Regulatory File Cy.

UNITED STATES OF AMERICA ATOMIC ENERGY COMMISSION

Received w/Ltr Dated 6-1-64

In the Matter of

THE TOLEDO EDISON COMPANY

and

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY Davis-Besse Nuclear Power Station

Docket No. 50-50-346

2.178

APPLICATION FOR LICENSES

UNDER THE

ATOMIC ENERGY ACT OF 1954

AS AMENDED

FOR

DAVIS-BESSE NUCLEAR POWER STATION

AUGUST 1, 1969

RETURN TO REGULATORY CERTIAL FILES 8002200 889 **ROOM 016**

THE TOLEDO EDISON COMPANY

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

Application for Utilization Facility

Construction Permit and Operating License

General Information - 10 CFR 750.33

- 1. Names and Addresses of Applicants
 - a. The Toledo Edison Company 420 Madison Avenue Toledo, Ohio 43601
 - b. The Cleveland Electric Illuminating Company P.O. Box 5000
 55 Public Square Cleveland, Ohio 44101

The Toledo Edison Company (Toledo) and The Cleveland Electric Illuminating Company (Cleveland) will share, in the ratios indicated below, undivided ownership of the utilization facility, to be known as the Davis-Besse Nuclear Power Station, and its site. Toledo has complete responsibility for the design and installation of the Davis-Besse station and for the prosecution of this application and all related licensing activities and proceedings before the Atomic Energy Commission. Toledo will also have complete responsibility for the operation and maintenance of the Davis-Besse station. Toledo and Cleveland are not acting as the agents or representatives of any other persons in filing this application.

2. Description of Business and Organization of Applicants

a. Toledo is a public utility incorporated under the laws of the State of Ohio and is engaged primarily in the production, purchase, transmission, distribution and sale of electricity in northwestern Ohio. Toledo supplies electrical power within a service area of 2,500 square miles which has an estimated population of 708,000. Retail power is supplied within the corporation limits of 47 municipalities in the service area including the City of Toledo and wholesale power is supplied to 15 municipally-owned systems. Toledo has a total system capability of more than 1.2 million kilowatts.

Toledo is not owned, controlled or dominated by an alien, foreign corporation, or foreign government. The names and business addresses of Toledo's directors and principal officers, all of whom are citizens of the United States, are as follows:

Directors

Dr. William S. Carlson University of Toledo 2801 W. Bancroft Street Toledo, Ohio 43606

Samuel G. Carson The Toledo Trust Company Summit and Madison Toledo, Ohio 43603

John K. Davis The Toledo Edison Company 420 Madison Avenue Toledo, Ohio 43601

Charles E. Flahie The Toledo Edison Company 420 Madison Avenue Toledo, Ohio 43601 Fred E. Fuller Fuller, Seney, Henry & Hodge 405 Madison Avenue Toledo, Ohio 43604

Virgil A. Gladieux Gladieux Food Services, Inc. 2630 W. Alexis Road Toledo, Ohio 43613

William M. Hankins, Jr. The Kiemle-Hankins Company 30335 Oregon Road Perrysburg, Ohio

Marvin S. Kobacker Federal's, Inc.-Department Stores 408 Summit Street Toledo, Ohio 43603

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J. Preston Levis Owens-Illinois, Inc. 405 Madison Avenue Toledo, Ohio 43601

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W. Royse Moran The Toledo Edison Company 420 Madison Avenue Toledo, Ohio 43601

Henry A. Page, Jr. Page Dairy Company Wade and Knapp Streets Toledo, Ohio 43601

William R. Poole The Toledo Edison Company 420 Madison Avenue Toledo, Ohio 43601

John K. Davis President 420 Madison Avenue Toledo, Ohio 43601

Charles E. Flahie Executive Vice President 420 Madison Avenue Toledo, Ohio 43601

John P. Williamson Senior Vice President 420 Madison Avenue Toledo, Ohio 43601

John H. Barker Vice President, Public Relations 420 Madison Avenue Toledo, Ohio 43601

Frank W. Keith Vice President, Personnel 420 Madison Avenue Toledo, Ohio 43601

Thaddeus A. Kostanski Controller 420 Madison Avenue Toledo, Ohio 43601 Glenn J. Sampson The Toledo Edison Company 420 Madison Avenue Toledo, Ohio 43601

Willard I. Webb, III Ohio Citizens Trust Company 405 Madison Avenue Toledo, Ohio 43603

John P. Williamson The Toledo Edison Company 420 Madison Avenue Toledo, Ohio 43601

Officers

Thomas J. Kozak Vice President, Electrical 420 Madison Avenue Toledo, Ohio 43601

W. Royse Moran Vice President, Administrative Services 420 Madison Avenue Toledo, Ohio 43601

Donald G. Nicholson Secretary and Treasurer 420 Madison Avenue Toledo, Ohio 43601

William R. Poole Vice President, Marketing 420 Madison Avenue Toledo, Ohio 43601

Glenn J. Sampson Vice President, Power 420 Madison Avenue Toledo, Ohio 43601 b. Cleveland is a public utility incorporated under the laws of the State of Ohio and is engaged primarily in the generation and distribution of electricity in a 1,700 square mile area in northeastern Ohio. Cleveland provides retail power to an estimated population of 2,171,000 in the City of Cleveland and 88 other incorporated municipalities, and surrounding territory. Cleveland has a total installed generating capacity of 3,235,000 kilowatts.

Cleveland is not owned, controlled or dominated by an alien, foreign corporation, or foreign government. The names and business addresses of Cleveland's dorectors and principal officers, all of whom are citizens of the United States, are as follows:

Directors

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Ralph M. Besse The Cleveland Electric Illuminating Company 55 Public Square Cleveland, Ohio 44113

John E. Kusik The Chesapeake & Ohio Railway Co. Illuminating Company 3500 Terminal Tower Cleveland, Ohio 44113

John Lansdale, Jr. Squire, Sanders & Dempsey Union Commerce Building, Room 1857 1750 Midland Building Cleveland, Ohio 44114

Elmer L. Lindseth 55 Public Square Cleveland, Ohio 44113

Hugh D. Luke The Reliance Electric Company 24701 Euclid Avenue Cleveland, Ohio 44117

Morton L. Mandel Premier Industrial Corporation 4415 Euclid Avenue Cleveland, Ohio 44103

Robert W. Morse Case Western Reserve University 2040 Adelbert Road Cleveland, Ohio 44106

Karl H. Rudolph The Cleveland Electric 55 Public Square Cleveland, Ohio 44113

Charles E. Spahr The Standard Oil Company (Ohio) Cleveland, Ohio 44115

Herbert E. Strawbridge The Higbee Company 100 Public Square Cleveland, Ohio 44113

Richard B. Tullis Harris-Intertype Corporation 55 Public Square Cleveland, Ohio 44113

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Officers

Ralph M. Besse Chairman of the Board 55 Public Square Cleveland, Ohio 44113

Karl H. Rudolph President 55 Public Square Cleveland, Ohio 44113

Richard A. Miller Vice President-Finance 55 Public Square Cleveland, Ohio 44113

Robert M. Ginn Executive Vice President 55 Public Square Cleveland, Ohio 44113

Lee C. Howley Vice President and General Counsel 55 Public Square Cleveland, Ohio 44113

Harry T. Sealy Vice President-Operations 55 Public Square Cleveland, Ohio 44113 Harold L. Williams Vice President-Engineering 55 Public Square Cleveland, Ohio 44113

Raymond W. Wyman Vice President-Marketing 55 Public Square Cleveland, Ohio 44113

Clement T. Loshing Treasurer 55 Public Square Cleveland, Ohio 44113

> Phillip B. Perry Vice President-General Services 55 Fublic Square Cleveland, Ohio 44113

Thornton L. Thurber Controller 55 Public Square Cleveland, Ohio 44113

William R. Vogelsang Secretary 55 Public Square Cleveland, Ohio 44113

3. Class and Period of License Requested

Applicants request a class 104(b) construction permit and operating license for a period of 40 years authorizing Toledo to construct and operate the utilization facility described in Item 5 below.

4. Additional Licenses Requested

Applicants request such additional source, special nuclear, and byproduct material licenses as may be necessary and appropriate to the construction and operation of the facility.

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5. Description and Use of Facility

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The Davis-Besse Nuclear Power Station will be a nuclear electric generating station with a pressurized water reactor steam supply system. The nuclear steam supply system will be operated initially at a reactor power level of 2,633 Mwt and is ultimately expected to operate at a maximum reactor power level of 2,772 Mwt. The corresponding net electrical outputs are 872 Mwe initially and 906 Mwe ultimately.

The Davis-Besse Nuclear Power Station will be located in northcentral Ohio on the shores of Lake Erie, approximately 21 miles east of the city of Toledo.

Details concerning the station and the site are contained in the Preliminary Facility Description and Safety Analysis Report (PSAR) which constitutes a part of this application.

6. Financial Qualifications

Applicants will share undivided ownership of the station and the station site as tenants in common without right of partition. The two companies will share in the costs of construction and operation and in the energy production in proportion to their undivided ownership interests as follows:

The	Toledo Edi	lson Compa	iny		52.5%
The	Cleveland	Electric	Illuminating	Company	47.5%

- a. Estimate of Construction Costs
 - (i) Total nuclear production plant costs, including interest during construction
 - (ii) Transmission, distribution and general plant costs, including interest during construction \$ 14,030,000

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\$266,102,000

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(iii) Nuclear fuel inventory cost for first core, including interest

\$ 25,610,000

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\$305,742,000

TOTAL

The items included in the foregoing categories are the same as those defined in the applicable electric plant and nuclear fuel inventory accounts prescribed by the Federal Power Commission. The bases for such items are the contract prices, with estimated escalation, for the nuclear steam supply system and for the uranium and fabrication of the initial core, the published prices for uranium enrichment, and Toledo's estimate of the balance of plant costs.

b. Source of Construction Funds

Construction of the nuclear station will be financed as an integral part of the total construction programs of the two companies in the same general manner as other additions to their generating facilities are financed. Estimated overall construction expenditures for the sixyear period of 1970-1975 (the latest period for which budgeted figures | 10 are available) for Toledo and Cleveland are projected to total approximately \$332,279,000 and \$794,000,000, respectively. A portion of the | 10 funds required for the construction programs of the two companies will be provided from internal sources such as depreciation and retained earnings; the remainder is to be provided by issuance of new debt and equity securities and short-term borrowing.

c. Financial Statements

The 1968 and 1969 annual reports of Toledo and Cleveland are 10 attached to this application as Appendices A and B, respectively.

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7. Technical Qualifications

A description of the technical qualifications of Toledo and its principal contractors is contained in Section 1 of the PSAR. A description of Toledo's training program is contained in Section 12 or the PSAR.

8. Completion Date

The earliest completion date of the nuclear station is estimated to be April 1, 1974 and the latest completion date is estimated to be April 1, 1975.

9. Security Agreement

The application does not contain any Restricted Data or other defense information. Applicants agree that they will not permit any individual to have access to Restricted Data until the Civil Service Commission shall have made an investigation and a report to the Atomic Energy Commission on the character, associations, and loyalty of such individual, and the Atomic Energy Commission shall have determined that permitting such person to have access to Restricted Data will not endanger the common defense and security.

10. Communications

Toledo, on behalf of itself and Cleveland, will hereafter submit all further information required in connection with this application. Applicants request that all communications pertaining to this application be sent to:

> Glenn J. Sampson Vice President, Power The Toledo Edison Company 420 Madison Avenue Toledo, Ohio 43601

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In addition, it is requested that copies of each communication be sent to Toledo's counsel:

> Leslie Henry, Esq. Fuller, Seney, Henry & Hodge 800 Owens-Illinois Building 405 Madison Avenue Toledo, Ohio 43604

George F. Trowbridge, Esq. Shaw, Pittman, Potts, Trowbridge & Madden 910 17th Street, N. W. Washington, D. C. 20006

and to Cleveland's counsel:

Donald H. Hauser, Esq. The Cleveland Electric Illuminating Company P.O. Box 5000, Room 610 Cleveland, Ohio 44101

THE TOLEDO EDISON COMPANY

Vice President, Power

(Title)

Sworn to and subscribed before me, this 24th day of

196%

Notary Public

GENEVA I. LEAKE

My Commission Expires:

September 24

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

Chant Zulin By

Vice President-Engineering (Title) Sworn to and subscribed before me, this 30 th day of ____, 19<u>6</u>9. ily Audich a. Call Notary Public

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My Commission Expires: Notary F in For Could Notary F in For Could a Sounds



Patterns of Growth

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The Toledo Edison Company

1968 ANNUAL REPORT

	HIGHLIGHTS		1.1	
10-Year Growth Pattern		1968	1967	Change
93%	EARNINGS PER COMMON SHARE Up due to outstanding sales growth which more than offset the 24¢ per share effect of the 10% Federal income tax surcharge in 1968.	\$2.35	\$2.28	+ 3%
116%	DIVIDENDS PER COMMON SHARE Up for the eighth consecutive year. The quar- terly dividend declared in December was increased 3¢ to 40¢ per share. This is equiv- alent to \$1.60 on an annualized basis.	\$1.51	\$1.42	+ 6%
87%	REVENUES (Millions) Reflected continued vigorous industrial ac- tivity plus excellent growth and high usage in residential and commercial classifications. Included were about \$3 million of new short- term power sales to neighboring utilities in the latter part of year.	\$80.1	\$70.3	+14%
89%	OPERATING EXPENSES (Millions) Increased due to 10% tax surcharge, more generation, higher coal, freight and labor costs, increased property tax rates, and de- preciation on additional property.	\$63.0	\$54.8	+ 15%
120%	ENERGY SALES (Millions of Kilowatt-Hours) Established a new annual growth record due to continuously increasing sales in our ser- vice area as well as new short-term sales to neighboring utilities.	4,961	4,158	+ 19%
92%	PEAK LOAD (Megawatts) Record system peak load of 860 megawatts was established during the summer as a re- sult of accelerated industrial activity com- bined with air-conditioning loads during unusually hot, humid weather.	860	763	+13%

To Our Shareowners:

Patterns of growth—in energy sales, revenues, earnings, dividends and physical facilities—continued and was the basic theme of our operations in 1968.

The quarterly dividend declared in December was increased three cents to 40 cents per common share, marking the eighth consecutive year in which dividends have been raised. On an annual basis this is now equivalent to \$1.60 per share.

Earnings per common share in 1968 increased seven cents to \$2.35. Inflationary pressures evidenced themselves in every expense category, and the newly imposed 10 per cent Federal income tax surcharge for the full year had the effect of reducing our earnings gain by 24 cents per common share.

Annual revenues of \$80 million were 14 per cent higher than in 1967. This resulted both from a gratifying 12 per cent sales increase within our Northwestern Ohio service area along with new short-term energy sales to other Ohio utility companies.

Total energy sales amounted to nearly 5 billion kilowatt-hours, an increase of 19 per cent, the highest gain in the company's history.

A new 213,000-kilowatt generating unit, the largest on our system, was put into service in June. This highly-efficient equipment and other changes increased our net capability by over one-fourth to more than one million kilowatts, and made available the capacity of older units to help supply the power needs of other utilities on a short-term sales basis. Thus we were able to utilize our system generating capacity more fully, and profitably, than is normally the case immediately after the addition of a new unit. These sales will continue through 1969 and into 1970 at reducing levels as our own system power requirements increase.

Operating expenses increased 15 per cent in 1968. This was due not only to the 19 per cent

increased generation of energy, but also in part to continuing increases in the cost of fuel, labor and materials. Tax expense was much greater because of the new 10 per cent Federal income tax surcharge, higher taxable income, and numerous new local property tax levies passed in 1968 and effective for the full year. The completion of our new \$33 million generating unit resulted in greater depreciation charges on the increased plant investment.

Interest costs were up sharply for the year reflecting large borrowings necessary to finance the new generating unit and other necessary construction projects. Another factor was the level of interest rates.

The growth in our company's sales has been. and will continue to be, primarily the result of a sustained, aggressive marketing effort. This is concentrated upon the uses of electricity which produce high-volume sales around the clock and across the calendar, giving us a very good system load factor and thereby an efficient use of your investment. We tailor our sales program and rates to promote the all-electric concept, with a success that is evident in this year's annual report. Industrial development is another productive area of marketing concentration. New and expanded industries not only produce more kilowatt-hour sales, but also attract related industries and bring high employment, which results in boosting commercial and residential developments and customer usage.

Northwestern Ohio's thriving economy is expected to bring an eight per cent average annual kilowatt-hour sales growth in your Company's service area over the next five years, according to our most recent projections. The challenge to your management is to provide an ample supply of reliable electric power at rates to our customers that are reasonable, economically sound, and profitable yet competitive with other energy sources. Meeting such a challenge requires ac-



tion on several fronts. We are planning to invest \$188 million, under our construction program for the next five years, to provide the facilities needed to meet the growing energy demands. The largest single project is an 872,000 kilowatt nuclear power plant, the Davis-Besse Nuclear Power Station, to be situated on Lake Erie, 25 miles east of Toledo. We will build and operate this plant, sharing its cost with The Cleveland Electric Illuminating Company. We now estimate the cost at \$207 million, including \$25 million for the initial nuclear fuel loading. Toledo Edison's 52.5 per cent ownership calls for an investment on our part of \$109 million, of which \$91 million will be spent in the 1969-1973 period. This plant is scheduled for completion in 1974.

About 40 per cent of the \$188 million needed for the five-year construction program will come from internal sources. About \$20 million will be needed in 1969, of which approximately \$6 million of short-term borrowings are planned. We do not expect that long-term financing will be required before 1971.

Economic production of the large future power requirements and maximum reliability of bulk power supply calls for intercompany action in such fields as system planning, power pooling and high-voltage transmission interconnections. Substantial "economy-of-scale" benefits will result from such mutual efforts. Toledo Edison is one of five companies (CAPCO Group), serving Northern Ohio and Western Pennsylvania, which John K. Davis



are jointly planning construction of four large generating units initially, as well as interconnecting high voltage transmission lines. The Davis-Besse nuclear plant will be the fourth unit in this power-pooling arrangement. Also, we are participating in a 268-mile transmission project which will link electric systems in Ohio, Indiana and Illinois with Michigan over a 345,000-volt transmission system. It will be completed in 1969. In addition, the Company is one of 26 electric utilities involved in the East Central Area Reliability agreement, with the sole purpose of improving bulk power reliability in an 8-state area serving a population of 32 million.

As we announced to you in April, your Company and seven other utilities in Ohio, Pennsylvania and Kentucky, including the CAPCO group, are discussing possible formation of a holding company. Work is progressing on this proposed plan but it will require many more months of study before a recommendation can be made to you.

In meeting the challenges ahead, we will maintain close surveillance of our own company operation. This includes effecting economies wherever possible, combating the upward pressure of costs, and constantly surveying our rate structures and their relationship to a proper return on your investment, giving consideration to all factors involved.

In closing, let me extend appreciation of the Board of Directors and management to the many people who helped to make the year 1968 a continuation of our Patterns of Growth for Toledo Edison: our 1,600 employees, our 58,000 investors and our 225,000 customers. We appreciate the confidence our shareowners have expressed through their continued faith in the company.

Sincerely,

John K. Danis President

PATTERNS OF GROWTH:



Earnings and Dividends Grow, Despite 10% Surcharge and Mounting Costs



Earnings per share of common stock were \$2.35 compared with \$2.28 in 1967. Without the new 1968 Federal tax surcharge, earnings would have shown an exceptionally good increase of 14 per cent to \$2.59.

In December your Board of Directors voted to increase quarterly dividends on common stock three cents to 40 cents per share. This is equivalent to \$1.60 per share on an annual basis. The common dividend rate has been raised in each of the past eight years.

Revenues Move Up 14 Per Cent

The major factor in this earnings growth was a 14 per cent gain in total revenues which increased \$9.8 million, to \$80 million, in 1968. All classifications of customers showed substantial gains, including exceptionally large sales to other utilities in 1968.

The revenue from the short-term sales of power to neighboring Ohio utilities during the last half of the year totaled about \$3 million. These sales, from our older generating equipment, were made possible by the on-schedule completion in June of a new major generating unit at Bay Shore Station.

Usually the addition of a new unit is followed by a period during which system capacity is not fully utilized. However, these interim sales to other utilities enabled us to utilize more fully and profitably our total generating capacity immediately after completion of the new unit.

An outstanding revenue gain was recorded by the industrial customer classification. This revenue was up about \$3 million, or 12 per cent.

Revenues from commercial customers increased 10 per cent, well above our industry's average, or \$1.1 million, while residential revenues increased more than seven per cent, or \$1.8 million.

Operating Expenses Increase

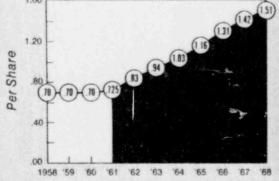
The higher level of power production, higher taxes and higher labor, material and fuel costs pushed total operating expenses up 15 per cent.

Fuel expense was up 28 per cent. About three-fourths of this increase was the result of more power generation. Virtually all of the remainder was due to higher coal costs and coal freight rates; however, most of this was offset by increased revenues resulting from application of fuel escalator clauses in most of our rates. Another factor contributing to higher fuel expense was a somewhat less efficient system heat rate. The change from 9,899 BTU per kilowatt-hour in 1967 to 10,095 BTU per kilowatt-hour in 1968 was due to more use of older, less-efficient generating units for shortterm, cost-plus power sales to other Ohio utilities.

Higher labor and employee benefit costs.

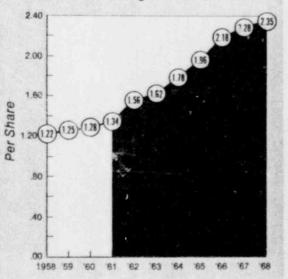
Common Dividends Declared

increased for eighth consecutive year (current quarterly rate of 40¢ equivalent to \$1.60 annually) 1.60



Earnings On Common Stock

Over 8% annual growth since 1961





plus increased prices of nearly everything we buy, were important factors in increasing operation expenses, \$1.5 million, or 12 per cent. A major factor contributing to the size of the increase was the necessary personnel training in connection with the start-up and operation costs of the new generating unit along with the operation of older generating units to provide the power for cost-plus sales to other Ohio utility companies. These and a combination of other factors made 1968 a higher-than-normal operation expense year.

Maintenance expense increased only a nominal 3 per cent, \$143,000, however, because 1968 did not see a repetition of the damaging winter storms of 1967.

Depreciation was up 12 per cent, or \$1 million, due to increased plant investment in facilities. The 1968 depreciation on the new \$33 million generating unit, in operation since June, amounted to \$590,000.

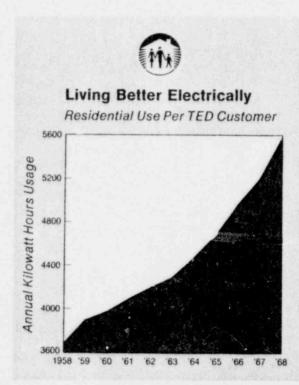
Total taxes increased \$2.6 million in 1968. Of this amount the Federal income tax surcharge was \$1.2 million. Also, higher taxable income added \$523,000 to the Federal income tax. The voters of Northwestern Ohio approved numerous property tax increases, causing a sharp rise in the 1968 general tax expense of your Company.

In addition to the operating expenses described above, bond interest expense increased \$1.3 million, or 37 per cent, due to the full-year effect of the \$35-million bond issue sold in August, 1967. This was partially offset by an increase in interest charged to construction, most of which was credited in the first half of the year while the new generating unit was still under construction.

Accounting Changes Made

Effective July 1 the annual rate of credit for interest charged to construction was increased from 6 to 6½ per cent, reflecting more nearly today's cost of money. Because the interest charges on the new generating unit ended with its completion in June, the bulk of the interest charged to construction was at the lower rate. Thus the rate change had little effect on earnings in 1968. However, it will become more important as we again move into a period of large construction expenditures.

Our book depreciation accrual rate was reduced January 1, 1969, from 3.4 to 3.2 per cent.



This depreciation reduction presently is equivalent to an expense decrease of about 12 cents per common share on an annualized basis. The change was based on results of recent studies of property service lives and other factors by independent engineering consultants. The new rate is still slightly higher than depreciation rates generally used by comparable electric utility companies.

Holding Company Study Continues

In April, 1968, we announced to you that we were involved in discussions toward the possible formation of a holding company which would encompass Toledo Edison and seven other electric companies in Ohio, Pennsylvania and Kentucky. Many more months of work and study will be required before your Board of Directors and management will be prepared to make a recommendation for your consideration. In the meantime you can be assured that we will be working toward a plan which will be in the best interest of our shareowners.

Growth Described At Financial Meetings

In 1968 your Company's management continued the program of discussing our operations and plans with members of the financial community in various cities across the country. We were privileged to again appear in New York at the invitation of the New York Society of Security Analysts. Also, as a part of our program, meetings were held before financial groups in Detroit and Cleveland. These programs are presented to keep the financial community apprised of your Company's excellent growth record and potential. PATTERNS OF GROWTH:



Record Sales Gains Achieved



Excellent progress in sales to each electric customer classification marked 1968 as a year of exceptional growth. Sales totaled nearly five billion kilowatt-hours in the year, an increase of more than 800 million kilowatt-hours for the greatest annual gain in the history of your company. Of this 19 per cent increase, almost two-thirds was provided by our own customers and the remainder by new shortterm sales to other utility systems.

In the past we have reported the success of industrial development efforts in Northwestern Ohio. A compilation of announced new plants and expansions gives some measure of the record rate at which Northwestern Ohio industry is growing. As these are completed, they are expected to add more than \$3 million a year to Toledo Edison's industrial revenues.

Such development of the general economy of Northwestern Ohio continues to be basic to our marketing philosophy. Through this industrial growth, coupled with aggressive promotional programs, sales to all classifications of our customers are stimulated. Our marketing programs are concentrated on these energy applications which are both advantageous to the customer and profitable to your Company. Special emphasis is given to the all-electric concept.

Diversity Marks Industrial Growth

In 1968 the industrial expansion of the area continued. Plans were announced for new plants to manufacture products as diverse as carbon black and noodles. We are particularly pleased that we will be serving another of the nation's foremost companies, Phillips Petroleum, which recently announced plans to construct a multi-million dollar carbon black plant and research facility in our area. Incidentally, the noodle factory, which will initially employ about 30 workers, is typical of the many small factories with growth potential which contribute to the economic vitality and diversity of the area. In addition to major manufacturing units, small industries of this type are much sought after by Toledo Edison's area development people.

The position of Toledo as one of the nation's major petroleum refining centers was further enhanced by the completion of a \$50 million expansion of Sun Oil's Toledo refinery. Petroleum refining has long been an important part of this area's economy and a major user of electric power. Because of the 24-hour-aday character of their operations and the broad diversity of products they produce, the petroleum companies provide a very desirable load for your Company.

By the end of 1968 the new machining plant of Chrysler Corporation was employing approximately 2,000 workers. Late in the year Chrysler announced plans to double the size of the plant by adding 800,000 square feet of production space. Chrysler officials predict that employment at the plant will reach 5,000 workers in the next few years.

The development of 350-acre Fort Industry Industrial Park is indicative of the growing number of smaller industries in the Toledo area. The park development is nearing full occupancy, four years ahead of schedule, with 37 firms now established there. Your Company was a leading participant in establishing and supporting the local non-profit organization which developed this park.

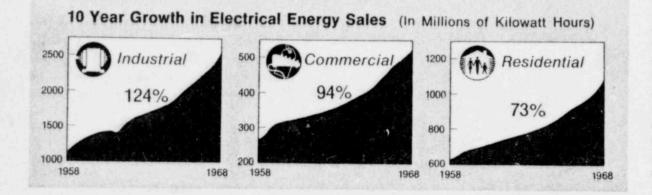
Such industrial expansion stimulates our sales growth in other ways. We are experiencing the follow-up expansion of related industries, commercial enterprises and home building.

All-Electric Concept Growing

In recognition of the economic desirability of balanced seasonal load growth, we continue to actively promote electric space heating and the all-electric concept. This concentrated marketing program has been aided by four promotional electric rate decreases which we have put into effect in the past five years and by the increasing prices of gas and other competing fuels. More than one-third of the new apartment units started in our service area last year were all-electric, as a result of our marketing concentration on this concept. Our goal is to further increase the level in construction of all-electric dwellings. By the end of 1968 there were more than 2.600 all-electric residential customers on our system. We estimate that in the coming year we will increase the number of our all-electric residential customers by about 50 per cent.

The small price differential in favor of gas versus electric heat is being narrowed con-





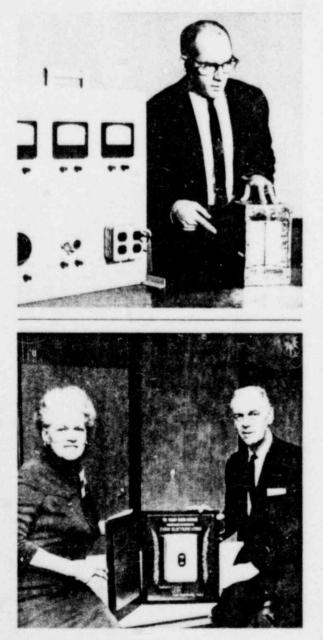


Industrial expansion provides the basis for much of the growth in kilowatt-hour sales by your Company. One of the recent new industries was Chrysler Corporation's Toledo Machining Plant which had an employment of approximately 2,000 at the end of 1968. They recently announced plans for doubling the size of the plant and forecast that employment would reach 5,000.

tinuously. Among the factors favoring electricity are lower installation and maintenance costs, cleanliness, comfort, more flexible temperature control, and silent operation.

Promotion of central, whole-house air conditioning was very successful during 1968. A major factor was a new financing plan, which we offer to customers through dealers, for purchase and installation of central air conditioning equipment. In addition, there were hundreds of room air conditioning units installed which will be producing additional revenue in future summers. In our area, electric air conditioning costs the customer less to install and operate, as well as offering the other inherent advantages, when compared with gas air conditioning.

The need for year-around climate control for greater office efficiency and higher retail sales in commercial operations is now well established. Our promotional emphasis is now concentrated on strengthening buyer preference for electric systems over those using other fuels. In 1968 we achieved a gain of about 10 per cent in the commercial air conditioning load on our system. This load is very advantageous to your Company because of the many hours of use throughout a large part of the year. It is estimated that the 1968 increase in commercial air conditioning alone will add about \$300,000 to revenues each year.



The fundamentals of electric process heating for industry were presented to representatives of area companies in an extensive course conducted by our industrial sales engineers.

We also continued our success in the field of commercial cooking with a gain in 1968 of about 10 per cent in the load of this type connected to our system. This gain is expected to yield about \$60,000 a year in revenues. Your Company again sponsored a six-day professional cooking seminar designed to directly acquaint area chefs with the advantages of electric cooking equipment. This program, which uses a nationally-recognized cooking instructor, is now being emulated by utilities in other parts of the country.

The growth in numbers and sizes of shopping centers contributed significantly to the increase in commercial revenues in 1968, and indications are that this growth will continue. By the end of 1969 we will be serving two totally enclosed controlled-environment shopping centers with a total of more than 1.5

Unique and outstandingly effective marketing techniques earned national recognition for your Company in 1968. Awards for specific programs were granted by the Association of Home Appliance Manufacturers and the Farm Electrification council. million square feet of floor space. Two other shopping centers of this type have been announced, each with more than one million square feet of space. There are several other smaller centers under construction, or planned, at locations throughout Northwestern Ohio.

Agriculture and such related businesses as food processing provide a growing source of revenue for your Company, and we devote a great deal of sales effort to this segment of the economy. For example, a recent independent study sponsored by your Company indicates that regional market conditions favor substantial expansion of electrically automated swine raising in Northwestern Ohio. Now we are presenting these facts to agribusiness groups throughout our area. A similar study of egg production made in 1966 has proved to be a most successful sales tool. This marketing approach is unique in the electric utility industry and has earned national recognition for your Company. Such highlyautomated farm installations are equivalent to small factories in the amount of electric energy which they use, and add diversity and vitality to our area economy.

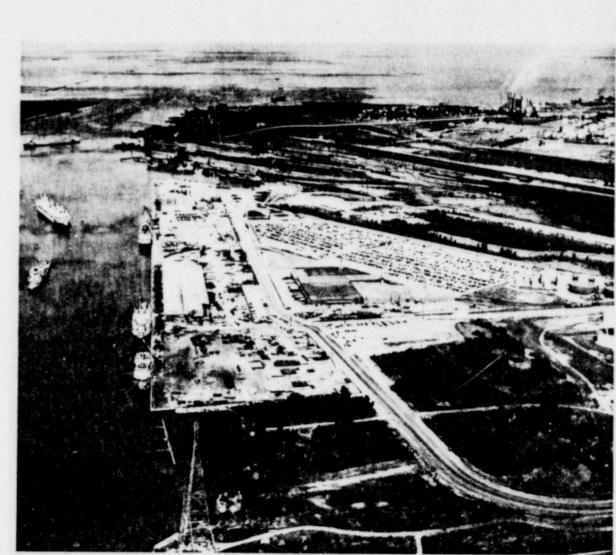
Municipal Electric System Purchased

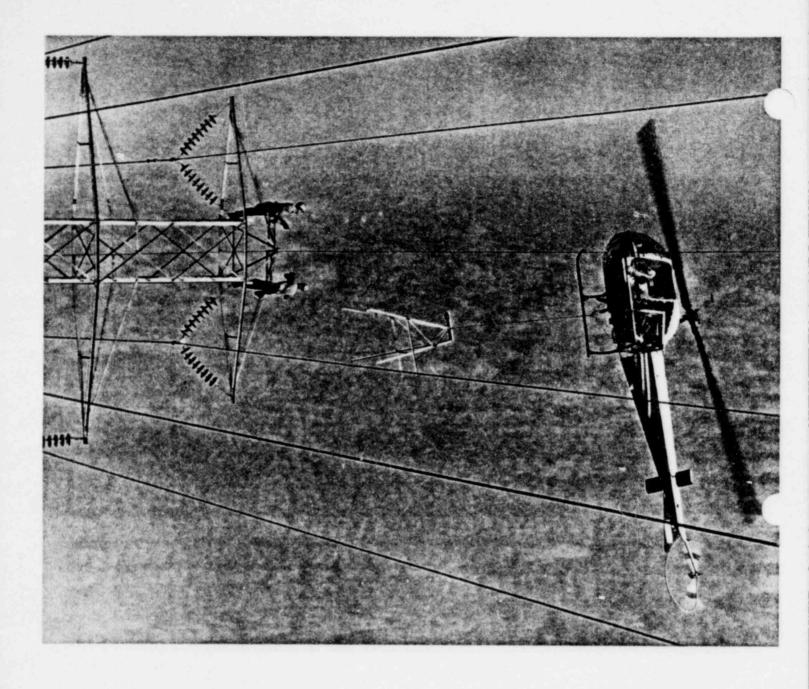
The Village of Waterville, one of the fastgrowing communities in Northwestern Ohio, was added to the Toledo Edison system in August. Our public information campaign led to a vote favoring the sale of the municipal electrical system, which serves about 900 customers. By modernizing the system, and thereby providing better service, we expect to increase the per-customer usage substantially.

1 -

Growth of facilities and increases in cargo handled is the continuing story of the Port of Toledo. Large dual-purpose carriers steamed into the port at an unprecedented rate in 1968. Many of them unloaded cargoes from overseas and then moved to nearby grain handling facilities to load for the return trip in what shippers call the "perfect turnaround." Grain movements through the Port for the year increased 50 per cent to about 2.4 million tons.

Industrial Diversity	Per Cent of Total Industrial Sales
PETROLEUM REFINING	24%
METAL CASTING, FORMING AND FABRICATING	18
FLAT GLASS, GLASSWARE AND GLASS FIBER PRODUCTION	13
MOTOR VEHICLE, COMPONENT, PART AND ACCESSORY MANUFACTURING	11
DIVERSE OTHER MANUFACTURING, including processed foods and grains, electric appliances, scales, elevators, spray equipment, machine tools and fixtures, spark plugs, and housing components	22
VARIOUS NON-MANUFACTURING, including research centers, seaport docks, railroads, pipelines and service industries	12
Total Industrial Sales	100%
WWW. Wester Definition of the second s	





PATTERNS OF GROWTH:

All-Time High Reached in Production; Generating Capacity Increased



Unprecedented growth and preparation for still further growth characterized the pattern of Toledo Edison operations in 1968. Energy output and peak electrical loads both reached all-time highs. As a result of thorough planning and preparation, meeting these demands was accomplished with a minimum of problems.

During the heat wave in August our own system peak load reached 860,000 kilowatts, an increase of nearly 13 per cent over the preceding year. In addition to meeting this peak load we were able to sell a large additional block of short-term bulk power to other Ohio utilities, bringing the total load to 1,060,000 kilowatts.

Construction expenditures totaled \$30.9 million in 1968. This amount is second only to the record high in the preceding year when the peak of cash outlays were being made on the newest generating unit at Bay Shore Station.

Modifications to transmission towers for the improvement of power reliability were accomplished more efficiently, faster and more safely with the use of a helicopter.



This 213,000-kilowatt unit, the largest on the Toledo Edison system, was put into service in June, on schedule. This unit, and other power source additions, increased your Company's net capability during the year by over one-fourth to more than 1.2 million kilowalts. This major addition of highly-efficient generating equipment to our system was made at a total cost of \$33 million. It was completed after a construction period of about 28 months despite a shortage of some types of skilled construction tradesmen. Your management anticipated this problem and pushed earlier phases of the construction ahead to avoid the competition for these workmen as the project neared completion.

Power Purchase Right Exercised

Your Company owns four percent of the common stock of the Ohio Valley Electric Corporation (OVEC) which was formed in 1952 by 15 investor-owned electric companies. OVEC built two steam generating stations with a combined capacity of 2.2 million kilowatts, to provide the power needed by the Atomic Energy Commission for operation of its Portsmouth, Ohio, gaseous diffusion plant.

In December, 1968, your Company elected to exercise its right to receive, and assumed an obligation to take and pay for, its proportionate share of OVEC power not required by the AEC plant. Our four per cent share of the available power not required by AEC will vary from time to time, but at present it amounts to approximately 60 megawatts.

The long-term power sales contracts of OVEC are designed to provide proceeds sufficient for OVEC to earn a return on its common stock after meeting all of its costs, including (in lieu of depreciation) amortization of debt capital. At December 31, 1968, debt capital of approximately \$201.5 million remained to be amortized by OVEC over the period ending in 1981.

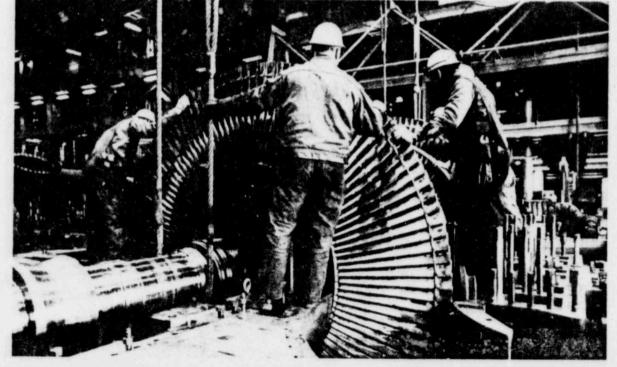
Interconnection Project Nears Completion

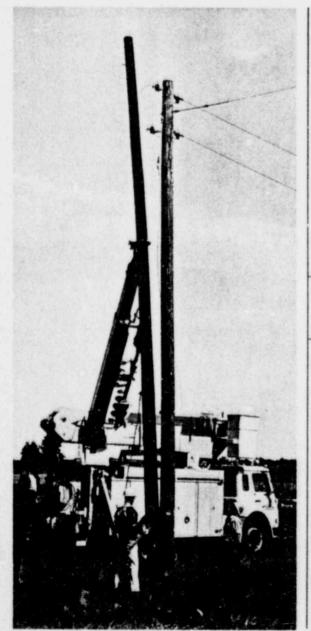
Construction began early in the year on Toledo Edison's 24-mile portion of a 268-mile regional transmission interconnection project which will link power systems in Ohio, Indiana and Illinois with those of Michigan. When completed in mid-1969, this 345,000-volt line will provide for the economical exchange of power for increased reliability.

Federal Power Commission Regulation Anticipated

Our Company will become subject to Federal Power Commission regulation when we are interconnected with the Michigan utility systems in 1969. This regulation applies generally to accounting, interstate transmission of power, sales at wholesale for resale, and certain other matters. Our 1968 sales at wholesale, aside from sales to other electric utility companies, represented about three per cent

Sections of the turbine were put in place as construction neared completion on the 213,000-kilowatt addition to Bay Shore Station. Despite its size, the turbine is as precise and finely balanced as a fine watch



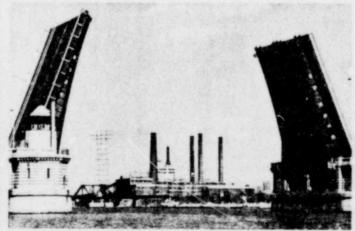




After three years of planning, design and construction on the new 213,000-kilowatt addition to Bay Shore Station, the climax came when the unit was put in service for the first time in June. Hundreds of instruments help the operators to know continuously what is happening during the complex operation of this generating unit.

This unit combining a boom-auger and a hydraulic aerial personnel lift is capable of assisting in most any distribution line maintenance or construction work. Such equipment adds to the work productivity.

Acme Power Station is a familiar landmark in the near downtown Toledo area. This plant will undergo a modernization program beginning in 1969 to increase its efficiency and to aid in the local air purity program.



of our total electric revenue. Our rates relating to retail sales, which cover the bulk of our revenue, will continue to be subject to regulation only by the Public Utilities Commission of Ohio and local authorities. (See Note 1 to the Financial Statements as to the effect of FPC regulation on accounting and other matters.)

Companies Plan Capacity Sharing

Your Company has a power-pooling understanding with The Cleveland Electric Illuminating Company, Duquesne Light Company, Ohio Edison Company and Pennsylvania Power Compay. These utilities serve much of Northern Ohio and Western Pennsylvania. The five member companies initially will build two 625,000-kilowatt and two 800,000-kilowattclass generating units as well as high-voltage transmission interconnection facilities. By sharing the power output of these large units. each company will realize substantial "economy of scale" benefits to help offset continually rising costs. On a predetermined schedule, our forecast requirements for additional generating capacity will be met as these units are completed. As a part of this understanding, we are committed to buy a portion of the generation of the first three units, starting in 1971 when the first of the generating units is scheduled for completion and continuing until 1974. The fourth unit is scheduled to be completed in 1974 and will be jointly owned by Toledo Edison and Cleveland Electric Illuminating. It will be named the Davis-Besse Nuclear Power Station. A portion of our share of the generating capacity of this unit will be sold in diminishing amounts to the other participants until we can fully utilize our share.

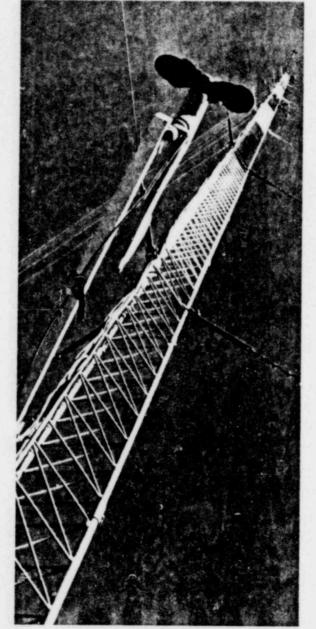


Nuclear Unit Plans Develop

Approximately \$1.4 million will be spent in 1969 on the acquisition and development of the site, and work in preparation for the construction of the Davis-Besse plant. This plant. with an initial net capability of 872,000 kilowatts, will be the first large-scale nuclear unit in Ohio. The site is approximately 25 miles east of Toledo on the shores of Lake Erie. The facility now is estimated to cost \$207 million. including initial nuclear fuel requirements of approximately \$25 million. Our 52.5 per cent ownership will require a total investment on our part of about \$109 million. An agreement with Cleveland Electric Illuminating has been executed covering construction of this jointlyowned plant, which will be built and operated by Toledo Edison.

Efforts are now being concentrated on the preparation of the application for a construction permit which must be issued by the United States Atomic Energy Commission before construction can be started. This application is scheduled to be submitted to the AEC in the late summer of 1969, and is expected to require about a year for consideration and approval.

Studies are being conducted which are designed to help the company maintain or improve the total natural environment of the area during construction and operation of the nuclear plant. One of these studies being conducted by the University of Michigan involves investigation and analysis of water conditions and fish and plant life in that portion of Lake Erie adjacent to the plant site so that ar.y serious adverse effects on this aquatic life may be avoided. Among its other purposes is to guide us in meeting water quality standards



established by the State of Ohio. Other studies underway cover the fields of meteorology, seismology, hydrology and geology.

The long lead-time needed for production of some major components of the unit required us to invite bids in the latter part of 1968. The General Electric Company was the successful bidder for the turbine-generator and Babcock and Wilcox Company has been selected to manufacture the nuclear reactor and steam supply system, and to provide the initial fuel. Letters of intent covering these three major components total about \$78 million.

Concurrent with preparations for the construction of the plant is the training of personnel for its operation. Some of our technical and professional people who are now participating in special nuclear training courses are building on the knowledge gained through your Company's many years of participation in the design and construction of a developmental nuclear power project, the Enrico Fermi Atomic Power Plant in Michigan, 26 miles north of Toledo.

Construction To Total \$20 Million In 1969

Construction plans for 1969 call for the expenditure of about \$20 million, including \$1.4 million for the Davis-Besse plant. The major portion will be spent on the general expansion and improvement of lines and other electrical transmission and distribution facilities. Among the larger projects included in the 1969 plans

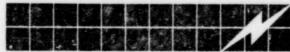
A tower at the site of the Davis-Besse Nuclear Power Station supports devices for gathering meteorological data. This is a part of a series of air, water and land studies designed to help Toledo Edison maintain or improve the total natural environment of the area. is the beginning of construction of a new general headquarters building in downtown Toledo. Another involves the addition of electrostatic precipitators to three of the boilers at Acme Station, near downtown Toledo, and the replacement of four old coal stoker units with new oil-fired boilers. These modifications to this older power plant will improve substantially the control of air purity. These changes also will make it possible to put the new Acme boilers into service faster during periods of peak load.

Growth Requires Some Outside Financing

Financing of construction in 1968 was accomplished through funds remaining from a \$35 million issue of 61/8 per cent bonds in late 1967, funds provided from internal sources, and from \$5.5 million of short-term borrowings. These short-term borrowings included the issuance of unsecured notes ("commercial paper") sold nationally through an investment banking firm. They were given the top "prime rating" by a national credit rating agency. This is the first time that we have used this source of funds, which has only been available to utilities in very recent years. Through their use we were able to achieve a lower interest cost than available from other types of borrowing.

Construction plans in the next five years call for the expendit: e of about \$188 million. About 40 per cent of the money required in this five-year program will come from internal sources. Of the \$188 million, approximately \$20 million will be spent in 1969, when approximately \$6 million in additional short-term borrowing will be required. We do not anticipate requiring long-term financing before 1971.

PATTERNS OF GROWTH:



Executive Responsibilities Realigned



A realignment of top executive responsibilities followed the July retirement of Senior Vice President and General Manager Alois Hoefle.

Mr. Hoefle's retirement concluded a 45year career in the electric utility industry. He had held numerous engineering and executive positions with Toledo Edison and previously-associated companies before being named senior vice president and general manager in 1965. In the latter position he was responsible for the administrative direction of most of the company activities. He had been a director of the Company since 1961.

The responsibilities of Charles E. Flahie, executive vice president, were enlarged to



Charles E. Flahie



John P. Williamson

encompass the operations of the personnel and the claims and real estate areas, as well as the electrical and power groups, and the Company's three outlying districts. Mr. Flahie has held numerous engineering and operating posts, and was named a vice president in 1962. He was elected executive vice president and a director of the Company in 1965.

John P. Williamson was elected senior vice president with responsibility for the marketing, public relations and administrative services groups, as well as the financial and the accounting groups of the Company. Mr. Williamson, a certified public accountant, held several key positions within the financial, accounting and administrative systems areas before being named vice president, finance, in 1965. He has been a director of the Company since 1962.

Donald G. Nicholson, secretary and treasurer, was given additional responsibilities and became chief financial officer of the Company. T. A. Kostanski, controller, was assigned additional duties and was designated the chief accounting officer.

The 16 members of our top executive group —made up of officers, executive staff members and district managers—average 52 years of age. Their ages range from 42 to 62.

New Directors Elected

Willard I. Webb, III, president of The Ohio Citizens Trust Company in Toledo, was elected to the Board of Directors in May to succeed the late James V. Davidson. Mr. Webb is active in northwestern Ohio business, civic and charitable activities, and has served since 1963 on the Banking Board of the State of Ohio. Mr. Davidson, who served on the Edison board for more than 17 years, was chair-



man of the board of the First Federal Savings and Loan Association of Toledo.

Clenn J. Sampson, vice president, power, was elected to the Board of Directors effective July 1, to fill the vacancy created by Mr. Hoefle's retirement, Mr. Sampson held several engineering and supervisory posts, including that of superintendent of power production, before being named a vice president in 1964.

Labor Agreements Negotiated

Separate labor agreements were signed during 1968 with the unions representing Toledo Edison operating and office employees. Increases negotiated in wages and employee benefits averaged 6.8 per cent.

Recruiting and Training Emphasized

As our business grows and becomes more complex, the need for highly qualified, college-trained employees continues to increase. Attracting people with the potential for management positions is increasingly competitive as the national economy continues to expand. Because of the importance of providing adequate numbers of potential managers in the organization, interviews are conducted throughout the year with seniors in colleges and universities, primarily in the Midwest. Summer employment is provided for undergraduates selected as potential full-time employees.

For many years your Company has had a continuing program aimed at preparing younger men for added responsibilities in management. Selected employees are enrolled in specialized management development courses. Educational assistance from the Company is available to every employee who wishes to enroll in an authorized course of study for advancement. Under this educational assistance plan, the Company bears a major portion of the cost of work-related academic courses. Many employees are enrolled in undergraduate courses and a number of our professional people have earned advanced academic degrees under this program.

All-Time Safety Record Set

Safety is an important part of every job at Toledo Edison and is actively promoted by your management. It was a source of great pride when an all-time company record of 1,845,206 manhours worked, equal to nearly seven months, without a lost-time accident was established during the past year. The Ohio Electric Utility Institute has given your Company the award for having the best safety record in 1968 of the seven Ohio electric utilities competing for the award. Your Company also achieved the best motor vehicle operation safety record in the group.

Good Corporate Citizenship Maintained

The good public relations we enjoy throughout our service area has not come about by accident. We work hard at developing and maintaining these relations. Being a good corporate citizen is one of our basic policies. We encourage our employees to participate in civic, charitable, educational and cultural community activities.



An open house, following completion of the new expansion of Bay Shore Station, gave employees an opportunity to tour the facility.



About 90 school teachers were given a tour and held discussions on your company and the workings of the free-enterprise system on the occasion of the annual Business-Industry-Education day.

DIRECTORS











John D. Biggers





Seated: John K. Davis Standing: Charles E. Flahie, John P. Williamson



Jules D. Lippmann

Sealed: Samuel G. Carson, J. Preston Levis, Henry A. Page, Jr. Standing: William R. Poole

BOARD OF DIRECTORS

JOHN D. BIGGERS,* Retired, Honorary Director and formerly Chairman and President, Libbey-Owens-Ford Company SAMUEL G. CARSON, President, The Toledo Trust Company JOHN K. DAVIS,* President CHARLES E. FLAHIE.* Executive Vice President FRED E. FULLER, Senior Partner, Fuller, Seney, Henry & Hodge VIRGIL A. GLADIEUX,* President, Ogden Foods, Inc. WILLIAM M. HANKINS, JR.,* President, The Kiemle-Hankins Company J. PRESTON LEVIS, Chairman of the Executive Committee, Owens-Illinois, Inc. JULES D. LIPPMANN, Consultant to Chemical-Plastics Division, The General Tire and Rubber Company W. ROYSE MORAN, Vice President, Administrative Services HENRY A. PAGE, JR., President, The Page Dairy Company WILLIAM R. POOLE, Vice President, Marketing GLENN J. SAMPSON, Vice President, Power WILLARD I. WEBB, III, President, The Ohio Citizens Trust Company JOHN P. WILLIAMSON, Senior Vice President *Members of Executive Committee

OFFICERS AND EXECUTIVE STAFF

JOHN K. DAVIS, President CHARLES E. FLAHIE, Executive Vice President JOHN P. WILLIAMSON, Senior Vice President

JOHN H. BARKER, Vice President, Public Relations FRANK W. KEITH, Vice President, Personnel THADDEUS A. KOSTANSKI, Controller THOMAS J. KOZAK, Vice President, Electrical W. ROYSE MORAN, Vice President, Administrative Services DONALD G. NICHOLSON, Secretary and Treasurer WILLIAM R. POOLE, Vice President, Marketing GLENN J. SAMPSON, Vice President, Power

H. KENNY BURCH, Manager, Eastern District JOHN B. CLOER, Manager, Southern District HOWARD B. FOX, Assistant to the President JAMES S. GRANT, Manager, Western District WILLIAM H. SCHWALBERT, Assistant to the President

CLAUDE L. LEWIS, Assistant Secretary and Assistant Treasurer DONALD H. SAUNDERS, Assistant Controller EXECUTIVE OFFICES 420 Madison Avenue Toledo, Ohio 43601 Phone (419) 242-5731

STOCK TRANSFER AGENTS THE TOLEDO TRUST COMPANY Toledo, Ohio 43603 MORGAN GUARANTY TRUST COMPANY OF NEW YORK, New York, N.Y. 10015

STOCK REGISTRARS THE OHIO CITIZENS TRUST COMPANY Toledo, Ohio 43603 MANUFACTURERS HANOVER TRUST COMPANY, New York, N.Y. 10022

DIVIDEND DISBURSING AGENT THE TOLEDO TRUST COMPANY Toledo, Ohio 43603

MORTGAGE TRUSTEE THE CHASE MANHATTAN BANK (NA) New York, N.Y. 10015

AUDITORS ARTHUR ANDERSEN & CO. Cleveland, Ohio 44114

GENERAL COUNSEL FULLER, SENEY, HENRY & HODGE Toledo, 24io 43604

STOCK LISTING COMMON Listed NEW YORK STOCK EXCHANGE MIDWEST STOCK EXCHANGE AMSTERDAM STOCK EXCHANGE Unlisted Trading Privileges BOSTON STOCK EXCHANGE CINCINNATI STOCK EXCHANGE DETROIT STOCK EXCHANGE

PREFERRED---41/4 % Unlisted Trading Privileges AMERICAN STOCK EXCHANGE



FINANCIAL AND STATISTICAL SECTION

Pages 18 through 23

ASSETS

Utility Plant	1968 Thousands	1967 s of Dollars
In service, at cost (Note 1) Less accumulated provision for depreciation	318 239 81 203	269 882 73 443
	237 036	196 439
Construction work in progress	11 524	31 344
	248 560	227 783
Current Assets		
Cash	3 089	4 237
Temporary cash investments		10 702
Accounts receivable	9 135	7 657
Fuel for use in power plants	2 649	2 3 2 2
Materials, supplies and other current assets	7 538	7 106
	22 411	32 024
Investments and Other, at cost		
Ohio Valley Electric Corporation (Note 2)	718	718
Area development and other	790	914
	1 508	1 632
Total Assets	272 479	261 439

LIABILITIES

1968 Thousands	1967 of Dollars
81 965 31 000 121 089 234 054	77 626 31 000 121 552 230 178
4 000 1 500 4 781 13 051 5 387 28 719	4 689 12 910 5 023 22 622
5 731 3 294 681 9 706 272 479	6 053 1 900 686 8 639 261 439
	Thousands 81 965 31 000 121 089 234 054 4 000 1 500 4 781 13 051 5 387 28 719 5 731 3 294 681 9 706

NOTES TO FINANCIAL STATEMENTS, December 31, 1968

1 Federal Power Commission Jurisdiction

18

Upon completion of the Michigan interconnection in 1969 referred to on Page 11, the Company will become subject to regulation under the Federal Power Act by the Federal Power Commission (FPC) as to accounting, interstate transmission of power, sales at wholesale for resale, and certain other matters. The Company will continue to be subject to regulation by The Public Utilities Commission of Ohio (PUCO) and local authorities, including regulation of retail rates, which cover the bulk of the Company's sales. Federal regulation will include a requirement that the Company's electric plant accounts be stated at "original cost" (defined by the FPC as the cost of property to the person first devoting it to public service). The plant accounts are now stated at cost, but not necessarily at "original cost" in some instances. In prior years more than \$14 million was eliminated from plant accounts with the approval of the PUCO. Ohio rate regulation is based upon the "reproduction cost" of property. The PUCO does not require a determination of "original cost" and no complete "original cost" study has been made by the Company. No prediction can be made at this time as to the effect, or timing, of a restatement of all electric properties on an "original cost" basis. The FPC also may require that the \$3,945,000 mentioned in Note 6 be restored from Earnings Reinvested to a reserve account.

2 Ohio Valley Electric Corporation

The Company, beginning in December, 1968, exercised its right to receive, and assumed an obligation to take and pay for, a 4% proportionate share of available Ohio Valley Electric Corporation power not required for supplying the needs of an Atomic Energy Commission Plant under a long-term contract. See Page 11 for further detail.

3 Investment Tax Credits

The Company is amortizing each year's in-

vestment tax credits based on the service lives of the property involved.

4 Retirement Income Plan

The Company has a retirement income plan which covers all employee groups. Net plan cost, after employee contributions, was \$980,000 for 1968. The Company's policy is to fund annual costs as accrued each year, including amortization of unfunded liabilities over a 20-year period. The net unfunded actuarial liability under the plan aggregated \$5,750,000 as of December 31, 1968.

5 Depreciation

Depreciation rates used in determining book *depreciation provisions are based upon agelife studies and averaged 3.4% for 1968 and

RESULTS OF OPERATIONS

for the years ended December 31, 1968 and 1967

Operating Revenues	1968 Thousand	1967 s of Dollars	Increase (Decrease)
Electric	78 083	68 389	14
Gas	1 201	1 136	6
Steam heating	806	767	5
Total operating revenues	80 090	70 292	14
Operating Expenses		and the second second	1.
Fuel used in power plants	12 693	9 923	28
Purchased power	4 395	4 189	5
Other operation expenses (Note 4)	13 987	12 505	12
Maintenance	4 356	4 213	3
Depreciation provisions (Note 5)	9 6 1 4	8 6 1 4	12
Taxes (Notes 3 and 6; Detail on Page 21)	18 001	15 375	17
Total operating expenses	63 046	54 819	15
Operating Income	17 044	15 473	10
Interest and Other			
Interest on long-term debt	4 957	3 617	37
Interest on short-term notes	125	131	(5)
Interest during construction	(1081)	(818)	32
Investment income and other-net	(421)	(578)	(27)
Total interest and other	3 580	2 352	52
Net Income	13 464	13 121	3
Preferred stock dividends	1 333	1 333	
Earnings On Common Stock	12 131	11 788	3
Earnings Per Common Share	\$ 2.35	\$ 2.28	3



T. A Kostanski, controller, left, discusses accounting applications with the director of electronic data processing to assure the most accurate and timely information possible to aid management in making their decisions.

1967. The book depreciation rate was reduced January 1, 1969 to 3.2% based upon recent studies by independent consulting engineers. This depreciation reduction presently is equivalent to an expense decrease of about 12 cents per common share on an annualized basis. Rates used in computing depreciation for Federal income tax purposes are based upon standard tax "Guideline Lives" and averaged 3.5% for 1968 and 1967, before adjustment for double declining balance depreciation.

6 Federal Income Taxes

Based upon Ohio court and commission decisions, the Company is of the opinion that taxes deferred resulting from the use of accelerated depreciation will be recoverable out of future revenues. Accordingly, pursuant to an order of The Public Utilities Commission of Ohio, the Company stopped providing for such deferred taxes in 1962 (I.e., adopted flow-through accounting) and, in effect, made the change retroactive by transferring to Earnings Reinvested the \$3,945,000 of reserve for these deferred taxes accumulated from 1954 through 1961. The use of flow-through accounting lessened the provision for Federal income taxes by \$1,382,000 in 1968 and \$928,000 in 1967. The accumulated amount of such reductions from January 1, 1962 through December 31, 1968 totals \$7,089,000.

7 Power Pooling

The Company has reached an understanding with four other utilities (CAPCO Group) involving substantial future commitments for joint participation in additional power generation and transmission facilities. Plans include construction of the Davis-Besse Nuclear Power Station, scheduled for completion in 1974. The Company is building the 872,000-kilowatt plant and it will be jointly owned with The Cleveland Electric Illuminating Company. The facility now is estimated to cost about \$207 million, including about \$25 million for the initial nuclear fuel requirements. The Company's 52.5% ownership will require a total investment on its part of about \$109 million. See Page 12 for further detail.

8 Proposed Holding Company

The Company and seven other Ohio, Pennsylvania, and Kentucky electric utility companles are undertaking to work out a plan to establish a holding company system. See Page 5 for further detail.

9 References To Report

Reference is also made to the following subjects in the report: construction program (\$188 million in 1969-1973), Page 14, and financing plan, Page 14.

The additional information presented on pages 20 and 21 is an integral part of the statements on pages 18 and 19.

SOURCE AND APPLICATION OF FUNDS

for the years ended December 31, 1968 and 1967

	1968	1967
	Thousand	s of Dollars
Source of Funds		
Earnings on common stock	12 131	11 788
Income charges not requiring current funds:		
Depreciation provisions	9 6 1 4	8 614
Investment tax credits (nat)	1 394	279
Principal amount of first mortgage bonds	-	35 000
Sale of temporary investments	10 702	-
Short-term borrowings	5 500	
Other changes	121	(566)
	39 462	55 115
Application of Funds		
Additions to utility plant	30 885	36 505
Dividends on common stock	7 792	7 205
Purchase of temporary investments	-	10 702
Acquisition of mortgage bonds for sinking		
fund purposes	463	381
Payment of Federal income taxes deferred		
in prior years	322	322
	39 462	55 115

EARNINGS REINVESTED

for the years ended December 31, 1968 and 1967

	1968	1967
	Thousand	s of Dollars
BALANCE, Beginning of year	41 749	37 166
Earnings on common stock	12 131	11 788
	53 880	·48 954
Common stock dividends declared, \$1.51 per share in 1968 and \$1.42 in 1967, net		
of unclaimed prior dividends	7 792	7 205
BALANCE, End of year (Notes 1, 6 and a)	46 088	41 749
00		

CAP!TALIZATION

December 31, 1968 and 1967

	1968		1967	
0	Thou	isands o	Dollars	
Common Stock Equity				
Common stock, \$5 par, authorized 7,500,000	05 004			
shares, outstanding 5,160,125 shares	25 801		25 801	
Premium on capital stock Earnings reinvested (Notes 1, 6 and a)	10,076		10 076	
Earnings reinvested (Notes 1, 6 and a)	46 088		41 749	
	81 965	35%	77 626	34%
Cumulative Preferred Stock, \$100 par,				
authorized 500,000 shares				
Redemption price				
Series outstanding (per share)				
41/4 %, 160,000 shares \$104.621/2	16 000		16 000	
4.56%, 50,000 shares 101.00	5 000		5 000	
4.25%, 100,000 shares 102.75 (Note b)	10 000		10 000	
	31 000	13%	31 000	13%
First Mortgage Bonds, excluding bonds acquired				
and held for sinking fund purposes (Note c)				
Series outstanding				
2% %, due 1977	28 103		28 416	
31/8 %, due 1978	4 3 3 6		4 436	
3%, due 1979	2 150		2 200	
21/8 %, due 1980	7 500		7 500	
3%%, due 1984	14 000		14 000	
3%%, due 1986	15 000		15 000	
4%, due 1988	15 000		15 000	
61/8 %, due 1997	35 000		35 000	
	121 089	52%	121 552	53%
Total Capitalization	234 054	100%	230 178	100%

NOTES:

(a) Under provisions of the articles of incorporation, \$14,820,000 is not available for cash dividends on common stock.

(b) Redemption price \$102.00 per share after December 1, 1969.

(c) Current annual interest requirement on bonds is \$4,946,000.

The notes on pages 18 and 19 are an integral part of these statements.

TAXES

for the years ended December 31, 1968 and 1967

	1968	1967	Increase
	Thousand	s of Dollars	(Decrease)
Federal Income Taxes (Notes 3 and 6)			
Payable direct—income tax	8 388	8 978	
-tax surcharge	1 238		C. L. Martin
Payable by application of investment tax credit	1 465	352	100.01
Total Federal income taxes payable	11 091	9 330	1.00
Amortization of prior years' accumulated provisions:			
Investment tax credits	(71)	(73)	121.1.1.1.
Deferred taxes-accelerated amortization	(322)	(322)	1
Total Federal income taxes	10 698	8 935	20
General Taxes			
Local property	5 196	4 512	15
State excise	2 059	1 886	9
Other	48	42	14
Total general taxes	7 303	6 440	13
TOTAL TAXES	18 001	15 375	17

AUDITORS' REPORT



To the Share Owners and Board of Directors:

We have examined the balance sheet and statement of capitalization of The Toledo Edison Company (an Ohio corporation) as of December 31, 1968, and the related statements of results of operations, taxes, earnings reinvested, and source and application of funds for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. We have previously examined and reported on the financial statements for the preceding year.

In our opinion, the accompanying financial statements referred to above present fairly the financial position of The Toledo Edison Company as of December 31, 1968, and the results of its operations and the source and application of funds for the year then ended, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Cleveland, Ohio, February 5, 1969

Jethur Inderson & Co.



121.1.

Donald G. Nicholson, secretary and treasurer, left, communicates with local stock brokers and with members of the financial community throughout the country to answer their questions and keep them informed of the progress of your company.

ELECTRICAL a statistical review

	OPERATING REVENUES in thousands of dollars and per cent of total											CU	STOMERS	RESIDENTIAL				
Year	Resi- dential	%	Com- mercial	%	Industrial	%	Other Utilities	%	Other	%	Total Electric	Resi- dential	Com- mercial	Industrial, Utilities, & Other	Total Electric	KWH Per Customer	Price Per KWH (Cents)	Revenue Per Customer (Dollars)
1968	25 588	33	12 705	16	28 482	36	3 089	4	8 219	11	78 0P3	195 737	19 570	4 191	219 498	5 596	2.36	132.23
1967	23 814	35	11 565	17	25 504	37	32		7 474	11	68 389	191 881	19 178	4 101	215 160	5 207	2.40	124.90
1966	22 751	35	11 026	17	24 199	38	18	_	6 889	10	64 883	189 704	18 892	4 081	212 677	4 977	2.43	120.84
1965	21 339	36	10 332	17	21 920	37		-	6 130	10	59 721	186 498	18 711	3 922	209 131	4 689	2.45	115.94
1964	20 469	36	10 354	18	20 516	36			5 770	10	57 109	181 968	18 349	3 874	204 191	4 482	2.53	113.30
1963	19 536	36	9 725	18	19 378	36	- 1		5 421	10	54 060	179 422	18 073	3 846	201 341	4 298	2.55	109.71
1962	18 827	36	9 338	18	18 4 19	36		-	5 188	10	51 772	177 100	17 752	3 822	198 674	4 201	2.54	106.82
1961	17 352	36	8 796	18	17 599	36		_	4 8 1 9	10	48 566	175 826	17 701	3 735	197 262	4 107	2.42	99.19
1960	16 318	35	8 289	18	18 078	38			4 454	9	47 139	174 383	17 837	3 580	195 800	3 984	2,36	94.14
1959	15 819	35	8 0 1 0	18	17 423	38		-	4 045	9	45 297	172 347	17 633	3 561	193 541	3 899	2.37	92.53
1958	14 941	36	7 380	18	15 576	37	-	-	3 689	9	41 586	169 699	17 614	3 5 1 4	190 827	3 698	2.40	88.61

		SALES-	MKWH (thous	ands of kilo	watt hours)		SOURCE OF ELECTRICAL LOAD-MEGAWATTS ENERGY-MKWH						PRODUCTION				
				1-22				Purchased				Sys	tem	Fueld			
Year	Resi- dential	Com- mercial	Industrial	Other Utilities	Other	Total	Generaled (Net)	and Inter- changed (Net)	Total	Capa- bility (Yr. End)	Total Peak Load	Peak Load	Load Factor (%)	KWH (Mills)	Million BTU (Cents)	BTU per KWH*	
1968	1 082 854	529 902	2 572 351	318 503	456 946	4 960 556	4 386 487	895 222	5 281 709	1 256	1 060	860	66	2.9	28.6	10 094	
1967	992 869	477 349	2 266 027	5 563	416 656	4 158 464	3 598 427	860 678	4 459 105	940	784	763	67	2.7	27.5	9 899	
1966	937 093	447 422	2 124 927	1 636	380 316	3 891 394	3 998 833	215 485	4 214 318	925	779	716	67	2.8	27.9	9 93	
1965	862 946	408 682	1 877 284	-	334 718	3 483 630	3 733 426	33 665	3 767 091	797	653	653	66	2.7	27.4	9 835	
1964	809 647	379 090	1 749 965	-	301 152	3 239 854	3 440 164	42 859	3 483 023	780	593	593	67	2.6	27.1	9 704	
1963	765 261	353 742	1 638 012	-	290 056	3 047 071	3 248 477	45 245	3 293 722	780	568	568	66	2.7	26.8	9 910	
1962	740 322	338 475	1 520 055	-	276 215	2 875 067	3 056 592	50 487	3 107 079	644	522	522	68	2.8	27.3	10 299	
1961	718 460	325 470	1 393 045	_	254 422	2 691 397	2 869 731	48 711	2 918 442	652	505	505	66	2.9	28.7	10 232	
1960	690 696	313 784	1 436 818	- 1	236 877	2 678 175	2 841 431	59 052	2 900 483	652	501	501	66	3.1	29.3	10 455	
1959	666 517	301 293	1 370 650	-	229 743	2 568 203	2 705 009	69 368	2 774 377	652	482	482	66	3.1	29.8	10 542	
1958	623 619	272 371	1 153 056	12-1	202 651	2 251 697	2 404 149	59 205	2 463 354	517	449	449	62	3.4	30.5	11 124	

*1968 reflects more use of older, less efficient generating units for cost-plus power sales to neighboring utilities.

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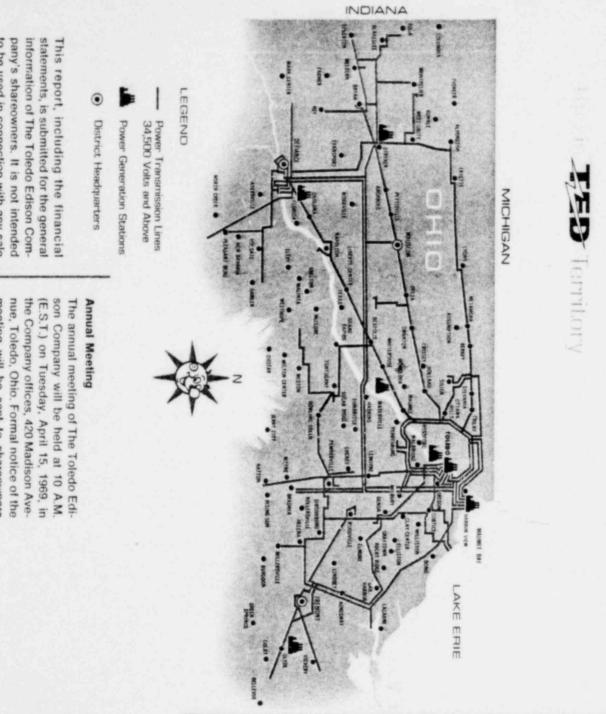


FINANCIAL a statistical review* in thousands of dollars

		UTILITY P			CAPITALIZA	NON A	COMMON STOCK (5,160,125 Shares-All Years) DOLLARS PER SHARE									
Year	Plant In Service	Accumulated Provision For Depreciation	Depreciation As % Of Plant	Annual Construction Expenditures	Common Stock Equity	%	Cumulative Preferred Stock %		Long Term Debt	%	Total	Eanlings	Market Price Range High Low		Book Value	Dividends Declared
1968	318 239	81 203	26	30 885	81 965	35	31 000	13	121 089	52	234 054	2.35	38	30	15.88	1.51
1967	269 882	73 443	27	36 505	77 626	34	31 000	13	121 552	53	230 178	2.28	42	29	15.04	1.42
1966	260 274	67 375	26	15 177	73 043	38	31 000	16	86 933	46	190 976	2.18	41	29	14.16	1.31
1965	249 382	61 889	25	13 586	68 572	37	31 000	16	87 222	47	186 794	1.96	41	32	13.29	1.16
1964	242 584	56 880	23	6 655	64 468	35	31 000	17	87 599	48	183 067	1.78	35	29	12.49	1.03
1983	239 914	51 986	22	11 192	60 609	34	31 000	17	88 121	49	179 730	1.62	31	26	11.75	.94
1962	215 061	48 343	22	21 104	57 090	32	31 000	18	88 594	50	176 684	1.56	27	20	11.06	.83
1961	210 709	43 818	21	8 925	56 308	32	31 000	18	88 689	50	175 997	1.34	28	19	10 91	.725
1960	206 113	38 731	19	6 051	53 430	31	31 000	18	89 420	51	173 850	1.28	20	15	10.35	.70
1959	200 992	34 244	17	7 020	50 750	30	31 000	18	89 681	52	171 431	1.25	17	15	9.84	.70
1958	174 523	30 165	17	17 282	48 280	29	31 000	18	90 210	53	169 490	1.22	16	12	9.36	.70

	TOTAL	-	EXPENSES and Operating Ratios to Revenues														INCOME					
Year	Electric, Gas and Steam Heating	Fuel	%	Pur- chased Power	%	Opera- tion	%	Mainte- nance	%	Depre- ciation	%	General Taxes	%	Federal Income Taxes	%	Total Operating Expenses	%	Oper- ating Income	Debt Interest & Other (Net)	Construc- tion Interes: (Credit)	Net Income	Earnings On Common Stock
1968	80 090	12 693	16	4 395	6	13 987	18	4 356	5	9 6 1 4	12	7 303	9	10 698	13	63 046	79	170 44	4 661	1 081	13 464	12 131
1967	70 292	9 923	14	4 189	6	12 505	18	4 213	6	8 614	12	6 440	9	8 935	13	54 819	78	15 473	3 170	818	13 121	11 788
1966	66 770	11 173	17	932	2	12 165	18	3774	6	8 280	12	6 224	S	9 301	14		78	14 921	2 557	200	12 564	11 231
1965	61 546	10 175	17	178	0	11 584	19	3 745	6	8 065	13	5 671	9	8 308	14		78	13 820	2 460	62	11 422	10 089
1964	58 808	9 205	16	266	0	11 167	19	3 656	6	7 578	13	5 737	10	8 056	14	45 665	78	13 143	2 660	24	10 507	9 174
1963	55 736	8 847	16	273	1	10 764	19	3 082	6	7 137	13	5 564	10	7 976	13	43 643	78	12 093	2 830	440	9 703	8 370
1962	53 435	8 762	16	286	0	10 024	19	3 559	7	6 659	13	4 926	9	7 775	15	41 991	79	11 444	2 689	615	9 370	8 037
1961	50 160	8 681	17	284	1	9 553	19	3 268	7	5 903	12	4 6 18	9	7 171	14	39 478	79	10 682	2 5 16	100	8 266	6 933
1960	48 661	8 9 1 4	18	329	1	9 3 3 3	19	3 284	7	5 340	11	4 503	9	6 383	13		78	10 575	2 677	42	7 940	6 607
1959	46 697	8 650	19	358	1	9 059	19	3 194	7	4 842	10	4 066	9	6 166	13		78	10 362	2 868	281	7 775	6 442
1958	42 868	8 268	19	332	1	8 550	20	2 /14	6	4 272	10	3 806	9	5 425	13	33 367	78	9 501	2 850	1 002	7 653	6 320

*Federal income taxes deterred through use of accelerated depreciation are "flowed-through" into earnings (1958-61 restated).



or purchase of any securities. to be used in connection with any sale

meeting will be sent to shareowners with the proxy statement.

> BULK RATE Permit No. 2300 Toledo, Ohio PAID

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The

420 Madison Avenue · Toledo, Ohio 43601

3do Edison Company

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