
Kansas	182	297,937	19	6,254	55	262,800	85	21,363	4	668	19	6,852

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 29.—GENERATORS—NUMBER AND KILOWATT CAPACITY, BY TYPE OF PRIME MOVER, PRIVATELY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937—Continued

DIVISION AND STATE	TOTAL		STEAM ENGINES		STEAM TURBINES		INTERNAL-COMBUSTION ENGINES				HYDROTURBINES AND WATER WHEELS	
							Diesel and semi-Diesel		Other internal-combustion engines			
	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts
SOUTH ATLANTIC:												
Delaware, Maryland, and District of Columbia [1]	79	828,175	3	4,100	38	546,225	27	6,465	----------	----------	11	271,385
Virginia	151	413,250	1	180	38	318,500	21	5,054	----------	----------	91	89,516
West Virginia	99	635,678	7	1,170	40	528,740	7	641	16	4,147	29	100,980
North Carolina	137	695,646	3	900	21	293,500	12	2,786	2	105	99	398,355
South Carolina	128	655,541	10	1,062	15	126,019	7	615	----------	----------	96	527,845
Georgia	142	466,654	9	1,150	31	131,675	7	1,054	1	34	94	332,741
Florida	161	278,333	13	2,402	44	241,660	93	19,928	----------	----------	11	14,343
EAST SOUTH CENTRAL:												
Kentucky	116	325,489	14	48,162	40	169,025	36	2,197	8	920	18	105,185
Tennessee	136	332,347	22	11,138	45	184,395	7	471	16	1,260	46	135,083
Alabama	70	602,338	7	6,880	14	169,000	21	4,595	----------	----------	28	421,863
Mississippi	91	37,070	10	2,059	21	26,335	57	8,249	3	427	----------	----------
WEST SOUTH CENTRAL:												
Arkansas	107	138,392	11	4,060	26	59,600	60	8,026	----------	----------	10	66,706
Louisiana	116	288,249	1	350	22	275,250	73	9,463	20	3,186	----------	----------
Oklahoma	150	292,417	14	4,735	48	273,121	63	11,751	20	1,610	5	1,200
Texas	399	903,488	20	2,920	103	812,230	223	50,835	26	4,438	27	33,065
MOUNTAIN:												
Montana	127	276,734	6	732	8	7,300	27	1,099	16	2,268	70	265,335
Idaho	91	230,462	2	550	----------	----------	9	998	----------	----------	80	228,914
Wyoming	90	31,524	17	2,802	23	23,870	23	1,724	11	1,166	16	1,962
Colorado	149	192,082	23	5,721	38	122,560	41	6,035	1	12	46	57,754
New Mexico and Arizona [1]	210	176,193	19	5,400	32	122,407	113	30,537	33	9,847	13	8,002
Utah	83	146,146	1	36	4	59,750	10	2,033	6	315	62	84,012
Nevada	28	10,576	1	150	1	112	15	2,820	2	225	9	7,269
PACIFIC:												
Washington	121	589,359	1	100	17	138,000	21	1,894	2	2	80	449,363
Oregon	124	344,306	4	2,800	25	161,600	13	1,985	4	225	78	177,696
California	289	2,213,037	----------	----------	47	776,375	28	34,296	2	172	212	1,402,194

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 30.—GENERATORS—NUMBER AND KILOWATT CAPACITY BY TYPE OF PRIME MOVER, MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	TOTAL		STEAM ENGINES		STEAM TURBINES		INTERNAL-COMBUSTION ENGINES				HYDROTURBINES AND WATER WHEELS	
							Diesel and semi-Diesel		Other internal-combustion engines			
	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts
UNITED STATES	2,753	2,499,347	292	90,676	562	1,400,608	1,488	350,315	134	23,383	277	634,365
GEOGRAPHIC DIVISIONS:												
New England	79	73,471	1	300	21	53,131	18	7,412	1	120	38	12,508
Middle Atlantic	136	107,630	11	3,630	47	72,425	48	25,231	15	2,186	15	4,158
East North Central	573	563,041	119	36,890	189	451,483	164	44,799	24	4,518	77	25,351
West North Central	1,004	439,801	99	37,047	144	243,089	697	139,015	47	7,418	17	13,232
South Atlantic	211	179,274	24	4,698	62	143,300	108	26,095	3	224	14	4,957
East South Central	107	55,477	13	2,877	29	40,500	61	10,040			4	2,060
West South Central	378	144,591	15	2,697	36	61,180	287	71,979	37	8,086	3	649
Mountain	164	60,201	6	917	14	22,550	88	16,628	7	831	49	19,275
Pacific	101	875,861	4	1,620	20	312,950	17	9,116			60	552,175
NEW ENGLAND:												
Maine	9	982					3	112	1	120	5	750
New Hampshire	7	1,475					4	775			3	700
Vermont and Rhode Island [1]	23	9,050			1	1,100	1	200			21	7,750
Massachusetts	33	52,212	1	300	17	45,281	9	5,225			6	1,406
Connecticut	7	9,752			3	6,750	1	1,100			3	1,902
MIDDLE ATLANTIC:												
New York	63	56,595	5	1,280	13	32,000	21	17,897	9	1,260	15	4,158
New Jersey	12	11,060			4	8,750	8	2,310				
Pennsylvania	61	39,975	6	2,350	30	31,675	19	5,024	6	926		
EAST NORTH CENTRAL:												
Ohio	153	170,895	47	13,282	67	150,450	37	6,923	2	240		
Indiana	107	165,250	20	10,919	56	144,675	29	9,469	2	187		
Illinois	107	69,516	40	10,385	24	50,411	33	7,992	10	728		
Michigan	117	115,403	3	684	30	85,635	34	13,493	3	514	47	15,077
Wisconsin	89	41,977	9	1,620	12	20,312	31	6,922	7	2,849	30	10,274
WEST NORTH CENTRAL:												
Minnesota	155	82,283	38	10,868	36	52,070	69	15,460	5	958	7	2,927
Iowa	194	73,701	23	6,151	24	29,337	130	27,287	9	791	8	10,135
Missouri	143	73,135	14	3,570	23	42,999	99	25,692	6	844	1	30
North Dakota	34	6,290	1	500	2	2,500	31	3,290				
South Dakota	79	16,023	7	3,605	1	1,000	68	10,970	3	448		
Nebraska	210	67,423	13	10,733	22	32,283	159	22,405	15	1,862	1	140
Kansas	189	120,946	3	1,620	36	82,900	141	33,911	9	2,515		

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 30.—GENERATORS—NUMBER AND KILOWATT CAPACITY BY TYPE OF PRIME MOVER, MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937—Continued

DIVISION AND STATE	TOTAL		STEAM ENGINES		STEAM TURBINES		INTERNAL-COMBUSTION ENGINES				HYDROTURBINES AND WATER WHEELS	
							Diesel and semi-Diesel		Other internal-combustion engines			
	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts	Number	Kilowatts
SOUTH ATLANTIC:												
Delaware, Maryland, and District of Columbia [1]	25	16,703	1	240	9	12,700	14	3,739	1	24		
Virginia	28	15,768			7	9,700	13	2,988			8	3,080
West Virginia	2	200							2	200		
North Carolina	49	41,281	8	1,433	19	35,350	19	3,938			3	560
South Carolina	9	3,300			2	800	5	1,375			2	1,125
Georgia	22	7,238	12	2,330	3	3,750	6	966			1	192
Florida	76	94,784	3	695	22	81,000	51	13,089				
EAST SOUTH CENTRAL:												
Kentucky	20	15,764	6	1,237	8	12,875	6	1,652				
Tennessee	23	12,860	2	450	8	9,000	9	1,350			4	2,060
Alabama	11	3,858	3	890	3	2,625	5	343				
Mississippi	53	22,995	2	300	10	16,000	41	6,695				
WEST SOUTH CENTRAL:												
Arkansas	40	16,144	3	446	11	9,300	16	4,035	10	2,363		
Louisiana	83	30,481			8	14,080	66	14,487	9	1,914		
Oklahoma	125	39,985	9	1,371	9	11,000	95	25,620	10	1,570	2	424
Texas	130	57,981	3	880	8	26,800	110	27,837	8	2,239	1	225
MOUNTAIN:												
Montana	9	405					9	405				
Idaho	19	8,188					6	1,643			13	6,545
Wyoming	14	1,622					10	1,062	3	400	1	160
Colorado	68	34,342	6	917	12	21,050	35	6,254	3	281	12	5,840
New Mexico and Arizona [1]	10	2,164			2	1,500	7	514	1	150		
Utah	41	13,338					18	6,608			23	6,730
Nevada	3	142					3	142				
PACIFIC:												
Washington	33	412,200			7	65,000					26	347,200
Oregon	20	21,616	1	200	1	6,000	9	3,066			9	12,350
California	48	442,045	3	1,420	12	241,950	8	6,050			25	192,625

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 31.—PRINCIPAL KINDS OF FUEL USED IN ELECTRIC GENERATION, PRIVATELY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	PRINCIPAL KINDS OF FUEL USED FOR ELECTRIC GENERATION [1]			
	Coal (*tons of 2,000 pounds*)		Fuel oil (*barrels of 42 gallons*)	Natural gas (*1,000 cubic feet*)
	Anthracite	Bituminous		
UNITED STATES	1,930,223	37,816,269	11,274,247	146,822,867
GEOGRAPHIC DIVISIONS:				
New England	----------	2,078,298	2,856,916	----------
Middle Atlantic	1,852,512	10,757,303	3,159,672	3,089,063
East North Central	----------	16,512,226	53,505	13,221,005
West North Central	----------	2,946,384	499,266	29,428,831
South Atlantic	20,366	3,399,615	2,210,132	3,657,812
East South Central	5,219	1,123,195	54,337	6,076,823
West South Central	44,223	241,025	368,750	75,046,860
Mountain	7,903	745,100	404,575	6,006,810
Pacific	----------	13,123	1,667,094	10,295,663
NEW ENGLAND:				
Maine	----------	12,164	120,674	----------
New Hampshire	----------	12,481	115,342	----------
Vermont and Rhode Island [2]	----------	45,478	1,769,505	----------
Massachusetts	----------	1,324,064	175,157	----------
Connecticut	----------	684,111	676,238	----------
MIDDLE ATLANTIC:				
New York	16,280	5,252,201	275,344	11,535
New Jersey	42,375	1,305,693	2,874,931	----------
Pennsylvania	1,793,857	4,199,409	9,397	3,077,528
EAST NORTH CENTRAL:				
Ohio	----------	5,077,443	184	1,916,932
Indiana	----------	2,169,695	1,170	7,863,656
Illinois	----------	5,899,085	36,534	3,440,417
Michigan	----------	2,259,593	2,851	----------
Wisconsin	----------	1,106,410	12,766	----------
WEST NORTH CENTRAL:				
Minnesota	----------	492,393	24,263	666,407
Iowa	----------	900,314	127,248	4,483,825
Missouri	----------	712,456	60,901	6,105,751
North Dakota	----------	331,911	14,392	----------
South Dakota	----------	87,135	59,294	969,137
Nebraska	----------	289,123	106,009	2,811,191
Kansas	----------	133,052	107,159	14,392,520
SOUTH ATLANTIC:				
Delaware, Maryland, and District of Columbia [2]	----------	771,355	9,965	----------
Virginia	----------	797,851	20,599	----------
West Virginia	20,366	1,480,380	932	62,136
North Carolina	----------	203,376	7,492	----------
South Carolina	----------	126,635	970	----------
Georgia	----------	20,018	257,427	3,595,676
Florida	----------	----------	1,912,747	----------
EAST SOUTH CENTRAL:				
Kentucky	----------	571,694	9,561	9,500
Tennessee	----------	316,136	14,521	4,895,716
Alabama	----------	235,072	8,871	----------
Mississippi	5,219	293	21,384	1,171,607
WEST SOUTH CENTRAL:				
Arkansas	----------	15,547	20,072	2,569,533
Louisiana	----------	----------	146,832	21,760,751
Oklahoma	44,223	225,478	25,171	8,688,992
Texas	----------	----------	176,675	42,027,584
MOUNTAIN:				
Montana	----------	3,635	5,268	688,450
Idaho	----------	10	3,327	----------
Wyoming	----------	84,424	7,032	420,231
Colorado	7,903	465,157	25,714	4,084
New Mexico and Arizona [2]	----------	27,323	350,059	4,892,307
Utah	----------	164,551	4,849	1,738
Nevada	----------	----------	8,326	----------
PACIFIC:				
Washington	----------	13,123	546,895	----------
Oregon	----------	----------	577,141	----------
California	----------	----------	543,058	10,295,663

[1] In addition, 84,529 tons of coke and 997 barrels of gasoline were reported. Manufactured gas, hogged fuel, and sawmill and other waste were also reported.
[2] Combined to avoid disclosing the operations of individual establishments.

TABLE 32.—PRINCIPAL KINDS OF FUEL USED IN ELECTRIC GENERATION, MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	PRINCIPAL KINDS OF FUEL USED FOR ELECTRIC GENERATION[1]			
	Coal (*tons of 2,000 pounds*)		Fuel oil (*barrels of 42 gallons*)	Natural gas (*1,000 cubic feet*)
	Anthracite	Bituminous		
United States	93,272	2,127,906	2,588,367	12,630,384
GEOGRAPHIC DIVISIONS:				
New England		41,443	200,075	
Middle Atlantic	15,649	133,434	101,551	35,703
East North Central		1,139,235	212,918	3,106
West North Central	18,748	539,090	704,315	2,720,558
South Atlantic		136,130	669,720	7,500
East South Central	58,875	93,757	50,449	212,120
West South Central		13,065	372,146	3,237,289
Mountain		26,874	48,977	499,438
Pacific		4,878	228,216	5,914,670
NEW ENGLAND:				
Maine			471	
New Hampshire			2,888	
Vermont and Rhode Island [2]			370	
Massachusetts		41,443	154,012	
Connecticut			42,334	
MIDDLE ATLANTIC:				
New York		55,955	65,311	26,940
New Jersey		12,497	11,665	
Pennsylvania	15,649	64,982	24,575	8,763
EAST NORTH CENTRAL:				
Ohio		480,975	30,887	3,106
Indiana		321,602	47,550	
Illinois		152,044	44,288	
Michigan		145,448	46,128	
Wisconsin		39,166	44,065	
WEST NORTH CENTRAL:				
Minnesota	3,390	126,852	88,691	633,718
Iowa	2,000	106,912	121,645	
Missouri	321	80,490	158,811	
North Dakota		10,476	12,376	
South Dakota		19,772	56,835	20,000
Nebraska	13,037	48,172	107,899	73,219
Kansas		146,416	158,058	1,993,621
SOUTH ATLANTIC:				
Delaware, Maryland, and District of Columbia [2]		23,416	16,864	
Virginia		34,210	15,819	
West Virginia				7,500
North Carolina		64,736	23,975	
South Carolina			4,500	
Georgia		13,768	5,085	
Florida			603,477	
EAST SOUTH CENTRAL:				
Kentucky	58,875	28,704	5,956	
Tennessee		29,445	8,874	
Alabama		16,600	1,856	
Mississippi		19,008	33,763	212,120
WEST SOUTH CENTRAL:				
Arkansas		12,715	31,559	153,414
Louisiana			79,758	909,365
Oklahoma		350	130,720	911,969
Texas			130,109	1,262,541
MOUNTAIN:				
Montana			2,327	
Idaho			1,509	
Wyoming			4,858	16,143
Colorado		22,174	23,053	468,534
New Mexico and Arizona [2]		4,700	2,448	14,761
Utah			13,510	
Nevada			1,272	
PACIFIC:				
Washington		4,878	97,332	
Oregon			16,722	
California			114,162	5,914,670

[1] In addition, 3,600 tons of coke, 1,427 barrels of gasoline, and 158,814,000 cubic feet of manufactured gas were reported.
[2] Combined to avoid disclosing the operations of individual establishments.

TABLE 33.—NUMBER OF GENERATING STATIONS, BY TYPE, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	NUMBER OF GENERATING STATIONS														
	Total					Privately owned electric utilities					Municipally owned electric utilities				
	Total	Steam	Internal combustion	Water	Composite [1]	Total	Steam	Internal combustion	Water	Composite [1]	Total	Steam	Internal combustion	Water	Composite [1]
UNITED STATES	3,879	1,070	1,271	1,346	192	2,916	813	748	1,226	129	963	257	523	120	63
GEOGRAPHIC DIVISIONS:															
New England	310	55	14	221	20	277	50	8	202	17	33	5	6	19	3
Middle Atlantic	376	134	23	204	15	336	116	10	197	13	40	18	13	7	2
East North Central	629	253	74	269	33	426	154	19	237	16	203	99	55	32	17
West North Central	856	220	477	113	46	503	147	222	108	26	353	73	255	5	20
South Atlantic	393	117	114	148	14	329	99	78	143	9	64	18	36	5	5
East South Central	208	82	91	32	3	170	68	68	31	3	38	14	23	1	-------
West South Central	451	99	318	24	10	334	84	222	24	4	117	15	96	-------	6
Mountain	378	65	129	145	39	305	59	95	120	31	73	6	34	25	8
Pacific	278	45	31	190	12	236	36	26	164	10	42	9	5	26	2
NEW ENGLAND:															
Maine	78	6	6	62	4	72	6	4	58	4	6	-------	2	4	-------
New Hampshire	60	4	2	50	4	57	4	1	48	4	3	-------	1	2	-------
Vermont and Rhode Island [2]	76	7	2	61	6	62	6	2	49	5	14	1	-------	12	1
Massachusetts	63	28	3	28	4	56	24	1	28	3	7	4	2	-------	1
Connecticut	33	10	1	20	2	30	10	-------	19	1	3	-------	1	1	1
MIDDLE ATLANTIC:															
New York	229	46	6	167	10	211	41	2	160	8	18	5	4	7	2
New Jersey	22	15	3	2	2	18	14	-------	2	2	4	1	3	-------	-------
Pennsylvania	125	73	14	35	3	107	61	8	35	3	18	12	6	-------	-------
EAST NORTH CENTRAL:															
Ohio	106	85	12	9	-------	54	46	-------	8	-------	52	39	12	1	-------
Indiana	88	55	16	16	1	55	33	5	16	1	33	22	11	-------	-------
Illinois	87	57	14	8	8	48	34	1	8	5	39	23	13	-------	3
Michigan	172	27	15	119	11	126	18	6	101	1	46	9	9	18	10
Wisconsin	176	29	17	117	13	143	23	7	104	9	33	6	10	13	4
WEST NORTH CENTRAL:															
Minnesota	135	44	42	38	11	79	23	18	35	3	56	21	24	3	8
Iowa	176	54	84	30	8	106	39	35	28	4	70	15	49	2	4
Missouri	119	34	73	7	5	75	24	43	7	1	44	10	30	-------	4
North Dakota	47	15	31	-------	1	32	14	17	-------	1	15	1	14	-------	-------
South Dakota	80	8	64	3	5	52	6	39	3	4	28	2	25	-------	1
Nebraska	163	30	93	27	13	89	19	33	27	10	74	11	60	-------	3
Kansas	136	35	90	8	3	70	22	37	8	3	66	13	53	-------	-------

[1] Stations having more than 1 type of prime mover.

[2] Combined to avoid disclosing the operations of individual establishments.

TABLE 33.—NUMBER OF GENERATING STATIONS, BY TYPE, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937—Continued

DIVISION AND STATE	NUMBER OF GENERATING STATIONS														
	Total					Privately owned electric utilities					Municipally owned electric utilities				
	Total	Steam	Internal-combustion	Water	Composite [1]	Total	Steam	Internal-combustion	Water	Composite [1]	Total	Steam	Internal-combustion	Water	Composite [1]
SOUTH ATLANTIC:															
Delaware, Maryland, and District of Columbia [2]	35	15	16	3	1	27	12	12	3	-------	8	3	4	-------	1
Virginia	62	12	16	32	2	53	11	11	30	1	9	1	5	2	1
West Virginia	36	14	9	11	2	35	14	8	11	2	1	-------	1	-------	-------
North Carolina	78	16	12	46	4	63	10	5	45	3	15	6	7	1	1
South Carolina	37	11	4	22	-------	35	11	3	21	-------	2	-------	1	1	-------
Georgia	60	22	6	30	2	53	19	4	29	1	7	3	2	1	1
Florida	85	27	51	4	3	63	22	35	4	2	22	5	16	-------	1
EAST SOUTH CENTRAL:															
Kentucky	47	24	18	5	-------	41	19	17	5	-------	6	5	1	-------	-------
Tennessee	60	27	13	18	2	53	24	10	17	2	7	3	3	1	-------
Alabama	34	12	13	9	-------	30	10	11	9	-------	4	2	2	-------	-------
Mississippi	67	19	47	-------	1	46	15	30	-------	1	21	4	17	-------	-------
WEST SOUTH CENTRAL:															
Arkansas	63	15	40	5	3	50	11	33	5	1	13	4	7	-------	2
Louisiana	76	9	67	-------	-------	52	7	45	-------	-------	24	2	22	-------	-------
Oklahoma	100	25	69	2	4	58	20	35	2	1	42	5	34	-------	3
Texas	212	50	142	17	3	174	46	109	17	2	38	4	33	-------	1
MOUNTAIN:															
Montana	46	6	17	18	5	42	6	13	18	5	4	-------	4	-------	-------
Idaho	49	2	6	38	3	39	2	3	31	3	10	-------	3	7	-------
Wyoming	42	13	17	8	4	35	13	11	7	4	7	-------	6	1	-------
Colorado	87	25	29	21	12	61	20	16	18	7	26	5	13	3	5
New Mexico and Arizona [2]	75	17	45	6	7	72	16	43	6	7	3	1	2	-------	-------
Utah	65	2	9	47	7	43	2	4	33	4	22	-------	5	14	3
Nevada	14	-------	6	7	1	13	-------	5	7	1	1	-------	1	-------	-------
PACIFIC:															
Washington	68	12	10	42	4	55	9	10	33	3	13	3	-------	9	1
Oregon	69	12	10	42	5	59	11	7	37	4	10	1	3	5	1
California	141	21	11	106	3	122	16	9	94	3	19	5	2	12	-------

[1] Stations having more than 1 type of prime mover.

[2] Combined to avoid disclosing the operations of individual establishments.

TABLE 34.—CURRENT GENERATED, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	GENERATED OUTPUT (*kilowatt-hours*)			PERCENT OF TOTAL	
	Total	Privately owned electric utilities	Municipally owned electric utilities	Privately owned electric utilities	Municipally owned electric utilities
UNITED STATES	115,173,469,769	109,919,648,965	5,253,820,804	95.4	4.6
GEOGRAPHIC DIVISIONS:					
New England	7,337,100,559	7,202,416,066	134,684,493	98.2	1.8
Middle Atlantic	29,354,300,369	29,141,712,858	212,587,511	99.3	.7
East North Central	28,138,472,141	26,946,074,035	1,192,398,106	95.8	4.2
West North Central	7,544,568,848	6,735,777,155	808,791,693	89.3	10.7
South Atlantic	13,654,846,686	13,284,285,149	370,561,537	97.3	2.7
East South Central	4,594,337,317	4,491,848,648	102,488,669	97.8	2.2
West South Central	6,390,671,507	6,096,380,250	294,291,257	95.4	4.6
Mountain	4,001,229,182	3,879,005,483	122,223,699	96.9	3.1
Pacific	14,157,943,160	12,142,149,321	2,015,793,839	85.8	14.2
NEW ENGLAND:					
Maine	846,864,562	844,675,822	2,188,740	99.7	.3
New Hampshire	760,062,968	756,818,768	3,244,200	99.6	.4
Vermont and Rhode Island [1]	1,264,366,503	1,244,843,546	19,522,957	98.5	1.5
Massachusetts	2,827,539,613	2,735,439,187	92,100,426	96.7	3.3
Connecticut	1,638,266,913	1,620,638,743	17,628,170	98.9	1.1
MIDDLE ATLANTIC:					
New York	15,237,827,309	15,108,409,869	129,417,440	99.2	.8
New Jersey	3,680,758,732	3,664,190,582	16,568,150	99.5	.5
Pennsylvania	10,435,714,328	10,369,112,407	66,601,921	99.4	.6
EAST NORTH CENTRAL:					
Ohio	8,070,468,170	7,644,496,786	425,971,384	94.7	5.3
Indiana	3,735,986,519	3,448,724,051	287,262,468	92.3	7.7
Illinois	7,862,655,162	7,739,941,900	122,713,262	98.4	1.6
Michigan	5,773,614,150	5,516,072,594	257,541,556	95.5	4.5
Wisconsin	2,695,748,140	2,596,838,704	98,909,436	96.3	3.7
WEST NORTH CENTRAL:					
Minnesota	1,480,651,017	1,344,438,718	136,212,299	90.8	9.2
Iowa	1,878,529,327	1,760,583,372	117,945,955	93.7	6.3
Missouri	1,870,732,341	1,749,469,089	121,263,252	93.5	6.5
North Dakota	200,840,952	191,406,064	9,434,888	95.3	4.7
South Dakota	144,556,303	110,125,524	34,430,779	76.2	23.8
Nebraska	703,164,833	600,573,465	102,591,368	85.4	14.6
Kansas	1,266,094,075	979,180,923	286,913,152	77.3	22.7
SOUTH ATLANTIC:					
Delaware, Maryland and District of Columbia [1]	2,965,672,767	2,934,126,609	31,546,158	98.9	1.1
Virginia	1,609,785,137	1,563,079,397	46,705,740	97.1	2.9
West Virginia	2,829,419,710	2,829,104,710	315,000	100.0	(2)
North Carolina	1,875,440,178	1,805,017,016	70,423,162	96.2	3.8
South Carolina	1,723,076,410	1,715,701,010	7,375,400	99.6	.4
Georgia	1,736,245,181	1,723,504,372	12,740,809	99.3	.7
Florida	915,207,303	713,752,035	201,455,268	78.0	22.0
EAST SOUTH CENTRAL:					
Kentucky	891,911,367	858,188,861	33,722,506	96.2	3.8
Tennessee	1,265,926,949	1,240,713,088	25,213,861	98.0	2.0
Alabama	2,358,841,976	2,347,207,352	11,634,624	99.5	.5
Mississippi	77,657,025	45,739,347	31,917,678	58.9	41.1
WEST SOUTH CENTRAL:					
Arkansas	262,490,696	237,663,446	24,827,250	90.5	9.5
Louisiana	1,688,130,981	1,622,399,405	65,731,576	96.1	3.9
Oklahoma	1,104,780,421	1,025,025,885	79,754,536	92.8	7.2
Texas	3,335,269,409	3,211,291,514	123,977,895	96.3	3.7
MOUNTAIN:					
Montana	1,317,721,752	1,317,194,279	527,473	100.0	(2)
Idaho	875,534,432	854,298,044	21,236,388	97.6	2.4
Wyoming	79,422,969	75,745,099	3,677,870	95.4	4.6
Colorado	676,053,210	614,634,913	61,418,297	90.9	9.1
New Mexico and Arizona [1]	493,011,212	489,007,793	4,003,419	99.2	.8
Utah	514,560,792	483,528,326	31,032,466	94.0	6.0
Nevada	44,924,815	44,597,029	327,786	99.3	.7
PACIFIC:					
Washington	3,665,062,079	2,854,975,261	810,086,818	77.9	22.1
Oregon	1,374,200,235	1,316,783,493	57,416,742	95.8	4.2
California	9,118,680,846	7,970,390,567	1,148,290,279	87.4	12.6

[1] Combined to avoid disclosing the operations of individual establishments.
[2] Less than 1/10 of 1 percent.

TABLE 35.—CURRENT GENERATED, BY TYPE OF PRIME MOVER, PRIVATELY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	Total (*kilowatt-hours*)	KILOWATT-HOURS GENERATED BY—		
		Steam	Water	Internal combustion
UNITED STATES	109, 919, 648, 965	70, 716, 166, 932	38, 807, 074, 099	396, 407, 934
GEOGRAPHIC DIVISIONS:				
New England	7, 202, 416, 066	4, 062, 308, 318	3, 132, 550, 993	7, 556, 755
Middle Atlantic	29, 141, 712, 858	20, 974, 155, 726	8. 167, 026, 886	530, 246
East North Central	26, 946, 074, 035	24, 570, 201, 175	2, 364, 472, 545	11, 400, 315
West North Central	6, 735, 777, 155	4, 719, 328, 835	1, 843, 387, 253	173, 061, 064
South Atlantic	13, 284, 285. 149	6, 403, 931, 476	6. 845, 694, 462	34, 659, 211
East South Central	4, 491, 848, 648	1, 476, 395, 788	2, 999, 937, 830	15, 515, 030
West South Central	6, 096, 380. 250	5, 802. 973, 357	246, 441, 217	46, 965, 676
Mountain	3, 879, 005, 483	1, 094, 291, 684	2, 690, 957, 593	93, 756, 206
Pacific	12, 142, 149, 321	1, 612, 580, 573	10, 516, 605, 317	12, 963, 431
NEW ENGLAND:				
Maine	844, 675, 822	47, 068, 163	796, 050, 514	1, 557, 145
New Hampshire	756, 818, 768	55, 181, 234	701, 572, 863	64, 671
Vermont and Rhode Island [1]	1, 244, 843, 546	638, 592, 846	605. 972, 090	278, 610
Massachusetts	2, 735, 439, 187	2, 065, 991, 305	663, 791, 553	5, 656, 329
Connecticut	1, 620, 638, 743	1, 255, 474, 770	365, 163, 973	----------
MIDDLE ATLANTIC:				
New York	15, 108, 409, 869	8, 956, 766, 883	6, 151, 222, 632	420, 354
New Jersey	3, 664, 190, 582	3, 662, 048, 192	2, 142, 390	----------
Pennsylvania	10, 369, 112, 407	8, 355, 340, 651	2, 013, 661, 864	109, 892
EAST NORTH CENTRAL:				
Ohio	7, 644, 496, 786	7, 607, 193, 205	37, 303, 581	----------
Indiana	3, 448, 724, 051	3, 299, 886, 028	148, 475, 956	362, 067
Illinois	7, 739, 941, 900	7, 650, 274, 408	82, 279, 942	7, 387, 550
Michigan	5, 516, 072, 594	4, 290, 400, 557	1, 224, 997, 663	674, 374
Wisconsin	2, 596, 838, 704	1, 722, 446, 977	871, 415, 403	2, 976, 324
WEST NORTH CENTRAL:				
Minnesota	1, 344, 438, 718	842, 629, 817	492, 814, 108	8, 994, 793
Iowa	1, 760, 583, 372	1, 005, 996, 995	709, 056, 383	45, 529, 994
Missouri	1, 749, 469, 089	1, 157, 401, 337	579, 965, 589	12, 102, 163
North Dakota	191, 406, 064	186, 163, 456	----------	5, 242, 608
South Dakota	110, 125, 524	77, 663, 015	9, 031, 300	23, 431, 209
Nebraska	600, 573, 465	531, 364, 182	30, 746, 950	38, 462, 333
Kansas	979, 180, 923	918, 110, 033	21, 772, 926	39, 297, 964
SOUTH ATLANTIC:				
Delaware, Maryland, and District of Columbia [1]	2, 934, 126, 609	1, 305, 131, 149	1, 625, 602, 787	3, 392, 673
Virginia	1, 563, 079, 397	1, 174, 912, 221	380, 171, 861	7, 995, 315
West Virginia	2, 829, 104, 710	2, 463, 350, 081	364, 654, 729	1, 099, 900
North Carolina	1, 805, 017, 016	339, 822, 984	1, 462, 249, 691	2, 944, 341
South Carolina	1, 715, 701, 010	130, 983, 371	1, 584, 506, 028	211, 611
Georgia	1, 723, 504, 372	343, 522, 950	1, 379, 898, 616	82, 806
Florida	713, 752, 035	646, 208, 720	48, 610, 750	18, 932, 565
EAST SOUTH CENTRAL:				
Kentucky	858, 188, 861	547, 248, 364	308, 298, 279	2, 642, 218
Tennessee	1, 240, 713, 088	549, 069, 228	690, 756, 838	887, 022
Alabama	2, 347, 207, 352	344, 199, 052	2, 000, 882, 713	2, 125, 587
Mississippi	45, 739, 347	35, 879, 144	----------	9, 860, 203
WEST SOUTH CENTRAL:				
Arkansas	237, 663, 446	93, 027, 725	139, 462, 048	5, 173, 673
Louisiana	1, 622, 399, 405	1, 611, 133, 740	----------	11, 265, 665
Oklahoma	1, 025, 025, 885	1, 015, 527, 473	1, 046, 745	8, 451, 667
Texas	3, 211, 291, 514	3, 083, 284, 419	105, 932, 424	22. 074, 671
MOUNTAIN:				
Montana	1, 317, 194, 279	17, 813, 965	1, 294. 790, 051	4, 590, 263
Idaho	854, 298, 044	8, 243	853, 374, 090	915, 711
Wyoming	75, 745, 099	70, 982, 598	3, 234, 916	1, 527, 585
Colorado	614, 634, 913	410, 023, 740	194, 441, 154	10, 170, 019
New Mexico and Arizona [1]	489, 007, 793	383, 660, 738	33, 987, 113	71, 359, 942
Utah	483, 528, 326	211, 802, 400	270, 093, 143	1, 632, 783
Nevada	44, 597, 029	----------	41, 037, 126	3, 559, 903
PACIFIC:				
Washington	2, 854, 975, 261	370, 783, 057	2, 482, 655, 141	1, 537, 063
Oregon	1, 316, 783, 493	359, 660, 273	955, 152, 736	1, 970, 484
California	7, 970, 390, 567	882, 137, 243	7, 078, 797, 440	9, 455, 884

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 36.—CURRENT GENERATED, BY TYPE OF PRIME MOVER, MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	Total (*kilowatt-hours*)	KILOWATT-HOURS GENERATED BY—		
		Steam	Water	Internal combustion
UNITED STATES	5, 253, 820, 804	2, 675, 394, 395	1, 900, 094, 562	678, 331, 847
GEOGRAPHIC DIVISIONS:				
New England	134, 684, 493	82, 638, 545	39, 190, 977	12, 854, 971
Middle Atlantic	212, 587, 511	133, 335, 289	37, 064, 667	42, 187, 555
East North Central	1, 192, 398, 106	1, 011, 035, 351	91, 472, 613	89, 890, 142
West North Central	808, 791, 693	544, 671, 121	21, 956, 712	242, 163, 860
South Atlantic	370, 561, 537	301, 570, 443	25, 423, 023	43, 568, 071
East South Central	102, 488, 669	80, 739, 155	3, 179, 776	18, 569, 738
West South Central	294, 291, 257	123, 989, 978	2, 348, 288	167, 952, 991
Mountain	122, 223, 699	35, 699, 511	67, 306, 059	19, 218, 129
Pacific	2, 015, 793, 839	361, 715, 002	1, 612, 152, 447	41, 926, 390
NEW ENGLAND:				
Maine	2, 188, 740	----------	2, 058, 400	130, 340
New Hampshire	3, 244, 200	----------	2, 025, 000	1, 219, 200
Vermont and Rhode Island [1]	19, 522, 957	39, 300	19, 474, 257	9, 400
Massachusetts	92, 100, 426	74, 332, 575	6, 271, 820	11, 496, 031
Connecticut	17, 628, 170	8, 266, 670	9, 361, 500	----------
MIDDLE ATLANTIC:				
New York	129, 417, 440	61, 626, 888	37, 064, 667	30, 725, 885
New Jersey	16, 568, 150	11, 989, 994	----------	4, 578, 156
Pennsylvania	66, 601, 921	59, 718, 407	----------	6, 883, 514
EAST NORTH CENTRAL:				
Ohio	425, 971, 384	413, 539, 599	----------	12, 431, 785
Indiana	287, 262, 468	264, 591, 925	----------	22, 670, 543
Illinois	122, 713, 262	105, 384, 237	----------	17, 329, 025
Michigan	257, 541, 556	193, 838, 864	45, 025, 970	18, 676, 722
Wisconsin	98, 909, 436	33, 680, 726	46, 446, 643	18, 782, 067
WEST NORTH CENTRAL:				
Minnesota	136, 212, 299	107, 482, 609	5, 930, 757	22, 798, 933
Iowa	117, 945, 955	56, 798, 802	15, 635, 955	45, 511, 198
Missouri	121, 263, 252	70, 857, 288	30, 000	50, 375, 964
North Dakota	9, 434, 888	5, 170, 958	----------	4, 263, 930
South Dakota	34, 430, 779	11, 198, 730	----------	23, 232, 049
Nebraska	102, 591, 368	68, 283, 047	360, 000	33, 948, 321
Kansas	286, 913, 152	224, 879, 687	----------	62, 033, 465
SOUTH ATLANTIC:				
Delaware, Maryland, and District of Columbia [1]	31, 546, 158	24, 577, 500	----------	6, 968, 658
Virginia	46, 705, 740	21, 935, 692	18, 823, 750	5, 946, 298
West Virginia	315, 000	----------	----------	315, 000
North Carolina	70, 423, 162	60, 899, 194	1, 217, 873	8, 306, 095
South Carolina	7, 375, 400	----------	4, 721, 000	2, 654, 400
Georgia	12, 740, 809	10, 943, 127	660, 400	1, 137, 282
Florida	201, 455, 268	183, 214, 930	----------	18, 240, 338
EAST SOUTH CENTRAL:				
Kentucky	33, 722, 506	31, 229, 021	----------	2, 493, 485
Tennessee	25, 213, 861	17, 990, 095	3, 179, 776	4, 043, 990
Alabama	11, 634, 624	10, 915, 349	----------	719, 275
Mississippi	31, 917, 678	20, 604, 690	----------	11, 312, 988
WEST SOUTH CENTRAL:				
Arkansas	24, 827, 250	12, 084, 990	----------	12, 742, 260
Louisiana	65, 731, 576	28, 432, 800	----------	37, 298, 776
Oklahoma	79, 754, 536	27, 464, 683	630, 088	51, 659, 765
Texas	123, 977, 895	56, 007, 505	1, 718, 200	66, 252, 190
MOUNTAIN:				
Montana	527, 473	----------	----------	527, 473
Idaho	21, 236, 388	----------	20, 650, 688	585, 700
Wyoming	3, 677, 870	----------	1, 268, 160	2, 409, 710
Colorado	61, 418, 297	32, 859, 832	19, 792, 726	8, 765, 739
New Mexico and Arizona [1]	4, 003, 419	2, 839, 679	----------	1, 163, 740
Utah	31, 032, 466	----------	25, 594, 485	5, 437, 981
Nevada	327, 786	----------	----------	327, 786
PACIFIC:				
Washington	810, 086, 818	24, 357, 234	785, 729, 584	----------
Oregon	57, 416, 742	366, 000	50, 435, 352	6, 615, 390
California	1, 148, 290, 279	336, 991, 768	775, 987, 511	35, 311, 000

[1] Combined to avoid disclosing the operations of individual establishments.

TABLE 37.—TRANSMISSION SYSTEMS AND PRIMARY DISTRIBUTION LINES—MILES OF CIRCUIT FOR SPECIFIED VOLTAGES,[1] PRIVATELY OWNED ELECTRIC UTILITIES, BY GEOGRAPHIC DIVISIONS: 1937

	Establishments reporting transmission systems and primary distribution lines	MILES OF CIRCUIT BY INDIVIDUAL VOLTAGE					
		Total	220,000	132,000	110,000	66,000	60,000
UNITED STATES	1,100	415,897	2,023	9,361	17,861	30,994	5,288
GEOGRAPHIC DIVISIONS:							
New England	147	30,147	253	----------	879	1,901	--------
Middle Atlantic	118	63,297	370	1,031	3,933	3,287	639
East North Central	179	86,324	4	4,880	581	5,929	--------
West North Central	179	65,484	1	823	485	2,477	520
South Atlantic	114	48,522	129	1,094	4,186	3,936	56
East South Central	56	17,429	----------	84	2,932	1,078	2
West South Central	76	41,183	----------	639	1,269	7,590	2,598
Mountain	144	25,543	----------	752	464	574	715
Pacific	87	37,968	1,266	58	3,132	4,222	758

	44,000	33,000	22,000	13,200	11,000	6,600	4,000	2,300
UNITED STATES	15,210	45,881	21,198	35,179	29,301	48,532	39,793	115,276
GEOGRAPHIC DIVISIONS:								
New England	403	1,999	1,102	944	1,012	1,577	3,610	16,467
Middle Atlantic	1,281	4,674	5,338	5,510	3,055	1,928	10,564	21,687
East North Central	1,086	12,126	2,765	4,131	2,804	9,507	9,384	33,127
West North Central	236	14,486	3,632	10,298	3,658	15,310	1,967	11,591
South Atlantic	4,505	2,420	2,322	4,127	1,923	8,587	2,258	12,979
East South Central	3,765	1,749	639	2,638	353	1,055	84	3,050
West South Central	83	5,621	2,927	5,321	1,754	1,691	5,551	6,139
Mountain	3,851	1,597	1,256	1,282	4,084	3,569	1,475	5,924
Pacific	--------	1,209	1,217	928	10,658	5,308	4,900	4,312

[1] Other voltages not specifically called for on the schedule are not shown in this table. A large part of "All other" individual voltages shown for table 11 were reported by privately owned electric utilities.

TABLE 38.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY CLASS OF SERVICE, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES: 1937

CLASS OF SERVICE	Total	Privately owned electric utilities	Municipally owned electric utilities
	NUMBER OF CUSTOMERS		
Sales to ultimate consumers, total	27,089,682	24,432,724	2,656,958
Residential or domestic sales:			
Farm	588,292	556,244	32,048
Nonfarm	21,540,429	19,365,677	2,174,752
Rural—distinct rural rates only:			
Farm	505,069	478,011	27,058
Nonfarm	168,086	155,586	12,500
Commercial and industrial sales:			
Farm	60,529	59,127	1,402
Nonfarm	4,130,812	3,731,207	399,605
Public street and highway lighting	23,033	20,736	2,297
Other sales to public authorities	69,262	63,700	5,562
Sales to railroads and railways:			
Street and interurban railways	469	324	71
Electrified steam-railroad divisions		74	
Interdepartmental	1,410	205	1,205
Other sales to ultimate consumers	2,291	1,833	458

TABLE 38.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY CLASS OF SERVICE, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES: 1937—Continued

CLASS OF SERVICE	Total	Privately owned electric utilities	Municipally owned electric utilities
	CURRENT SOLD (*kilowatt-hours*)		
Sales to ultimate consumers, total	99,198,412,660	93,524,013,857	5,674,398,803
Residential or domestic sales:			
Farm	628,036,382	603,285,669	24,750,713
Nonfarm	16,769,276,170	14,921,015,856	1,848,260,314
Rural—distinct rural rates only:			
Farm	959,317,994	938,650,264	20,667,730
Nonfarm	302,556,863	287,311,102	15,245,761
Commercial and industrial sales:			
Farm	936,574,701	923,615,680	12,959,021
Nonfarm	68,724,014,300	65,609,765,476	3,114,248,824
Public street and highway lighting	1,853,000,318	1,582,911,433	270,088,885
Other sales to public authorities	2,370,685,870	2,202,021,370	168,664,500
Sales to railroads and railways:			
Street and interurban railways	6,185,717,816	4,748,354,371	44,847,948
Electrified steam-railroad divisions		1,392,515,497	
Interdepartmental	336,381,497	194,766,812	141,614,685
Other sales to ultimate consumers	132,850,749	119,800,327	13,050,422
	CURRENT SOLD PER CUSTOMER (*kilowatt-hours*)		
Sales to ultimate consumers, total	3,662	3,828	2,136
Residential or domestic sales:			
Farm	1,068	1,085	772
Nonfarm	779	770	850
Rural—distinct rural rates only:			
Farm	1,899	1,964	764
Nonfarm	1,800	1,847	1,220
Commercial and industrial sales:			
Farm	15,473	15,621	9,243
Nonfarm	16,637	17,584	7,793
Public street and highway lighting	80,450	76,336	117,583
Other sales to public authorities	34,228	34,569	30,324
Sales to railroads and railways:			
Street and interurban railways	13,189,164	14,655,415	631,661
Electrified steam-railroad divisions		18,817,777	
Interdepartmental	238,568	950,082	117,523
Other sales to ultimate consumers	57,988	65,358	28,494
	REVENUE FROM ELECTRIC SERVICE		
Sales to ultimate consumers, total	$2,156,477,948	$2,006,933,408	$149,544,540
Residential or domestic sales:			
Farm	23,825,932	22,736,263	1,089,669
Nonfarm	724,858,183	654,786,938	70,071,245
Rural—distinct rural rates only:			
Farm	30,299,295	29,274,048	1,025,247
Nonfarm	10,375,318	9,697,971	677,347
Commercial and industrial sales:			
Farm	14,365,684	14,096,245	269,439
Nonfarm	1,184,379,772	1,120,173,017	64,206,755
Public street and highway lighting	72,510,667	65,536,665	6,974,002
Other sales to public authorities	36,990,948	34,259,761	2,731,187
Sales to railroads and railways:			
Street and interurban railways	53,576,196	40,914,668	513,214
Electrified steam-railroad divisions		12,148,314	
Interdepartmental	3,955,748	2,126,726	1,829,022
Other sales to ultimate consumers	1,340,205	1,182,792	157,413

TABLE 38.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY CLASS OF SERVICE, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES: 1937—Continued

CLASS OF SERVICE	Total	Privately owned electric utilities	Municipally owned electric utilities
	REVENUE PER CUSTOMER		
Sales to ultimate consumers, total	$80	$82	$56
Residential or domestic sales:			
Farm	41	41	34
Nonfarm	34	34	32
Rural—distinct rural rates only:			
Farm	60	61	38
Nonfarm	62	62	54
Commercial and industrial sales:			
Farm	237	238	192
Nonfarm	287	300	161
Public street and highway lighting	3,148	3,161	3,036
Other sales to public authorities	534	538	491
Sales to railroads and railways:			
Street and interurban railways	114,235	126,280	7,228
Electrified steam-railroad divisions		164,166	
Interdepartmental	2,805	10,374	1,518
Other sales to ultimate consumers	585	645	344
	REVENUE PER KILOWATT-HOUR (*cents*)		
Sales to ultimate consumers, total	2.2	2.1	2.6
Residential or domestic sales:			
Farm	3.8	3.8	4.4
Nonfarm	4.3	4.4	3.8
Rural—distinct rural rates only:			
Farm	3.2	3.1	5.0
Nonfarm	3.4	3.4	4.4
Commercial and industrial sales:			
Farm	1.5	1.5	2.1
Nonfarm	1.7	1.7	2.1
Public street and highway lighting	3.9	4.1	2.6
Other sales to public authorities	1.6	1.6	1.6
Sales to railroads and railways:			
Street and interurban railways	.9	.9	1.1
Electrified steam-railroad divisions		.9	
Interdepartmental	1.2	1.1	1.3
Other sales to ultimate consumers	1.0	1.0	1.2

TABLE 33A.—SALES FOR RESALE—NUMBER OF CUSTOMERS, CURRENT SOLD AND REVENUE FROM ELECTRIC SERVICE BY CLASS OF SERVICE, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES: 1937

CLASS OF SERVICE	Total	Privately owned electric utilities	Municipally owned electric utilities
	NUMBER OF CUSTOMERS		
Sales for resale, total	2,851	2,541	310
Sales to other electric utilities:			
Municipal distribution systems	1,054	941	113
Mutual or cooperative undertakings	158	76	82
Other electric companies	1,601	1,513	88
Other sales for resale	38	11	27
	CURRENT SOLD (*kilowatt hours*)		
Sales for resale, total	27,563,520,916	26,888,055,270	675,465,646
Sales to other electric utilities:			
Municipal distribution systems	1,273,156,563	1,252,231,837	20,924,726
Mutual or cooperative undertakings	40,794,929	6,031,884	34,763,045
Other electric companies	26,193,853,311	25,592,878,511	600,974,800
Other sales for resale	55,716,113	36,913,038	18,803,075
	REVENUE FROM ELECTRIC SERVICE		
Sales for resale, total	$171,648,666	$167,863,018	$3,785,648
Sales to other electric utilities:			
Municipal distribution systems	16,594,096	16,238,130	355,966
Mutual or cooperative undertakings	277,519	102,355	175,164
Other electric companies	154,384,011	151,316,377	3,067,634
Other sales for resale	393,040	206,156	186,884

TABLE 39.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY MAJOR CLASSES OF SERVICE, PRIVATELY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	TOTAL SALES TO ULTIMATE CONSUMERS [1]						STREET AND HIGHWAY LIGHTING					
	Number of customers	Current sold		Revenue from electric service			Number of customers	Current sold		Revenue from electric service		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
UNITED STATES	24,432,724	93,524,013,857	3,828	$2,006,933,408	82	2.1	20,736	1,582,911,433	76,336	$65,536,665	3,161	4.1
GEOGRAPHIC DIVISIONS:												
New England	2,227,358	5,795,905,638	2,602	164,956,087	74	2.8	1,528	166,370,166	108,881	8,684,073	5,683	5.2
Middle Atlantic	7,205,646	27,182,160,221	3,772	602,488,834	84	2.2	4,009	521,809,533	130,160	23,559,171	5,877	4.5
East North Central	5,849,376	22,260,800,382	3,806	470,715,740	80	2.1	4,538	298,199,901	65,712	11,237,967	2,476	3.8
West North Central	2,107,674	6,066,734,739	2,878	155,376,485	74	2.6	3,533	149,573,903	42,336	5,561,465	1,574	3.7
South Atlantic	1,971,825	10,178,567,123	5,162	191,160,756	97	1.9	1,735	123,488,206	71,175	5,664,958	3,265	4.6
East South Central	878,462	3,959,140,268	4,507	75,156,057	86	1.9	1,163	64,452,647	55,419	2,433,210	2,092	3.8
West South Central	1,399,660	5,020,605,877	3,587	116,788,812	83	2.3	1,492	73,394,035	49,192	2,132,128	1,429	2.9
Mountain	673,770	3,624,160,217	5,379	64,349,762	96	1.8	773	42,410,255	54,864	1,784,157	2,308	4.2
Pacific	2,118,953	9,435,939,392	4,453	165,940,875	78	1.8	1,965	143,212,787	72,882	4,479,536	2,280	3.1
NEW ENGLAND:												
Maine	200,481	675,971,883	3,372	13,733,093	69	2.0	411	10,940,665	26,620	612,535	1,490	5.6
New Hampshire	131,671	304,834,153	2,315	9,254,780	70	3.0	211	9,117,458	43,211	581,995	2,758	6.4
Vermont and Rhode Island [2]	268,161	758,000,218	2,827	21,312,092	79	2.8	264	18,229,169	69,050	920,518	3,487	5.0
Massachusetts	1,165,848	2,692,558,732	2,310	82,276,347	71	3.1	547	96,014,443	175,529	4,873,196	8,909	5.1
Connecticut	461,197	1,364,540,652	2,959	38,379,775	83	2.8	95	32,068,431	337,562	1,695,829	17,851	5.3
MIDDLE ATLANTIC:												
New York	3,764,464	14,138,740,669	3,756	313,224,533	83	2.2	1,627	311,989,255	191,757	12,222,097	7,512	3.9
New Jersey	1,194,483	3,051,911,945	2,555	92,483,142	77	3.0	657	83,036,390	126,387	4,837,719	7,363	5.8
Pennsylvania	2,246,699	9,991,507,607	4,447	196,781,159	88	2.0	1,725	126,783,888	73,498	6,499,355	3,768	5.1
EAST NORTH CENTRAL:												
Ohio	1,533,908	6,073,138,770	3,959	122,110,431	80	2.0	882	89,985,159	102,024	3,998,884	4,534	4.4
Indiana	628,264	2,296,202,566	3,655	51,318,416	82	2.2	834	51,299,740	61,510	1,768,627	2,121	3.4
Illinois	1,905,549	7,188,695,407	3,773	158,443,164	83	2.2	1,132	45,740,676	40,407	1,906,118	1,684	4.2
Michigan	1,150,527	4,813,638,600	4,184	93,278,513	81	1.9	834	61,332,890	73,541	1,963,037	2,354	3.2
Wisconsin	631,128	1,889,125,039	2,993	45,565,216	72	2.4	856	49,841,436	58,226	1,601,301	1,871	3.2

WEST NORTH CENTRAL:												
Minnesota	437,655	1,271,434,816	2,905	33,477,680	76	2.6	656	30,677,109	46,764	1,240,896	1,892	4.0
Iowa	432,021	1,100,056,794	2,546	29,191,637	68	2.7	836	28,138,148	33,658	1,100,200	1,316	3.9
Missouri	661,650	2,296,843,427	3,471	51,015,616	77	2.2	519	55,603,860	107,137	1,657,954	3,195	3.0
North Dakota	74,059	114,481,176	1,546	4,976,099	67	4.3	378	3,605,635	9,539	195,653	518	5.4
South Dakota	75,137	118,768,253	1,581	5,155,313	69	4.3	256	4,977,106	19,442	291,264	1,138	5.9
Nebraska	176,976	479,264,290	2,708	13,342,038	75	2.8	347	13,613,651	39,232	530,441	1,529	3.9
Kansas	250,176	685,885,983	2,742	18,218,102	73	2.7	541	12,958,394	23,953	545,057	1,007	4.2
SOUTH ATLANTIC:												
Delaware, Maryland, and District of Columbia [2]	575,051	2,485,920,047	4,323	48,428,310	84	1.9	239	46,664,617	195,249	2,234,807	9,351	4.8
Virginia	311,375	1,165,976,096	3,745	25,910,042	83	2.2	253	11,640,778	46,011	515,205	2,036	4.4
West Virginia	236,735	1,639,199,151	6,924	26,114,005	110	1.6	214	9,104,433	42,544	408,503	1,909	4.5
North Carolina	264,756	1,791,692,985	6,767	28,527,242	108	1.6	288	14,154,781	49,149	622,740	2,162	4.4
South Carolina and Georgia [2]	349,417	2,540,819,276	7,272	40,754,575	117	1.6	566	27,671,467	48,890	1,078,003	1,905	3.9
Florida	234,491	554,959,568	2,367	21,426,582	91	3.9	175	14,252,130	81,441	805,700	4,604	5.7
EAST SOUTH CENTRAL:												
Kentucky	291,836	941,080,369	3,225	21,657,744	74	2.3	315	19,599,994	62,222	803,374	2,550	4.1
Tennessee	282,288	1,234,064,129	4,372	24,509,478	87	2.0	196	12,702,179	64,807	581,950	2,969	4.6
Alabama and Mississippi [2]	304,338	1,783,995,770	5,862	28,988,835	95	1.6	652	32,150,474	49,311	1,047,886	1,607	3.3
WEST SOUTH CENTRAL:												
Arkansas	126,269	410,276,500	3,249	10,820,157	86	2.6	272	4,816,221	17,707	173,682	639	3.6
Louisiana	218,893	915,192,140	4,181	18,815,172	86	2.1	166	17,043,181	102,670	514,770	3,101	3.0
Oklahoma	256,437	909,383,154	3,546	21,423,243	84	2.4	328	11,982,616	36,532	450,285	1,373	3.8
Texas	798,061	2,785,754,083	3,491	65,730,240	82	2.4	726	39,552,017	54,479	993,391	1,368	2.5
MOUNTAIN:												
Montana and Utah [2]	206,030	2,092,892,064	10,158	23,582,923	114	1.1	315	15,635,291	49,636	546,327	1,734	3.5
Idaho	90,590	506,651,272	5,593	7,929,995	88	1.6	121	4,504,526	37,227	203,842	1,685	4.5
Wyoming	34,642	92,403,999	2,667	3,355,617	97	3.6	43	2,459,893	57,207	130,558	3,036	5.3
Colorado	201,161	517,518,668	2,573	16,020,324	80	3.1	170	12,588,774	74,052	629,353	3,702	5.0
New Mexico and Arizona [2]	120,793	322,124,090	2,667	11,164,086	92	3.5	98	5,868,802	59,886	221,250	2,258	3.8
Nevada	20,554	92,570,124	4,504	2,296,817	112	2.5	26	1,352,969	52,037	52,827	2,032	3.9
PACIFIC:												
Washington	335,705	1,758,244,379	5,237	25,302,935	75	1.4	288	15,098,560	52,426	433,798	1,506	2.9
Oregon	258,440	1,022,389,350	3,956	19,315,631	75	1.9	234	18,189,867	77,734	613,814	2,623	3.4
California	1,524,808	6,655,305,663	4,365	121,322,309	80	1.8	1,443	109,924,360	76,178	3,431,924	2,378	3.1

See footnotes at end of table.

TABLE 39.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY MAJOR CLASSES OF SERVICE, PRIVATELY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937—Continued

DIVISION AND STATE	RESIDENTIAL OR DOMESTIC SALES											
	Farm						Nonfarm					
	Number of customers	Current sold		Revenue from electric service			Number of customers	Current sold		Revenue from electric service		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
UNITED STATES	556,244	603,285,669	1,085	$22,736,263	41	3.8	19,365,677	14,921,015,856	770	$654,786,938	34	4.4
GEOGRAPHIC DIVISIONS:												
New England	54,922	52,797,235	961	2,516,236	46	4.8	1,829,408	1,195,084,978	653	62,063,979	34	5.2
Middle Atlantic	88,826	96,301,595	1,084	4,046,357	46	4.2	5,862,303	4,045,441,380	690	199,780,541	34	4.9
East North Central	136,342	122,472,272	898	4,691,903	34	3.8	4,706,815	3,758,821,803	799	151,863,943	32	4.0
West North Central	6,534	6,006,830	919	270,524	41	4.5	1,637,655	1,278,288,111	781	55,628,962	34	4.4
South Atlantic	70,875	56,602,711	799	2,482,218	35	4.4	1,535,398	1,405,705,572	916	56,044,162	37	4.0
East South Central	16,591	18,488,892	1,114	620,751	37	3.4	670,459	597,461,343	891	22,098,183	33	3.7
West South Central	9,716	13,045,381	1,343	451,187	46	3.5	1,074,422	750,231,755	698	38,321,693	36	5.1
Mountain	43,845	54,651,314	1,246	1,920,560	44	3.5	510,147	427,897,355	839	19,521,982	38	4.6
Pacific	128,593	182,919,439	1,422	5,736,527	45	3.1	1,539,070	1,462,083,559	950	49,463,493	32	3.4
NEW ENGLAND:												
Maine	16,555	10,757,683	650	578,001	35	5.4	148,783	94,108,719	633	4,953,675	33	5.3
New Hampshire	8,490	6,785,297	799	346,885	41	5.1	102,037	62,481,142	612	3,528,567	35	5.6
Vermont and Rhode Island [2]	6,198	5,775,374	932	284,427	46	4.9	221,164	134,181,669	607	7,788,817	35	5.8
Massachusetts	13,224	13,876,301	1,049	684,666	52	4.9	971,113	580,056,581	597	30,884,723	32	5.3
Connecticut	10,455	15,602,580	1,492	622,257	60	4.0	386,311	324,256,867	839	14,908,197	38	4.6
MIDDLE ATLANTIC:												
New York	46,228	49,572,629	1,072	2,055,059	44	4.1	3,084,552	2,020,700,828	655	101,600,676	33	5.0
New Jersey	13,551	16,343,151	1,206	775,535	57	4.7	984,669	639,554,867	650	34,868,861	35	5.5
Pennsylvania	29,047	30,385,815	1,046	1,215,763	42	4.0	1,793,082	1,385,185,685	773	63,311,004	35	4.6
EAST NORTH CENTRAL:												
Ohio	46,104	43,694,239	948	1,823,419	40	4.2	1,228,044	985,150,600	802	38,688,412	32	3.9
Indiana	11,699	10,029,708	857	458,375	39	4.6	482,052	326,463,777	677	15,491,838	32	4.7
Illinois	857	671,706	784	41,902	49	6.2	1,601,866	1,227,565,685	766	53,268,067	33	4.3
Michigan	76,059	66,376,815	873	2,300,437	30	3.5	914,184	819,766,687	897	29,042,107	32	3.5
Wisconsin	1,623	1,699,804	1,047	67,770	42	4.0	480,669	399,875,054	832	15,373,519	32	3.8

West North Central:												
Minnesota	2,097	2,260,302	1,078	100,130	48	4.4	344,555	298,651,389	867	12,112,847	35	4.1
Iowa	562	682,007	1,214	35,738	64	5.2	325,972	212,511,183	652	10,608,776	33	5.0
Missouri	2,617	1,853,370	708	79,553	30	4.3	533,090	446,789,409	838	17,534,806	33	3.9
North Dakota	236	151,199	641	9,088	39	6.0	53,582	42,826,374	799	2,010,013	38	4.7
South Dakota							54,851	39,801,529	726	2,034,674	37	5.1
Nebraska	112	52,128	465	3,951	35	7.6	136,114	105,984,109	779	4,848,708	36	4.6
Kansas	910	1,007,824	1,107	42,064	46	4.2	189,491	131,724,118	695	6,479,138	34	4.9
South Atlantic:												
Delaware, Maryland, and District of Columbia [2]	4,629	4,203,485	908	214,062	46	5.1	482,141	415,813,339	862	15,817,177	33	3.8
Virginia	10,065	9,714,448	965	412,229	41	4.2	245,367	226,075,611	921	9,379,979	38	4.1
West Virginia	7,124	4,501,682	632	207,640	29	4.6	188,229	139,965,217	744	6,095,593	32	4.4
North Carolina	24,221	13,968,783	577	665,756	27	4.8	179,538	162,306,766	904	6,240,616	35	3.8
South Carolina and Georgia [2]	21,962	20,628,312	939	821,266	37	4.0	253,865	291,172,039	1,147	9,560,427	38	3.3
Florida	2,874	3,586,001	1,248	161,265	56	4.5	186,258	170,372,600	915	8,950,370	48	5.3
East South Central:												
Kentucky	2,742	2,336,712	852	100,487	37	4.3	230,029	155,313,355	675	6,564,705	29	4.2
Tennessee	13,318	15,640,910	1,174	495,770	37	3.2	217,044	229,685,128	1,058	7,771,899	36	3.4
Alabama and Mississippi [2]	531	511,270	963	24,494	46	4.8	223,386	212,462,860	951	7,761,579	35	3.7
West South Central:												
Arkansas	5,165	3,550,313	687	193,141	37	5.4	86,299	55,194,545	640	3,132,353	36	5.7
Louisiana							173,692	104,165,457	600	5,947,814	34	5.7
Oklahoma	98	45,025	459	3,288	34	7.3	190,532	130,607,751	685	6,927,332	36	5.3
Texas	4,453	9,450,043	2,122	254,758	57	2.7	623,899	460,264,002	738	22,314,194	36	4.8
Mountain:												
Montana and Utah [2]	14,086	10,056,797	714	434,768	31	4.3	158,513	148,370,317	936	5,925,079	37	4.0
Idaho	18,609	30,444,634	1,636	913,268	49	3.0	58,571	78,144,029	1,334	2,425,464	41	3.1
Wyoming	557	318,565	572	21,454	39	6.7	27,506	18,168,786	661	1,107,758	40	6.1
Colorado	8,119	5,472,916	674	332,040	41	6.1	154,592	96,827,706	626	5,351,462	35	5.5
New Mexico and Arizona [2]	2,474	8,358,402	3,378	219,030	89	2.6	95,134	69,402,272	730	4,002,632	42	5.8
Nevada							15,831	16,984,245	1,073	709,587	45	4.2
Pacific:												
Washington	39,539	39,623,546	1,002	1,262,760	32	3.2	239,732	312,914,080	1,305	8,296,194	35	2.7
Oregon	89,054	143,295,893	1,609	4,473,767	50	3.1	184,925	239,538,732	1,295	6,721,259	36	2.8
California							1,114,413	909,630,747	816	34,446,040	31	3.8

See footnotes at end of table.

TABLE 39.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY MAJOR CLASSES OF SERVICE, PRIVATELY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937—Continued

DIVISION AND STATE	COMMERCIAL AND INDUSTRIAL SALES [3]											
	Farm						Nonfarm					
	Number of customers	Current sold		Revenue from electric service			Number of customers	Current sold		Revenue from electric service		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
United States	537,138	1,862,265,944	3,467	$43,370,293	81	2.3	3,886,793	65,897,076,578	16,954	$1,129,870,988	291	1.7
GEOGRAPHIC DIVISIONS:												
New England	2,956	7,406,745	2,506	323,160	109	4.4	333,933	4,197,441,775	12,570	88,740,838	266	2.1
Middle Atlantic	86,102	146,948,537	1,707	5,495,057	64	3.7	1,155,470	19,118,605,194	16,546	337,240,429	292	1.8
East North Central	183,901	187,764,832	1,021	8,979,053	49	4.8	804,282	15,749,669,100	19,582	271,639,166	338	1.7
West North Central	66,184	64,025,573	967	3,854,077	58	6.0	388,677	4,072,177,790	10,477	84,236,083	217	2.1
South Atlantic	24,635	40,424,795	1,641	1,456,644	59	3.6	333,738	7,916,904,708	23,722	118,517,378	355	1.5
East South Central	31,656	34,373,140	1,086	1,473,784	47	4.3	154,678	3,065,731,019	19,820	46,170,665	298	1.5
West South Central	30,693	82,535,982	2,689	2,488,012	81	3.0	274,097	3,748,888,122	13,677	68,733,839	251	1.8
Mountain	4,105	68,000,684	16,565	992,201	242	1.5	112,609	2,665,837,048	23,673	37,179,369	330	1.4
Pacific	106,906	1,230,785,656	11,513	18,308,305	171	1.5	329,309	5,361,821,822	16,282	77,413,221	235	1.4
NEW ENGLAND:												
Maine	347	202,016	582	10,696	31	5.3	32,539	535,540,868	16,458	7,230,256	222	1.4
New Hampshire	889	1,041,997	1,172	56,983	64	5.5	19,570	216,361,657	11,056	4,510,301	230	2.1
Vermont and Rhode Island [2]							39,166	563,608,067	14,390	11,685,339	298	2.1
Massachusetts	1,154	5,071,017	4,394	201,792	175	4.0	178,968	1,933,725,593	10,805	44,686,796	250	2.3
Connecticut	566	1,091,715	1,929	53,689	95	4.9	63,690	948,205,590	14,888	20,628,146	324	2.2
MIDDLE ATLANTIC:												
New York	38,849	36,790,990	947	1,766,264	45	4.8	590,232	9,828,227,018	16,651	175,588,471	297	1.8
New Jersey	47,253	110,157,547	2,331	3,728,793	79	3.4	187,556	2,071,822,601	11,046	48,391,520	258	2.3
Pennsylvania							377,682	7,218,555,575	19,113	113,260,438	300	1.6
EAST NORTH CENTRAL:												
Ohio	52,995	41,198,040	777	2,311,760	44	5.6	199,722	4,436,298,244	22,212	70,045,379	351	1.6
Indiana	34,846	31,366,414	900	1,515,878	44	4.8	94,748	1,706,729,522	18,013	29,610,696	313	1.7
Illinois	41,495	43,165,477	1,040	2,147,503	52	5.0	259,271	4,561,490,448	17,594	89,017,771	343	2.0
Michigan	4,000	25,495,114	6,374	327,723	82	1.3	154,640	3,699,652,511	23,924	57,995,819	375	1.6
Wisconsin	50,565	46,539,787	920	2,676,189	53	5.8	95,901	1,345,498,375	14,030	24,969,501	260	1.9

West North Central:												
Minnesota	10,294	9,014,009	876	655,055	64	7.3	79,266	854,270,064	10,777	18,422,474	232	2.2
Iowa	24,479	19,501,308	797	1,403,327	57	7.2	79,437	809,094,950	10,185	15,507,864	195	1.9
Missouri	13,016	12,038,363	925	627,869	48	5.2	111,420	1,501,957,982	13,480	28,444,177	255	1.9
North Dakota	459	526,018	1,146	33,662	73	6.4	19,275	58,005,859	3,009	2,545,369	132	4.4
South Dakota	1,468	981,236	668	78,896	54	8.0	18,163	66,485,227	3,660	2,579,215	142	3.9
Nebraska	5,922	7,326,604	1,237	418,883	71	5.7	34,058	295,343,536	8,672	6,957,704	204	2.4
Kansas	10,546	14,638,035	1,388	636,385	60	4.3	47,058	487,020,172	10,349	9,779,280	208	2.0
South Atlantic:												
Delaware, Maryland, and District of Columbia [2]	4,326	7,066,960	1,634	233,468	54	3.3	83,154	1,587,752,746	19,094	26,041,561	313	1.6
Virginia	4,625	8,710,504	1,883	306,991	66	3.5	50,116	877,275,272	17,505	14,839,691	296	1.7
West Virginia	2,761	2,620,821	949	120,960	44	4.6	37,175	1,434,658,256	38,592	18,624,039	501	1.3
North Carolina	8,972	8,321,621	928	349,610	39	4.2	51,261	1,572,389,741	30,674	20,329,486	397	1.3
South Carolina and Georgia [2]	2,113	5,464,216	2,586	167,621	79	3.1	70,677	2,109,826,194	29,852	28,228,396	399	1.3
Florida	1,838	8,240,673	4,484	277,994	151	3.4	41,355	335,002,499	8,101	10,454,205	253	3.1
East South Central:												
Kentucky	8,464	8,225,337	972	413,529	49	5.0	48,169	669,079,941	13,890	12,446,312	258	1.9
Tennessee	4,220	3,274,342	776	131,064	31	4.0	46,775	929,142,875	19,864	14,961,671	320	1.6
Alabama and Mississippi [2]	18,972	22,873,461	1,206	929,191	49	4.1	59,734	1,467,508,203	24,567	18,762,682	314	1.3
West South Central:												
Arkansas	4,255	30,389,684	7,142	636,851	150	2.1	33,983	299,434,441	8,811	6,442,510	190	2.2
Louisiana	527	10,564,508	20,047	219,164	416	2.1	38,602	711,576,218	18,434	11,016,803	285	1.5
Oklahoma	9,092	25,412,622	2,795	838,593	92	3.3	54,101	690,624,248	12,765	12,389,639	229	1.8
Texas	16,819	16,169,168	961	793,404	47	4.9	147,411	2,047,253,215	13,888	38,884,887	264	1.9
Mountain:												
Montana and Utah [2]	874	11,151,778	12,759	129,674	148	1.2	31,517	1,576,733,579	50,028	14,410,821	457	.9
Idaho	266	28,312,436	106,438	246,813	928	.9	12,079	354,435,567	29,343	3,885,187	322	1.1
Wyoming	264	646,893	2,450	32,118	122	5.0	6,218	69,411,250	11,163	2,018,685	325	2.9
Colorado	2,201	9,329,431	4,239	269,396	122	2.9	35,824	386,362,839	10,785	9,301,509	260	2.4
New Mexico and Arizona [2]	500	18,560,146	37,120	314,200	628	1.7	22,938	206,105,197	8,985	6,085,762	265	3.0
Nevada							4,033	72,788,616	18,048	1,477,405	366	2.0
Pacific:												
Washington	10,399	33,336,696	3,206	768,073	74	2.3	45,410	1,211,810,072	26,686	13,449,534	296	1.1
Oregon	8,824	15,393,312	1,744	423,665	48	2.8	42,546	648,056,191	15,232	9,936,362	234	1.5
California	87,683	1,182,055,648	13,481	17,116,567	195	1.4	241,353	3,501,955,559	14,510	54,027,325	224	1.5

[1] Includes statistics for "Street and interurban railways," "Electrified steam-railroad divisions," "Interdepartmental," "Other sales to public authorities," and "Other sales to ultimate consumer." These classes of service are not shown separately in this table.

[2] Combined to avoid disclosing the operations of individual establishments.

[3] Includes statistics for "Rural—district rural rates only," which cover rural sales as outlined by the "Uniform system of accounts" prescribed by the Federal Power Commission for use of public utilities and licensees under its jurisdiction, as Account No. 601. This type of service showed 633,597 customers, purchasing 1,225,961,366 kilowatt-hours at a cost of $38,972,019, and represents commercial sales principally, although it is probable the figures include some residential or domestic sales.

TABLE 40.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY MAJOR CLASSES OF SERVICE, MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937

DIVISION AND STATE	TOTAL SALES TO ULTIMATE CONSUMERS [1]						STREET AND HIGHWAY LIGHTING					
	Number of customers	Current sold		Revenue from electric service			Number of customers	Current sold		Revenue from electric service		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
United States	2,656,958	5,674,398,803	2,136	$149,544,540	56	2.6	2,297	270,088,885	117,583	$6,974,002	3,036	2.6
GEOGRAPHIC DIVISIONS:												
New England	178,693	292,706,083	1,638	9,000,732	50	3.1	227	18,025,010	79,405	493,320	2,173	2.7
Middle Atlantic	145,660	240,944,590	1,654	7,799,785	54	3.2	89	13,416,913	150,752	358,288	4,026	2.7
East North Central	577,403	1,221,061,807	2,115	32,827,316	57	2.7	301	74,791,709	248,477	2,042,803	6,787	2.7
West North Central	472,883	714,201,495	1,510	23,979,941	51	3.4	282	27,456,713	97,364	714,085	2,532	2.6
South Atlantic	273,552	486,102,654	1,777	17,763,126	65	3.7	63	19,545,129	310,240	652,723	10,361	3.3
East South Central	78,191	136,063,402	1,740	4,196,058	54	3.1	31	1,865,623	60,181	41,472	1,338	2.2
West South Central	161,285	237,060,295	1,470	9,080,404	56	3.8	80	8,412,281	105,154	277,846	3,473	3.3
Mountain	77,952	115,643,349	1,484	4,093,105	53	3.5	52	5,175,052	99,520	140,718	2,706	2.7
Pacific	691,339	2,230,615,128	3,267	40,804,073	59	1.8	1,172	101,400,455	86,519	2,252,747	1,922	2.2
NEW ENGLAND:												
Maine	6,966	7,297,114	1,048	290,010	42	4.0	10	357,825	35,782	13,691	1,369	3.8
New Hampshire	4,611	5,241,525	1,137	205,995	45	3.9	4	343,029	85,757	11,222	2,806	3.3
Vermont and Rhode Island [1]	15,795	29,664,069	1,878	882,704	56	3.0	12	666,554	55,546	14,289	1,191	2.1
Massachusetts	129,014	211,185,771	1,637	6,288,286	49	3.0	190	14,447,695	76,040	372,919	1,963	2.6
Connecticut	22,307	39,317,604	1,763	1,333,737	60	3.4	11	2,209,907	200,901	81,199	7,382	3.7
MIDDLE ATLANTIC:												
New York	79,358	149,638,075	1,886	4,244,757	53	2.8	63	10,455,272	165,957	266,875	4,236	2.6
New Jersey	18,102	20,577,432	1,137	1,014,964	56	4.9	13	851,970	65,536	32,588	2,507	3.8
Pennsylvania	48,200	70,729,083	1,467	2,540,064	53	3.6	13	2,109,671	162,282	58,825	4,525	2.8
EAST NORTH CENTRAL:												
Ohio	187,748	403,879,483	2,151	10,772,534	57	2.7	139	51,357,431	369,478	1,337,052	9,619	2.6
Indiana	139,623	273,052,039	1,956	7,789,719	56	2.9						
Illinois	66,794	116,205,376	1,740	3,602,696	54	3.1	12	4,105,263	342,105	114,213	9,518	2.8
Michigan	107,456	264,293,526	2,460	6,507,555	61	2.5	31	10,072,006	324,903	268,297	8,655	2.7
Wisconsin	75,782	163,631,383	2,159	4,154,812	55	2.5	119	9,257,009	77,790	323,241	2,716	3.5

West North Central:												
Minnesota	99,215	148,464,506	1,496	5,684,320	57	3.8	65	8,619,197	132,603	273,667	4,210	3.2
Iowa	74,983	87,894,014	1,172	3,628,494	48	4.1	25	1,323,882	52,955	24,597	984	1.9
Missouri	76,469	102,106,186	1,335	3,308,460	43	3.2	16	2,497,223	156,076	43,671	2,729	1.7
North Dakota	5,792	7,484,848	1,292	317,422	55	4.2	5	146,779	29,356	5,240	1,048	3.6
South Dakota	17,024	27,194,643	1,597	1,126,443	66	4.1	18	3,150,028	175,002	84,411	4,690	2.7
Nebraska	83,442	96,718,602	1,159	3,578,471	43	3.7	116	6,224,243	53,657	143,432	1,236	2.3
Kansas	115,958	244,338,696	2,107	6,336,331	55	2.6	37	5,495,361	148,523	139,067	3,759	2.5
South Atlantic:												
Delaware, Maryland, and District of Columbia [2]	19,641	28,873,974	1,470	1,111,615	57	3.8	10	2,224,554	222,455	56,121	5,612	2.5
Virginia	24,219	46,879,678	1,936	1,550,022	64	3.3	9	1,603,238	178,138	53,520	5,947	3.3
West Virginia	2,329	3,007,220	1,291	110,538	47	3.7						
North Carolina	75,605	116,826,112	1,545	4,508,026	60	3.9	23	5,102,924	221,866	151,758	6,598	3.0
South Carolina	23,926	38,285,603	1,600	1,319,971	55	3.4	4	607,568	151,892	26,860	6,715	4.4
Georgia	44,565	63,701,347	1,429	2,465,907	55	3.9	5	950,518	190,104	27,023	5,405	2.8
Florida	83,267	188,528,720	2,264	6,697,047	80	3.6	12	9,056,327	754,694	337,441	28,120	3.7
East South Central:												
Kentucky	23,289	29,437,475	1,264	1,013,874	44	3.4	10	800,463	80,046	19,964	1,996	2.5
Tennessee	16,504	32,119,727	1,946	947,773	57	3.0						
Alabama	18,153	35,670,254	1,965	986,333	54	2.8	8	468,721	58,590	10,946	1,368	2.3
Mississippi	20,245	38,835,946	1,918	1,248,078	62	3.2	13	596,439	45,880	10,562	812	1.8
West South Central:												
Arkansas	20,394	25,781,103	1,264	1,004,353	49	3.9	59	2,301,053	39,001	111,914	1,897	4.9
Louisiana	34,447	43,809,900	1,272	2,083,188	60	4.8						
Oklahoma	51,171	64,302,349	1,257	2,677,468	52	4.2	7	1,973,698	281,957	43,070	6,153	2.2
Texas	55,273	103,166,943	1,866	3,315,395	60	3.2	14	4,137,530	295,538	122,862	8,776	3.0
Mountain:												
Montana	532	404,587	761	33,677	63	8.3	6	414,193	69,032	8,483	1,414	2.0
Idaho	8,486	24,620,674	2,901	583,595	69	2.4						
Wyoming	4,885	5,398,411	1,105	301,529	62	5.6						
Colorado	34,513	50,150,761	1,453	1,834,801	53	3.7	24	3,072,127	128,005	81,060	3,378	2.6
New Mexico and Arizona [2]	5,323	8,015,232	1,506	386,230	73	4.8	6	308,360	51,393	18,176	3,029	5.9
Utah	22,662	24,009,089	1,059	821,600	36	3.4	11	1,138,623	103,511	26,819	2,438	2.4
Nevada	1,551	3,044,595	1,963	131,673	85	4.3	5	241,749	48,350	6,180	1,236	2.6
Pacific:												
Washington	142,879	667,497,680	4,672	8,865,184	62	1.3	(3)	(3)	(3)	(3)	(3)	(3)
Oregon	15,177	42,930,702	2,829	846,545	56	2.0						
California	533,283	1,520,186,746	2,851	31,092,344	58	2.0						

See footnotes at end of table.

TABLE 40.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY MAJOR CLASSES OF SERVICE, MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937—Continued

DIVISION AND STATE	RESIDENTIAL OR DOMESTIC SALES											
	Farm						Nonfarm					
	Number of customers	Current sold		Revenue from electric service			Number of customers	Current sold		Revenue from electric service		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
UNITED STATES	32,048	24,750,713	772	$1,089,669	34	4.4	2,174,752	1,848,260,314	850	$70,071,245	32	3.8
GEOGRAPHIC DIVISIONS:												
New England	1,346	1,384,318	1,028	52,553	39	3.8	154,651	118,362,868	765	4,737,851	31	4.0
Middle Atlantic	3,742	2,712,494	725	109,851	29	4.0	121,250	84,537,679	697	3,953,920	33	4.7
East North Central	6,042	4,470,917	740	199,433	33	4.5	481,002	422,688,740	879	15,648,937	33	3.7
West North Central	9,063	6,913,187	763	295,768	33	4.3	386,150	288,173,582	746	12,785,047	33	4.4
South Atlantic	7,720	5,983,681	775	302,637	39	5.1	210,060	180,687,569	860	8,193,818	39	4.5
East South Central	836	448,275	536	14,964	18	3.3	64,107	67,249,276	1,049	2,374,452	37	3.5
West South Central	1,259	942,843	749	55,136	44	5.8	130,640	107,179,071	820	5,147,090	39	4.8
Mountain	1,486	1,235,170	831	38,513	26	3.1	62,468	53,232,479	852	2,149,036	34	4.0
Pacific	554	659,828	1,191	20,814	38	3.2	564,424	526,149,050	932	15,081,094	27	2.9
NEW ENGLAND:												
Maine	95	64,593	680	3,438	36	5.3	5,299	2,670,740	504	140,291	26	5.3
New Hampshire							3,855	2,723,048	706	123,053	32	4.5
Vermont and Rhode Island [2]	431	448,867	1,041	17,378	40	3.9	12,933	11,407,946	882	421,065	33	3.7
Massachusetts	820	870,858	1,062	31,737	39	3.6	113,828	88,590,728	778	3,491,833	31	3.9
Connecticut	----	----	----	----	----	----	18,736	12,970,406	692	561,609	30	4.3
MIDDLE ATLANTIC:												
New York	(3)	(3)	(3)	(3)	(3)	(3)	61,706	43,851,989	711	1,840,389	30	4.2
New Jersey							16,196	10,347,447	639	622,656	38	6.0
Pennsylvania							43,348	30,338,243	700	1,490,875	34	4.9
EAST NORTH CENTRAL:												
Ohio	2,201	1,641,164	746	73,579	33	4.5	159,510	129,007,542	809	4,810,853	30	3.7
Indiana	1,673	1,241,504	742	53,745	32	4.3	114,742	98,027,650	854	3,908,615	34	4.0
Illinois	457	227,883	499	14,484	32	6.4	58,736	57,487,454	979	2,276,761	39	4.0
Michigan	1,367	1,187,315	869	47,638	35	4.0	90,770	89,213,403	983	2,955,114	33	3.3
Wisconsin	344	173,051	503	9,987	29	5.8	57,244	48,952,691	855	1,697,594	30	3.5

West North Central:												
Minnesota	(3)	(3)	(3)	(3)	(3)	(3)	75,996	62,598,385	824	2,694,568	35	4.3
Iowa	586	429,035	732	23,651	40	5.5	62,530	48,166,412	770	2,215,292	35	4.6
Missouri	1,074	186,370	174	11,722	11	6.3	63,201	43,647,311	691	1,840,859	29	4.2
North Dakota	(3)	(3)	(3)	(3)	(3)	(3)	4,693	3,173,520	676	170,614	36	5.4
South Dakota	195	41,674	214	2,100	11	5.0	13,320	9,536,048	716	517,695	39	5.4
Nebraska	718	370,440	516	25,759	36	7.0	68,613	43,964,636	641	2,070,126	30	4.7
Kansas	1,650	1,104,557	669	60,544	37	5.5	97,797	77,087,270	788	3,275,893	33	4.2
South Atlantic:												
Delaware, Maryland, and District of Columbia [2]	428	160,040	374	12,113	28	7.6	17,047	12,247,818	718	640,848	38	5.2
Virginia	456	281,045	616	11,112	24	4.0	18,316	17,208,717	940	684,150	37	4.0
West Virginia							1,890	1,791,813	948	70,459	37	3.9
North Carolina	2,827	2,164,449	766	97,263	34	4.5	58,526	45,058,382	770	2,073,532	36	4.6
South Carolina	409	268,119	656	8,964	22	3.3	18,222	16,747,083	919	660,144	36	3.9
Georgia	400	363,289	908	17,709	44	4.9	35,049	28,490,341	813	1,349,774	39	4.7
Florida	3,200	2,746,739	858	155,476	49	5.7	61,010	59,143,415	969	2,714,911	44	4.6
East South Central:												
Kentucky	(3)	(3)	(3)	(3)	(3)	(3)	20,425	19,711,032	965	703,321	34	3.6
Tennessee							13,090	12,041,843	920	403,398	31	3.3
Alabama							14,896	20,601,349	1,383	663,748	45	3.2
Mississippi							15,696	14,895,052	949	603,985	38	4.1
West South Central:												
Arkansas	91	60,004	659	3,102	34	5.2	16,513	16,051,667	972	664,731	40	4.1
Louisiana	156	82,377	528	6,386	41	7.8	28,832	23,874,999	828	1,306,692	45	5.5
Oklahoma	740	488,216	660	31,730	43	6.5	41,960	32,128,186	766	1,564,040	37	4.9
Texas	272	312,246	1,148	13,918	51	4.5	43,335	35,124,219	811	1,611,627	37	4.6
Mountain:												
Montana							408	203,423	499	17,772	44	8.7
Idaho	299	359,471	1,202	18,793	63	5.2	6,727	13,706,093	2,037	317,257	47	2.3
Wyoming							4,236	3,652,612	862	204,143	48	5.6
Colorado							27,275	19,661,766	721	920,501	34	4.7
New Mexico and Arizona [2]							4,160	2,804,522	674	163,453	39	5.8
Utah	1,187	875,699	738	19,720	17	2.3	18,443	12,323,550	668	461,475	25	3.7
Nevada							1,219	880,513	722	64,435	53	7.3
Pacific:												
Washington	(3)	(3)	(3)	(3)	(3)	(3)	121,241	163,571,268	1,349	3,759,998	31	2.3
Oregon							12,174	18,583,820	1,527	410,416	34	2.2
California							431,009	343,993,962	798	10,910,680	25	3.2

See footnotes at end of table.

TABLE 40.—SALES TO ULTIMATE CONSUMERS—NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE FROM ELECTRIC SERVICE, BY MAJOR CLASSES OF SERVICE, MUNICIPALLY OWNED ELECTRIC UTILITIES, BY DIVISIONS AND STATES: 1937—Continued

DIVISION AND STATE	COMMERCIAL AND INDUSTRIAL SALES [4]											
	Farm						Nonfarm					
	Number of customers	Current sold		Revenue from electric service			Number of customers	Current sold		Revenue from electric service		
		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)		Kilowatt-hours	Average kilowatt-hours per customer	Amount	Average per customer (*dollars*)	Average per kilowatt-hour (*cents*)
UNITED STATES	28,460	33,626,751	1,182	$1,294,686	45	3.9	412,105	3,129,494,585	7,594	$64,884,102	157	2.1
GEOGRAPHIC DIVISIONS:												
New England	1,346	840,939	625	38,883	29	4.6	20,586	143,857,750	6,988	3,448,557	168	2.4
Middle Atlantic	1,050	3,788,538	3,608	91,679	87	2.4	19,195	119,744,115	6,238	2,999,735	156	2.5
East North Central	12,458	14,980,721	1,202	537,354	43	3.6	76,459	645,801,415	8,446	13,471,310	176	2.1
West North Central	5,439	5,178,720	952	278,596	51	5.4	71,263	334,831,797	4,699	9,062,548	127	2.7
South Atlantic	3,782	3,103,093	820	162,550	43	5.2	51,559	252,593,271	4,899	7,995,027	155	3.2
East South Central	666	674,296	1,012	33,353	50	4.9	12,484	60,339,478	4,833	1,644,242	132	2.7
West South Central	2,152	1,386,286	644	71,747	33	5.2	26,916	104,833,076	3,895	3,294,252	122	3.1
Mountain	357	1,557,854	4,364	29,608	83	1.9	13,494	49,905,793	3,698	1,642,462	122	3.3
Pacific	1,210	2,116,304	1,749	50,916	42	2.4	120,149	1,417,587,890	11,799	21,325,969	177	1.5
NEW ENGLAND:												
Maine	(3)	(3)	(3)	(3)	(3)	(3)	1,160	2,927,513	2,524	103,440	89	3.5
New Hampshire							595	1,895,906	3,186	62,277	105	3.3
Vermont and Rhode Island [2]							2,012	15,252,155	7,581	385,448	192	2.5
Massachusetts							13,664	100,529,727	7,357	2,230,253	163	2.2
Connecticut							3,155	23,252,449	7,370	667,139	211	2.9
MIDDLE ATLANTIC:												
New York	(3)	(3)	(3)	(3)	(3)	(3)	12,567	75,448,003	6,004	1,714,003	136	2.3
New Jersey							1,873	8,302,800	4,433	330,452	176	4.0
Pennsylvania							4,755	35,993,312	7,570	955,280	201	2.7
EAST NORTH CENTRAL:												
Ohio	2,237	2,025,856	906	85,251	38	4.2	23,293	213,847,817	9,181	4,553,333	195	2.1
Indiana	4,420	7,135,820	1,614	192,889	44	2.7	18,540	134,922,933	7,277	2,948,761	159	2.2
Illinois	149	94,345	633	8,381	56	8.9	7,423	46,143,406	6,216	1,091,025	147	2.4
Michigan	2,150	2,686,323	1,249	97,296	45	3.6	12,921	152,415,095	11,796	2,982,499	231	2.0
Wisconsin	3,502	3,038,377	868	153,537	44	5.1	14,282	98,472,164	6,895	1,895,692	133	1.9

West North Central:												
Minnesota	1,215	1,543,270	1,270	81,781	67	5.3	17,033	60,443,412	3,549	2,246,800	132	3.7
Iowa	1,603	1,441,920	900	75,211	47	5.2	10,187	33,380,215	3,277	1,223,337	120	3.7
Missouri	687	724,838	1,055	33,339	49	4.6	11,465	53,257,313	4,645	1,341,697	117	2.5
North Dakota	52	41,549	799	1,546	30	3.7	1,071	3,957,029	3,695	132,251	123	3.3
South Dakota							3,420	11,172,302	3,267	444,162	130	4.0
Nebraska	589	529,184	898	30,093	51	5.7	13,195	33,161,446	2,513	1,113,605	84	3.4
Kansas	1,293	897,959	694	56,626	44	6.3	14,892	139,460,080	9,365	2,560,696	172	1.8
South Atlantic:												
Delaware, Maryland, and District of Columbia [2]	633	591,970	935	35,677	56	6.0	1,926	12,818,151	6,655	363,819	189	2.8
Virginia							5,380	25,355,296	4,713	761,393	142	3.0
West Virginia												
North Carolina	1,648	794,418	482	52,037	32	6.6	12,401	53,560,616	4,319	1,957,027	158	3.7
South Carolina	1,240	1,133,746	914	51,299	41	4.5	13,144	49,886,029	3,795	1,587,664	121	3.2
Georgia												
Florida	261	582,959	2,234	23,537	90	4.0	18,708	110,973,179	5,932	3,325,124	178	3.0
East South Central:												
Kentucky	(3)	(3)	(3)	(3)	(3)	(3)	2,534	8,475,262	3,345	278,045	110	3.3
Tennessee							2,794	17,194,960	6,154	478,056	171	2.8
Alabama							2,994	13,547,906	4,525	297,772	99	2.2
Mississippi							4,162	21,121,350	5,075	590,369	142	2.8
West South Central:												
Arkansas	1,149	706,872	615	32,380	28	4.6	2,781	8,289,019	2,981	301,358	108	3.6
Louisiana							5,207	16,669,088	3,201	637,224	122	3.8
Oklahoma	639	516,137	808	32,367	51	6.3	7,770	26,225,947	3,375	968,280	125	3.7
Texas	364	163,277	449	7,000	19	4.3	11,158	53,649,022	4,808	1,387,390	124	2.6
Mountain:												
Montana	(3)	(3)	(3)	(3)	(3)	(3)	121	151,939	1,256	13,436	111	8.8
Idaho							1,623	9,430,758	5,811	239,810	148	2.5
Wyoming							560	1,601,390	2,860	90,496	162	5.7
Colorado							6,957	23,154,933	3,328	743,709	107	3.2
New Mexico and Arizona [2]							1,138	4,505,597	3,959	195,367	172	4.3
Utah							2,770	9,511,176	3,434	305,194	110	3.2
Nevada							325	1,550,000	4,769	54,450	168	3.5
Pacific:												
Washington	(3)	(3)	(3)	(3)	(3)	(3)	19,389	392,016,618	20,219	3,742,685	193	1.0
Oregon							2,266	19,209,078	8,477	351,744	155	1.8
California							98,494	1,006,362,194	10,217	17,231,540	175	1.7

[1] Includes statistics for "Street and interurban railways," "Electrified steam-railroad divisions," "Interdepartmental," "Other sales to public authorities," and "Other sales to ultimate consumer." These classes of service are not shown separately in this table.

[2] Combined to avoid disclosing the operations of individual establishments.

[3] Statistics for States cannot be shown without disclosing data for individual establishments.

[4] Includes statistics for "Rural—distinct rural rates only," which cover rural sales as outlined by the "Uniform system of accounts" prescribed by the Federal Power Commission for use of public utilities and licensees under its jurisdiction, as Account No. 601. This type of service showed 39,558 customers purchasing 35,913,491 kilowatt-hours at a cost of $1,702,594, and represents commercial sales principally, although it is probable the figures include some residential or domestic sales.

TABLE 41.—NUMBER OF SALARIED EMPLOYEES AND WAGE EARNERS, AND SALARIES AND WAGES PAID, PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES: 1937

	Total	Privately owned electric utilities	Municipally owned electric utilities
Employees:			
Number on June 30, 1937	278,042	255,155	22,887
Number on Dec. 31, 1937	273,491	251,171	22,320
Salaries and wages for year	$465,314,210	$432,659,746	$32,654,464
Salaried employees: [1]			
Number on June 30, 1937	122,782	113,387	9,395
Number on Dec. 31, 1937	122,195	112,938	9,257
Salaries	$220,184,803	$207,049,652	$13,135,151
Wage earners:			
Number on June 30, 1937	155,260	141,768	13,492
Number on Dec. 31, 1937	151,296	138,233	13,063
Wages	$245,129,407	$225,610,094	$19,519,313

[1] Includes superintendents, managers, clerks, stenographers, and supervisory and office employees.

TABLE 42.—CONSOLIDATED BALANCE SHEET FOR PRIVATELY OWNED ELECTRIC UTILITIES, INCLUDING ASSETS AND LIABILITIES OF ALLIED NONELECTRIC UTILITIES AS OF DEC. 31, 1937 [1]

ASSETS AND OTHER DEBITS		LIABILITIES AND OTHER CREDITS	
3 Utility plant, total	$14,048,706,100	11 Capital stock	$6,540,461,437
Electric	11,936,205,264	10 Investment of unincorporated undertakings	2,987,728
Gas	1,370,493,448	4 Long-term debt	6,837,591,858
Electric railway	263,179,509	9 Current and accrued liabilities	707,519,769
Other	478,827,879	10 Deferred credits	42,348,722
2 Investments and funds	1,308,120,532	4 Reserve for depreciation of electric plant	1,346,425,840
1 Current and accrued assets	972,491,998	10 Other reserves	385,286,896
1 Deferred debits	494,082,844	10 Contributions in aid of construction	36,428,566
6 Capital stock discount and expense	33,555,494	12 Surplus X	1,034,582,954
6 Reacquired securities	43,005,496		
Deficit D	33,671,306	Total liabilities and other credits	16,933,633,770
7 Total assets and other debits A	16,933,633,770		

[1] Companies operating on a fiscal year basis reported balance-sheet statistics as of the last day of their fiscal year.

7 = A - D - 4 12 = X - D

TABLE 43.—CONSOLIDATED INCOME, OPERATING-REVENUE, AND EXPENSE STATEMENT, AND DIVIDEND APPROPRIATIONS FOR PRIVATELY OWNED ELECTRIC AND ALLIED NONELECTRIC UTILITIES: 1937

ACCOUNT	Total	Electric light and power	Other utilities
Operating revenues	$2,603,318,830	$2,207,108,652	$396,210,178
Operating expenses	1,203,911,334	[1] 946,416,262	257,495,072
Depreciation	254,779,063	217,656,222	37,122,841
Taxes	359,603,642	312,270,755	47,332,887
Federal	121,496,425	112,381,945	9,114,480
Other	238,107,217	199,888,810	38,218,407
Other operating revenue deductions	1,303,596	605,636	697,960
Total operating revenue deductions	1,819,597,635	1,476,948,875	342,648,760
Net operating revenues	783,721,195	730,159,777	53,561,418
Income from utility plants leased to others	3,637,312	3,569,814	67,498
Total utility operating income	787,358,507	733,729,591	53,628,916
Other income	61,972,429	(2)	(2)
Gross income	849,330,936	(2)	(2)
Income deductions:			
Interest on long-term debt	289,507,148	(2)	(2)
Amortization of debt discount (or premium) and expense	19,405,429	(2)	(2)
Other income deductions	26,237,489	(2)	(2)
Total income deductions	335,150,066	(2)	(2)
Net income	514,180,870	(2)	(2)

DIVIDEND APPROPRIATIONS AND CASH DISTRIBUTIONS	Total
Dividend appropriations:	
Preferred stock	$126,327,501
Common stock	307,627,296
Authorized cash distributions by unincorporated undertakings	332,401

[1] Includes cost of fuel, $165,758,049; purchased and interchanged power, $166,864,166; maintenance expense, $125,579,914; and other operating expenses, $488,214,133.
[2] Segregation of "Electric light and power" and "Other utilities" not called for on schedule.

TABLE 44.—CONSOLIDATED BALANCE SHEET FOR MUNICIPALLY OWNED ELECTRIC UTILITIES, INCLUDING ASSETS AND LIABILITIES OF ALLIED NONELECTRIC UTILITIES AS OF DEC. 31, 1937 [1]

ASSETS AND OTHER DEBITS		LIABILITIES AND OTHER CREDITS	
Utility plant, total	$794,308,100	Investment of municipalities	$250,996,674
Electric	701,670,820	Long-term debt	249,019,624
Gas	9,408,011	Current and accrued liabilities	22,450,664
Electric railway	171,320	Deferred credits	5,001,132
Other	83,057,949	Reserve for depreciation of electric plants	132,713,490
Investments and funds	48,600,494	Other reserves	26,308,912
Current and accrued assets	76,979,013	Contribution in aid of construction	11,356,390
Deferred debits	9,272,484	Surplus	232,036,712
Reacquired securities	329,314		
Deficit	394,193		
Total assets and other debits	929,883,598	Total liabilities and other credits	929,883,598

[1] Municipalities operating on a fiscal year basis reported balance sheet statistics as of the last day of their fiscal year.

TABLE 45.—CONSOLIDATED INCOME, OPERATING-REVENUE, AND EXPENSE STATEMENT, FOR MUNICIPALLY OWNED ELECTRIC AND ALLIED NONELECTRIC UTILITIES: 1937

Account	Total	Electric light and power	Other utilities
Operating revenues	$168,287,648	$154,976,216	$13,311,432
Operating expenses	87,786,750	[1] 80,131,176	7,655,574
Depreciation	18,897,484	17,136,506	1,760,978
Taxes	2,635,249	2,325,305	309,944
Federal	94,061	88,929	5,132
Other	2,541,188	2,236,376	304,812
Other operating revenue deductions	526,649	435,090	91,559
Total operating revenue deductions	109,846,132	100,028,077	9,818,055
Net operating revenues	58,441,516	54,948,139	3,493,377
Income from utility plants leased to others	165,009	165,009	----------
Total utility operating income	58,606,525	55,113,148	3,493,377
Other income	1,552,352	(2)	(2)
Gross income	60,158,877	(2)	(2)
Income deductions:			
Interest on long-term debt	9,353,077	(2)	(2)
Amortization of debt discount (or premium) and expense	839,623	(2)	(2)
Other income deductions	785,218	(2)	(2)
Total income deductions	10,977,918	(2)	(2)
Net income	49,180,959	(2)	(2)

Authorized cash distributions to municipalities ---------- $15,530,246

[1] Includes cost of fuel, $14,585,948; purchased and interchanged power, $17,178,196; maintenance expense, $19,311,955; and other operating expenses, $29,055,077.
[2] Segregation of "Electric light and power" and "Other utilities" not called for on schedule.