



# Duquesne Light

Nuclear Division  
P. O. Box 4  
Shippingport, PA 15077-0004

Telephone (412) 393-6000

August 29, 1984

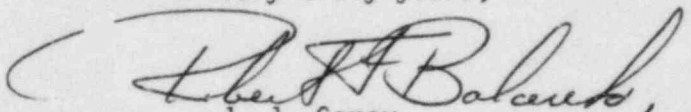
Director of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Attn: Mr. Steven A. Varga, Chief  
Operating Reactors Branch No. 1  
Division of Licensing  
Washington, DC 20555

Reference: Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-66  
Licensee Financial Information - 1983

Gentlemen:

Forwarded herewith for your information and use are ten (10) copies each of the annual financial reports of Duquesne Light Company, Ohio Edison Company and Pennsylvania Power Company. These reports are filed with your office for Licensees of Beaver Valley Power Station, Unit No. 1 in accordance with 10 CFR 50.71b.

Very truly yours,


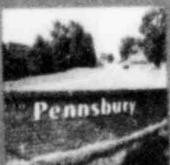



  
J. J. Carey  
Vice President, Nuclear *for*

cc: Mr. W. M. Troskoski, Resident Inspector  
U. S. Nuclear Regulatory Commission  
Beaver Valley Power Station  
Shippingport, PA 15077

U. S. Nuclear Regulatory Commission  
c/o Document Management Branch  
Washington, DC 20555

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Serving  About  
150  Villages,  
Boroughs,   
 Townships  
And Cities.  
All  Different.

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# Financial and Operating Highlights—1983

Financial	1983	1982	Percent Change
Electric Operating Revenues (000)	\$ 598,325	\$ 746,482	+ 7.2
Income From Continuing Electric Operations (000)	\$ 148,336	\$ 117,197	+21.9
Net Income (000)	\$ 148,336	\$ 116,082	+24.5
Earnings Per Share of Common Stock From Continuing Electric Operations	\$2.20	\$1.96	+12.2
Dividends Paid Per Share of Common Stock	\$1.975	\$1.90	+ 3.9
Shares of Common Stock Outstanding at Year End	68,119,889	58,279,525	+ 9.7
<b>Operating</b>			
Electric Plant (000)	\$ 3,393,681	\$ 3,084,554	+ 9.9
MWH Sales	10,909,239	11,037,881	- 0.4
Peak Load Megawatts	2,164	2,158	+ 1.2
Cost of Fuel Per Million BTU	167.1	167.0	- 0.5
Average BTU Per KWH Output	10,925	10,963	- 2.9
Annual System Output MWH	11,736,397	11,632,379	+ 0.6

## About the Cover

Empress Light spans about 800 square miles in Albany and Rensselaer Counties. Criss-crossed by rivers and steep-sided valleys, the area never developed as a unit; the way Eastern regions have. Politically and socially, it grew up, and remains, diverse.

The area is its own community when the Steelers or Pirates are on a roll, or when people come 25 to 40 miles to stand in the sun to make their donations to Children's Hospital. Then it settles back again to being a large group of independent communities.

In this annual report, we show you five of the communities we serve. They illustrate a solid fact of life for Duquesne Light—many of our towns are interesting, but none, absolutely none, is typical.

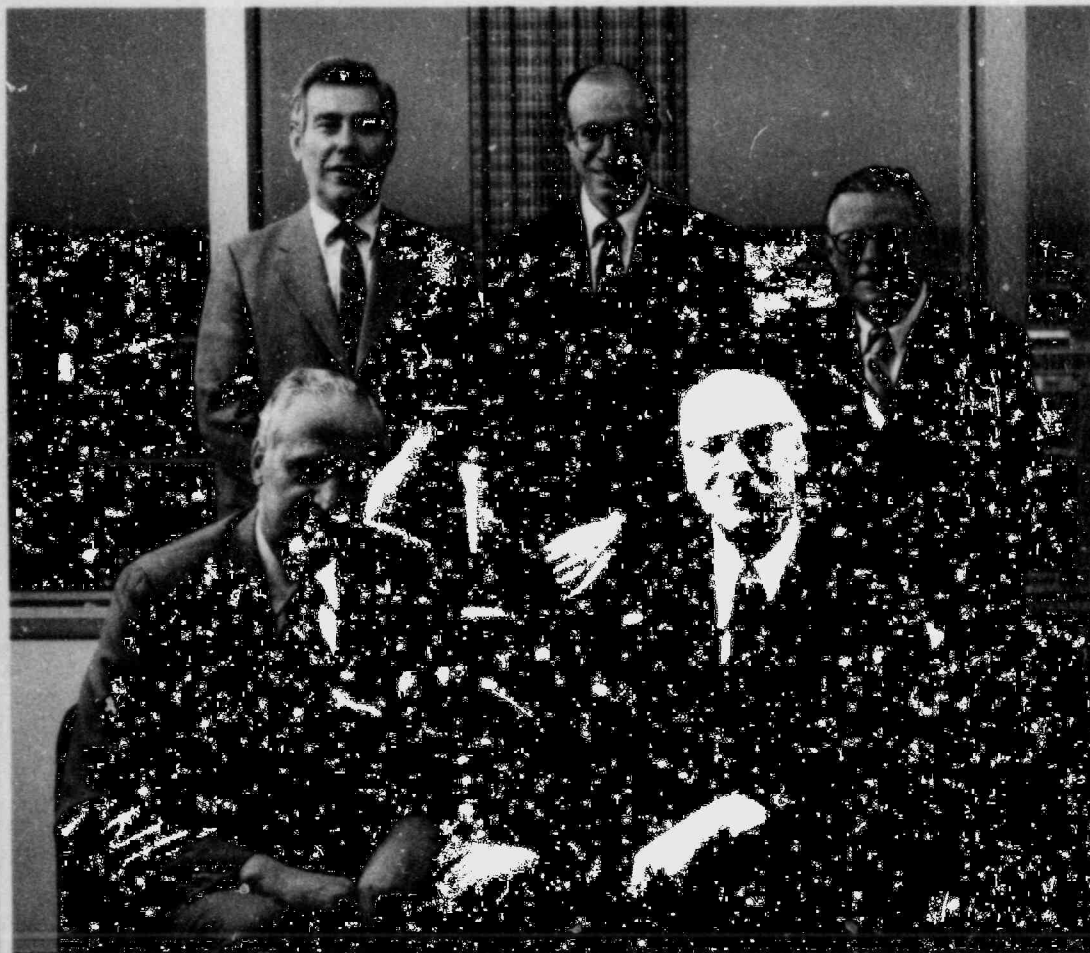
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## Board of Directors



*Board of Directors: (left to right front row) John M. Arthur, Doreen E. Boyce, (back row) John H. Demmler, Eric W. Springer, Daniel Berg.*



*Board of Directors: (left to right front row) Henry G. Allyn, Jr., Charles M. Atkinson, (back row) William H. Knoell, Sigo Falk, G. Christian Lantzsch.*

*For a listing of Board Members with their titles and committees, see inside back cover.*

## To Our Stockholders

Duquesne Light's revenues and net income were both higher in 1983 than in the previous year. While heavy industry remained depressed, other areas of business advanced.

### **Our changing market**

Traditionally a mainstay of Duquesne Light's business, the steel industry in this area operated at an even lower level than in 1982, with continuing high unemployment among local steelworkers. We expect this area's steel industry, and its consumption of electricity, to recover slowly over the next three years, but not to the level of 1981. Almost certainly, a part of the decrease in steelmaking demand for electricity will be permanent; some of the older steelmaking facilities, no longer cost-competitive, probably will never reopen.

Fortunately for our community and for Duquesne Light, the trend of economic development in this area over the past two decades has been one of diversification. This trend has helped to reduce the effects of the decline of the area's heavy industrial base and the loss of steel-related jobs.

This transition is still in progress. The Pittsburgh area ranks fifth in the U.S. as a center of research and development and continues to develop as a corporate and financial center. Additionally, advanced technology is a growing segment of this new makeup of local business and industry. Employment also is increasing in service-oriented industries such as banking, transportation, health care and retail sales. These economic strengths account for the fact that our commercial and residential sales were strong last year, considering the recession.

We can reasonably expect that recovery and new growth will create as many as 30,000 new jobs in our area next year. However, this growth will not make up for our load losses quickly. The expected sources of the growth, such as office buildings and advanced technology industries, do not use electricity in the same quantities as steel mills. It may well be three or four years before we see a summer peak load equal to that of 1981.

### **Long-term investment considerations**

Recognizing these limitations on our growth prospects, Duquesne Light is currently engaged in a strategic planning process to help establish operating goals. The aim is to determine the lowest level of revenue that will provide a reasonable level of earnings for stockholders, and to determine the lowest level of investment that will maintain and improve service to the 559,000 customers who depend on us for electricity.

Since generating units under construction are scheduled to give Duquesne Light an additional 445 megawatts of capacity during this decade, we do not presently foresee a need for further generating capacity until about the year 2000. This should reduce our dependence on capital financing and thus improve our ability to hold the line on costs.

### **Cost reduction measures**

Cost reduction, always a major management goal, is urgent at this time; not only for the sake of earnings, but also to remain competitive. Serving a major northeastern metropolitan area, as Duquesne Light does, is costlier than serving less densely populated areas. Loss of business to neighboring utilities or the movement of corporations to the "Sunbelt" could cost us some larger

customers and have the eventual effect of raising costs for our other customers. We have no higher priorities than controlling costs with the aim of keeping our rates competitive.

One means is our continuing Company-wide cost reduction program, which again produced large savings. During the year, negotiation of a new two-year union contract resulted in productivity improvements and fringe benefit modifications. In addition, a new reorganization plan, which will be implemented in 1984, will reduce costs by making our operation leaner and more cost-effective.

### Management reorganization

The reorganization plan consolidates all operating divisions and departments under the direction of five Group Vice Presidents. It should reduce total staffing by about 100 positions. The reduction in number of employees will be brought about largely through a new voluntary early retirement program.

### Community involvement

In 1983, we recognized a growing problem of people facing a hardship because of inability to pay the increasing cost of heat and light. To help alleviate this problem, we provided strong planning and financial and fund-raising support to a new independent agency, the Dollar Energy Fund, which provides assistance when government help is inadequate.

Duquesne Light employees pledged a total of \$333,600 to the United Way of Southwestern Pennsylvania. Additionally, our employees donated \$58,100 in 1983 to a Salvation Army food bank for unemployed workers. Approximately 65% of our 4,900 employees signed payroll deduction cards to contribute \$1 each pay to the food bank.

### Our service area

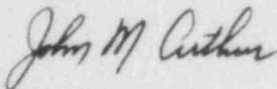
The recession was harder on our service area than on most parts of the country. Local unemployment persists at a level well above the national average, with only gradual relief in sight. In this situation, our long-term area development program is of particular interest. In the past 12 months, more than 3,000 jobs have been added or retained as a result of this Duquesne Light effort.

This area faces a difficult comeback. But people here are a hardy breed. They have weathered worse storms.

### Our towns

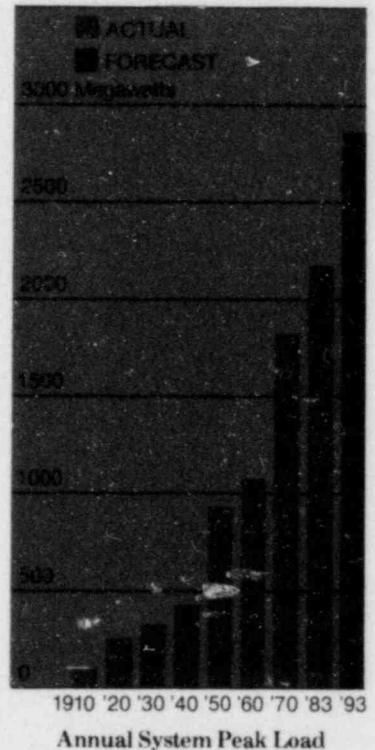
An underlying strength of our larger community is the great diversity among the many smaller communities within it. To illustrate this, we feature in this report photos of five of the towns we serve. I cannot call them typical, because they are all so different. Perhaps this very variety is a clue as to why, hard times or not, this region displays such vitality.

Although many challenges lie ahead, I am optimistic about the future of our service area. Duquesne Light's Management and Board of Directors acknowledge and appreciate the support of the many stockholders, employees and customers who contributed to the Company's progress in the past and will help to meet the challenges of the future.



John M. Arthur  
Chairman of the Board and  
President

February 15, 1984



# Perspective of 1983

## I. FINANCIAL MATTERS

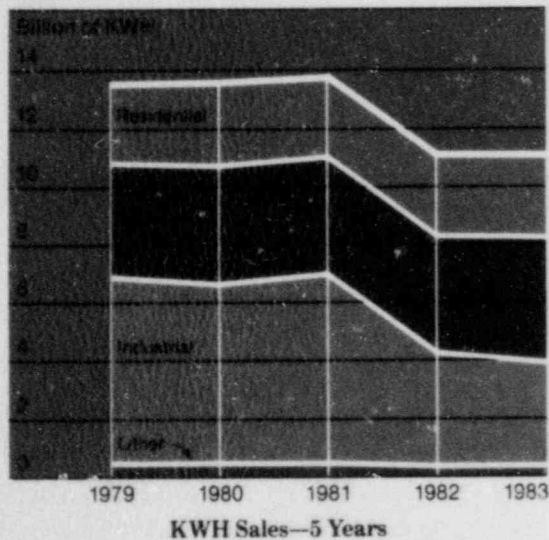
### Revenue-earnings improvement

Duquesne Light's revenues rose from \$746 million in 1982 to \$800 million in 1983. Rate increases were primarily responsible for the higher revenues. Earnings per share from continuing electric operations were \$2.20 in 1983 compared to \$1.96 in 1982.

### Sales: A year of ups and downs

Total kilowatt-hour sales for 1983 were slightly lower than last year's level, and the summer peak load increased about 8%. Improved commercial and residential sales played a part in improving our financial performance for the year.

Total industrial sales dropped 5% compared to 1982. Sales to steelmakers, our largest single market, fell even lower than last year. However, there was growth in other segments of the market, especially office park projects west of Pittsburgh, fast-food restaurants, hospital expansions and office buildings in downtown Pittsburgh, where large-scale development continues.



### Cost reduction

Last year Duquesne Light expanded its cost-reduction program to cover the efforts of every employee in the Company. One purpose was to encourage employees to find new ways to save the Company money. This program appears to be working. Identified savings rose from \$8.3 million in 1982 to \$14.4 million in 1983.

Looking ahead for savings, Duquesne Light has been using sophisticated computer programs for strategic load planning. The task is complex and technical. The goal is to determine how to fulfill the Company's load requirements at the lowest cost to our customers while maintaining an adequate level of earnings for our stockholders.

Other major cost reduction measures are described on the following pages under "Management reorganization" and "New early retirement plan."

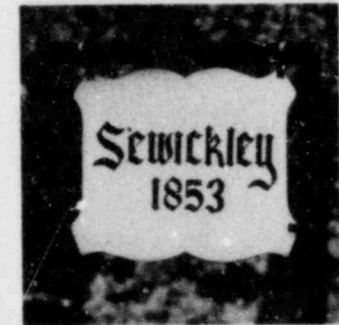
### Saving on dividend reinvestment

During the last quarter of the year, the Company began to administer the Dividend Reinvestment Plan in-house. This will reduce processing costs by approximately \$150,000 a year.

The new system will also enable us to supply more complete answers to stockholders' inquiries. The plan is open to all holders of Common, Preference and Preferred Stock. The number of stockholders taking advantage of the plan now stands at 44,000. For information on benefits and how to participate, write Duquesne Light, c/o Dividend Reinvestment, Box 68, Pittsburgh, Pa. 15230-0068.

## OUR TOWNS

# S

EWICKLEY

Only 15 miles from the hustle and bustle of downtown Pittsburgh is the peace, serenity and charm of Sewickley.

Here, on streets shaded by century-old oaks and maples, stand stately homes built first by captains of riverboats and later by captains of industry.

There are newer homes here, and apartments, and a shopping district. Sewickley is a living, breathing town—not a museum. But as you walk the residential streets you have the feeling that you have stepped back in time.

Admittedly, Sewickley is somewhat unique. But, the sense of charm and graciousness it represents is also alive and well in many of our other towns.



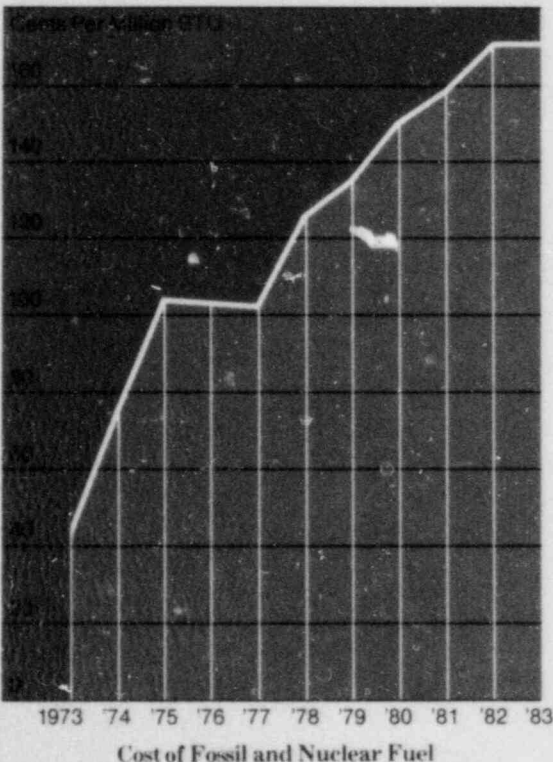


## Construction and financing

Work continued at the nuclear Beaver Valley Power Station Unit No. 2 and at the nuclear Perry Plant Units Nos. 1 and 2. Duquesne Light has a 13.74% ownership interest in each of these units. Other major construction projects included a new Western District Headquarters building and a simulator/training building at Beaver Valley Power Station.

Our total capital expenditures for the year came to \$224 million. About 26% of this was generated internally. The balance was raised by outside financing. This included:

1. On April 14, 1983 the Company issued \$60 million principal amount of 12 $\frac{1}{8}$ % First Mortgage Bonds, Series due April 1, 2013. Net proceeds to the Company were approximately \$59.3 million.
2. On August 2, 1983 the Company issued 2,475,000 shares of Common Stock. Net proceeds to the Company were approximately \$39.4 million.
3. On November 1, 1983 the Ohio Air Quality Development Authority



issued \$20.5 million of tax exempt pollution control revenue bonds to finance the Company's share of the costs for certain pollution control facilities at the coal-fired Sammis plant. Net proceeds to the Company were approximately \$19.8 million.

4. On December 6, 1983 the Company issued \$50 million of 13% First Mortgage Bonds, Series due December 1, 2013. Net proceeds to the Company were approximately \$49.3 million.
5. The Company issued 2,524,407 shares of Common Stock in 1983 pursuant to its Dividend Reinvestment Plan. Issuances of Common Stock through this plan aggregated approximately \$39 million. In addition, 143,727 shares of Common Stock were issued pursuant to the Company's Employee Stock Ownership Plan.

## Farewell, steam heat

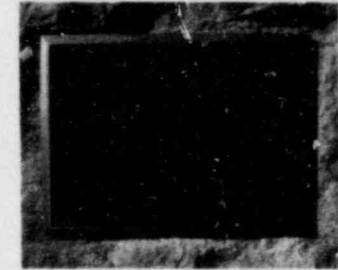
On May 31, 1983, following the plan announced in 1982, Duquesne Light's long-unprofitable subsidiary, Allegheny County Steam Heating Company (ACSH) terminated steam service to the public. The estimated loss from discontinued steam heating operations was recognized in 1982. The major portion of the steam distribution system which ACSH had operated was transferred to, and is being operated by, a newly-formed cooperative of steam users.

## Rates

On January 28, 1983 the Pennsylvania Public Utility Commission (PUC) entered a final order covering the Company's request for a \$165 million (subsequently reduced to \$155 million) increase in annual rates which was filed on April 30, 1982. The order

## OUR VILLAGES

### PENNSBURY VILLAGE



The Borough of Pennsbury Village came into existence fully grown. It was built in the Sixties as a rental development—500 townhouses, mostly two-bedroom. When the townhouses were converted to condominiums, the new owners (average age 31) decided they were not satisfied being part of a larger municipality. They issued a Declaration of Secession, performed the necessary legal gymnastics, and launched their own unique local government.

Now the Borough takes care of roads, enforces laws and provides fire protection; the Condominium Council takes care of everything else. That includes water, sewage, and heating—all units of equal size pay the same service fee which also includes use of the pool and community center, exterior work on the homes, trimming shrubs and mowing lawns. The 870 people who live in Pennsbury Village know it is never going to expand. They also know that living there is never going to be much trouble.

Pennsbury Village is tiny . . . not much more than a few acres. But, as we said earlier, our service area is indeed diverse.



allowed \$105.8 million or 64% of the rate increase originally requested.

On April 29, 1983 the Company filed a new rate schedule with the PUC estimated to increase annual revenues by approximately 5.6% or \$49.9 million per year. This was the lowest general rate increase request by the Company since 1971. On September 16, 1983, the PUC approved a settlement of the rate proceeding which provided for an increase of \$21 million, or 42% of the amount requested. The early settlement of this request allowed the Company to begin collecting the increase about 4½ months earlier than the normal decision date.

On July 22, 1983 the PUC approved the Company's request to lower its Energy Cost Rate for service rendered on and after August 1, decreasing electric bills for the average residential customer by about 5%.

## II. NUCLEAR

### **Beaver Valley Unit No. 1 is a reliable performer**

Beaver Valley Unit No. 1 was shut down for refueling and modifications on June 11, 1983 and was returned to service as scheduled on September 24, 1983. During the outage, 33 design modifications were made to the plant, 21 of which were required by the Nuclear Regulatory Commission.

From the beginning of the year until June 11, this nuclear unit operated at an availability factor of 96%. On an annual basis, taking into account the shutdown period, its availability factor was 68%.

In February 1983, the Emergency Preparedness Plan for Unit No. 1 was tested in a full-scale, all-day drill. Federal agencies determined that public health and safety can be adequately protected in the event of a nuclear emergency.

### **Beaver Valley Unit No. 2 is on schedule**

Construction of Beaver Valley Unit No. 2 proceeded on schedule; at year end, this nuclear plant was 78% completed. The Nuclear Regulatory Commission and the Institute of Nuclear Power Operations audited the engineering and construction work, and both reported acceptable performance. Barring unforeseeable delays, the operating license should be granted by the time the unit is ready for its initial core loading near the end of 1985.

## III. ENVIRONMENT

For the second year running, various members of Congress proposed legislation to "do something" about the acid rain problem. If some of the most stringent proposals are adopted, Duquesne Light could be required to spend as much as \$335 million for flue gas scrubbers and an additional \$100 million a year for operation and maintenance of these devices. Customers' bills could increase as much as 6% to 12%, and this area's already depressed steel and coal industries would be badly hurt. Duquesne Light has proposed an alternative. It calls for accelerated research (the causes of acid rain are *not* scientifically established); an emission ceiling for sulfur dioxide; innovative alternative methods of neutralizing acidity in lakes and streams; and a trade-off policy between types of chemical compounds that may lead to airborne acids. The plan would reduce the emissions that are blamed for causing acid rain, yet cushion the human and cost impacts.

## OUR BOROUGHES

# H

OMESTEAD

Our other community profiles show you the diversity of our 800-square-mile service area. Homestead offers a more traditional and oftentimes stereotyped view of Pittsburgh—the mill town.

The names of similar steel mill towns may ring a bell. Aliquippa. Braddock. Duquesne. Munhall. Monessen. For many years, through the Fifties and Sixties, mills in these towns roared 'round the clock. The mill towns, like Homestead, thrived. For a variety of reasons, the boom ended in the Seventies and early Eighties. One by one the mill furnaces have been going cold.

Nobody expects the mills to come back all the way, but in Homestead, Aliquippa, Braddock and the rest, there's a dogged hope that the worst has passed. Homestead has endured hard times before. What will happen to its mills? Until the answer is in, people here are doing what they can, getting by, toughing it out.



## IV. INTERNAL OPERATIONS AND PERSONNEL

### Management reorganization

Duquesne Light's overall organizational structure has not significantly changed for about 17 years. Early in 1983, the Board of Directors retained the consulting firm of Booz, Allen & Hamilton, Inc. to examine the organizational structure of the Company and make recommendations for improvement. In November, the Board of Directors adopted a new plan of organization.

Under the new organization, operations are directed by five Group Vice Presidents. They are Charles M. Atkinson, Finance and Accounting; Roger D. Beck, Administrative Services; Clifford N. Dunn, Power Supply; John J. Carey, Nuclear; and William F. Gilfillan, Jr., Customer Services. In addition, Walter T. Wardzinski is Vice President of Legal and Corporate Communications. All report to John M. Arthur, Chairman of the Board and President. For a complete list of Company officers, see the inside back cover of this report.

The purpose of the new reorganization is to provide more efficient management and to reduce costs. It will make our organization leaner by reducing the number of departments and increasing the responsibilities of existing managers. A total of about

100 positions will be eliminated, including some 20 managerial positions.

### New early retirement plan

The reduction in personnel called for by the reorganization will be accomplished largely by attrition and by a new limited early retirement program which was entirely voluntary. When the option was offered in late 1983, 450 employees were eligible; 323 chose early retirement. The option was terminated in January 1984.

### New two-year union contract

Duquesne Light and the International Brotherhood of Electrical Workers signed a new contract effective October 1, 1983. It provides for a 6% increase in wages and a small improvement in fringe benefits each year of the two-year pact. Most important in these times is a provision that will help reduce costs by increasing the work week of certain clerical workers from 37½ to 40 hours at no additional increase in wages. This change results in a standard 40-hour work week for all Company employees.

### '82 management audit produces '83 results

While the PUC-mandated management audit of 1982 by Temple, Barker and Sloane, Inc. found

## OUR CITIES

# M

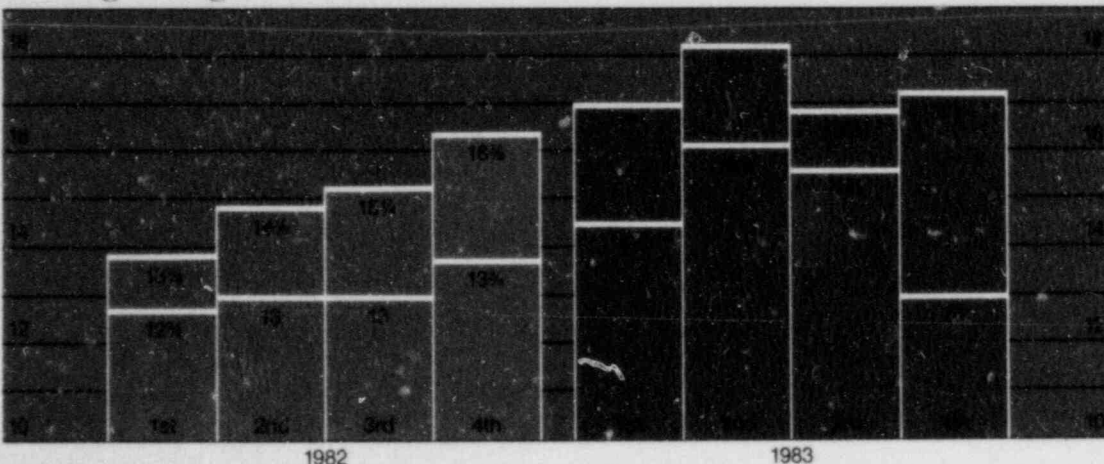
ONROEVILLE



Monroeville's expansion was typical of the Fifties and Sixties: the developers dug up farms and planted homes. But for some reason Monroeville never settled into the quiet routine of a typical bedroom community.

When Monroeville was just in the making, a shopping center much larger than the residents needed was built. It was a catalyst: now Monroeville has about one store for every 60 residents, and shoppers drive miles to get here. Four large corporations set up major research centers. That tilted the population mix: there's a high percentage of PhD's, and you hear accents from Sweden, England, France, Hungary, India, Japan. More recently, a railroad moved its headquarters here, and an entrepreneur put up an exhibit hall that drew over half a million buyers and conventioners last year.

Monroeville is only 14 miles from downtown Pittsburgh and even closer to three major universities. It, and other communities, are starting to sprout buildings with company names that don't have any vowels. Advanced-tech is taking root around here.



### High/Low Common Stock

The principal trading market for the Company's Common Stock is the New York Stock Exchange. The stock is also listed on the Philadelphia Stock Exchange.



Duquesne Light's operations to be generally acceptable, it also made some specific recommendations to further improve our operations. We have been implementing certain of these recommendations. One visible result in 1983 was a wider use of computerized information systems. Benefits included increased clerical productivity, improved customer service and enhanced management control.

#### **T&D moves**

Early in the year, the Transmission and Distribution Department moved its Western District headquarters to a new building in Center Township. This completed a multi-year consolidation of Western District operations. There are seven sections and approximately 200 employees at this location. The consolidation of three facilities has reduced costs and has made it more convenient for several departments to work together.

#### **Most important awards of 1983**

We take pride in a good safety record, and special pride in awards like these received in 1983:

From the Pennsylvania Electric Association, an award for the best accident-prevention record in the Commonwealth's electric utility industry.

From the Pennsylvania Electric Association, an award for meritorious results in the prevention of disabling shocks and burns.

From the Edison Electric Institute, the Injury Frequency Reduction Award certificate, for having reduced injury rates 25% in a single year.

### **V. COMMUNITY CONCERNS**

#### **Inability to pay**

With heavy industry in our area still in deep recession, the number of our customers unable to pay for electric service has grown noticeably.

Duquesne Light has worked with various community groups for over two years to establish an energy assistance fund. In 1983, we helped found the Dollar Energy Fund, an independent, non-profit agency which was formed to meet the specific problem of inability to pay. Duquesne Light supported the Dollar Energy Fund with start-up, promotion and administration funds. We mailed more than a million of the Fund's appeals along with our regular monthly bills. In addition, we will provide up to \$50,000 in matching credits for the accounts of eligible Duquesne Light customers receiving assistance from the Dollar Energy Fund. While only in existence for a little over three months, the Fund had received \$55,970 in cash contributions from customers by year end.

#### **Conservation**

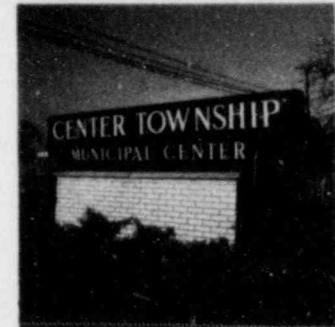
Besides conducting energy audits at below cost for residential customers, Duquesne Light conducted a series of free lunchtime energy conservation presentations for the public at our new headquarters in downtown Pittsburgh. We also sponsored a load management seminar for commercial, industrial and governmental customers.

#### **More jobs**

For the 25th year, Duquesne Light operated a full-time Area Development Department that works to expand the local economy and expand employment opportunities in our service area. The department staff worked with 180 prospective employers during the year. Their efforts included finding land or buildings, locating financing, expediting permits and providing studies on markets and labor skills. Our staff secured 52 commitments to expand or relocate in our service area. The result was 2,960 jobs added or retained.

### **OUR TOWNSHIPS**

## **C**ENTER TOWNSHIP



Drive along the main north-south road, first cut when this was Indian country, and you see one side of Center Township—a bedroom community. People commute to Pittsburgh, 40 minutes on the expressway. It's a chore, but Beaver County taxes are low. When asked why they live here, people mention the colleges—a community campus and a Penn State branch—easy shopping at a very large mall, and their friendly neighbors.

Drive the side roads and you see the other side of Center Township—the countryside. Better than half of the township's 15 square miles is farm and fallow, water and woods, hills—places quite wild—and, of course, quiet. Hardly a place in the township is more than a 10-minute walk from where you can follow a deer trail.

Wide open spaces—we have them in Center Township and in other parts of our area.





## Company Report on Financial Statements

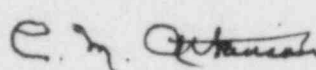
The Company is responsible for the financial information and representations contained in the financial statements and other sections of this Annual Report. The Company believes that the financial statements have been prepared in conformity with generally accepted accounting principles appropriate in the circumstances to reflect, in all material respects, the substance of events and transactions that should be included and that the other information in the Annual Report is consistent with those statements. In preparing the financial statements, the Company makes informed judgments and estimates based on currently available information of the effects of certain events and transactions.

The Company maintains a system of internal accounting controls designed to provide reasonable assurance that the Company's assets are safeguarded and that transactions are executed and recorded in accordance with established procedures. There are limits inherent in any system of internal control based on the recognition that the cost of such a system should not exceed the benefits to be derived. The system of internal accounting control is supported by written policies and guidelines and is supplemented by a staff of internal auditors. The Company believes that the internal accounting control system provides reasonable assurance that its assets are safeguarded and the financial information is reliable.

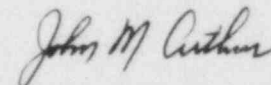
The accompanying consolidated financial statements have been audited by Deloitte Haskins & Sells, independent certified public accountants, whose appointment was approved at the 1983 Annual Meeting of Stockholders. Their examination was made in accord-

ance with generally accepted auditing standards and included a review of the system of internal accounting controls and tests of transactions to the extent they considered necessary to provide reasonable assurance that the financial statements are not misleading and do not contain material errors.

The Board of Directors has an Audit Committee composed of four non-officer directors which met four times in 1983. The Audit Committee has the following duties and responsibilities: (1) recommend the independent public accountants; (2) review the planned scope and results of their audit and other services to be performed; (3) review the financial statements and the related report of the independent public accountants; (4) review with the officers, internal auditors and the independent public accountants the adequacy of the Company's system of internal accounting control, including their recommendations with respect thereto; and (5) review the planned scope and results of the internal audit function. The independent certified public accountants and internal auditors have full and free access to the Audit Committee and meet with it, with and without management being present, to discuss internal accounting controls, auditing and financial reporting matters.



C. M. Atkinson  
Vice President-  
Finance and  
Accounting Group



John M. Arthur  
Chairman of the Board  
and President

## Opinion of Independent Certified Public Accountants

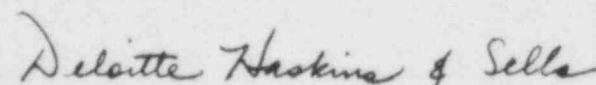
DELOITTE HASKINS & SELLS  
Certified Public Accountants  
Two Gateway Center  
Pittsburgh, Pennsylvania 15222

TO THE DIRECTORS AND STOCKHOLDERS  
OF DUQUESNE LIGHT COMPANY:

We have examined the consolidated balance sheets of Duquesne Light Company as of December 31, 1983 and 1982 and the related statements of consolidated income, retained earnings, capital surplus and changes in financial position for each of the three years in the period ended December 31, 1983. Our examinations were 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.

In our opinion, such consolidated financial statements present fairly the consolidated financial position of Duquesne Light Company at December 31, 1983 and 1982 and the results of its operations and the changes in its financial position for each of the three years in the period ended December 31, 1983, in conformity with generally accepted accounting principles applied on a consistent basis.



February 15, 1984

# Statement of Consolidated Income

For the Three Years Ended December 31, 1983  
(Thousands of Dollars, Except Per Share Amounts)

	1983	1982	1981
<b>ELECTRIC OPERATING REVENUES</b>	<b>\$800,345</b>	<b>\$746,462</b>	<b>\$786,229</b>
<b>OPERATING EXPENSES:</b>			
Fuel	192,512	229,693	242,871
Purchased power (sales)—net	(7,330)	(23,172)	16,189
Other operation	136,188	126,151	113,423
Maintenance (Note N)	65,016	66,855	63,106
Depreciation	73,682	62,939	60,854
Taxes other than income taxes (Note N)	60,651	57,476	57,694
Income taxes (Note H)	92,954	71,213	72,263
<b>Total Operating Expenses</b>	<b>613,673</b>	<b>591,155</b>	<b>626,400</b>
<b>OPERATING INCOME</b>	<b>186,672</b>	<b>155,307</b>	<b>159,829</b>
<b>OTHER INCOME:</b>			
Allowance for equity funds used during construction	50,709	35,415	24,619
Income taxes—credit (Note A)	16,760	17,906	14,462
Other income and deductions—net	246	8,913	3,467
<b>Total Other Income</b>	<b>67,715</b>	<b>62,234</b>	<b>42,548</b>
<b>INCOME BEFORE INTEREST CHARGES</b>	<b>254,387</b>	<b>217,541</b>	<b>202,377</b>
<b>INTEREST CHARGES:</b>			
Interest on long-term debt	118,813	111,726	97,404
Other interest	5,736	3,471	6,957
Allowance for borrowed funds used during construction, net of income taxes	(15,388)	(14,853)	(11,393)
<b>Total Interest Charges</b>	<b>109,161</b>	<b>100,344</b>	<b>92,968</b>
<b>INCOME FROM CONTINUING ELECTRIC OPERATIONS BEFORE EXTRAORDINARY GAIN</b>	<b>145,226</b>	<b>117,197</b>	<b>109,409</b>
<b>DISCONTINUED STEAM HEATING OPERATIONS (Note C):</b>			
Loss from operations of discontinued steam heating subsidiary	—	(924)	(538)
Loss on disposition of discontinued steam heating subsidiary	—	(9,000)	—
<b>INCOME BEFORE EXTRAORDINARY GAIN</b>	<b>145,226</b>	<b>107,273</b>	<b>108,871</b>
<b>EXTRAORDINARY GAIN ON EARLY EXTINGUISHMENT OF BONDS (Note D)</b>	<b>—</b>	<b>9,609</b>	<b>—</b>
<b>NET INCOME</b>	<b>145,226</b>	<b>116,882</b>	<b>108,871</b>
<b>DIVIDENDS ON PREFERRED AND PREFERENCE STOCK</b>	<b>22,411</b>	<b>22,761</b>	<b>22,976</b>
<b>EARNINGS FOR COMMON STOCK</b>	<b>\$122,815</b>	<b>\$ 94,181</b>	<b>\$ 85,895</b>
<b>AVERAGE NUMBER OF COMMON SHARES OUTSTANDING (000)</b>	<b>55,883</b>	<b>48,236</b>	<b>41,764</b>
<b>EARNINGS PER SHARE OF COMMON STOCK:</b>			
Income from continuing electric operations	\$2.20	\$1.96	\$2.07
Loss from discontinued steam heating operations (Note C)	—	(.21)	(.01)
Extraordinary gain (Note D)	—	.20	—
<b>Net income</b>	<b>\$2.20</b>	<b>\$1.95</b>	<b>\$2.06</b>
<b>DIVIDENDS DECLARED PER SHARE OF COMMON STOCK</b>	<b>\$2.00</b>	<b>\$1.90</b>	<b>\$1.85</b>

The accompanying Notes to Financial Statements are an integral part of these statements.

**Consolidated Balance Sheet**December 31, 1983 and 1982  
(Thousands of Dollars)

	1983	1982
<b>ASSETS</b>		
<b>PROPERTY, PLANT AND EQUIPMENT:</b>		
Electric plant in service	\$2,434,916	\$2,347,640
Construction work in progress	856,766	675,621
Held for future use	1,799	1,293
Total	3,293,481	3,024,554
Less accumulated depreciation	555,641	504,680
Property, Plant and Equipment—Net	2,737,840	2,519,874
<b>OTHER PROPERTY AND INVESTMENTS:</b>		
Nonutility property	2,050	2,008
Miscellaneous investments	12,424	8,489
Total Other Property and Investments	14,474	10,497
<b>CURRENT ASSETS:</b>		
Cash and temporary cash investments (at cost which approximates market)	73,751	33,663
Accounts receivable:		
Customers (less reserve for uncollectible accounts of \$2,652 and \$2,270, respectively)	69,822	60,177
Tax refund	—	5,507
Other	19,797	21,284
Materials and supplies (generally at average cost):		
Coal	59,205	69,194
Other operating and construction	34,983	33,964
Deferred income taxes	3,121	7,265
Other current assets	13,028	13,851
Total Current Assets	273,707	244,905
<b>DEFERRED DEBITS:</b>		
Extraordinary property losses (Note B)	36,565	40,334
Deferred coal costs (Notes G and M)	22,343	18,338
Other deferred debits	60,882	49,476
Total Deferred Debits	119,790	108,148
Total	\$3,145,811	\$2,883,424

The accompanying Notes to Financial Statements are an integral part of these statements.

	1983	1982
<b>LIABILITIES</b>		
<b>CAPITALIZATION (Note E):</b>		
Common Stock (authorized—75,000,000 shares; outstanding—58,419,659 and 53,276,525 shares, respectively)	\$ 58,420	\$ 53,277
Capital surplus	724,147	649,376
Retained earnings	175,938	165,340
Total Common Stockholders' Equity	958,505	867,993
Non-redeemable Preferred and Preference Stock	156,137	156,137
Redeemable Preferred and Preference Stock	134,979	140,829
First mortgage bonds	1,100,147	1,006,637
Other long-term debt	234,019	199,934
Unamortized debt discount and premium—net	(10,967)	(9,488)
Total Capitalization	2,572,820	2,362,042
<b>CURRENT LIABILITIES:</b>		
Long-term debt maturing within one year (Note E)	16,700	12,500
Accounts payable	95,030	98,399
Accrued income taxes (Note H)	5,778	6,403
Other accrued and deferred income taxes	19,430	13,658
Energy cost rate refunds	—	9,974
Accrued interest	40,390	29,482
Dividends declared	34,771	30,302
Sinking fund and purchase requirements (Note E)	13,391	10,987
Reserve for loss on discontinued steam heating operations (Note C)	3,181	2,698
Total Current Liabilities	228,671	214,403
<b>DEFERRED CREDITS:</b>		
Investment tax credits	143,764	126,447
Accumulated deferred income taxes	193,649	172,600
Other deferred credits	6,907	7,932
Total Deferred Credits	344,320	306,979
<b>COMMITMENTS AND CONTINGENT LIABILITIES (Notes G, I, L and M)</b>		
Total	\$3,145,811	\$2,883,424

# Statement of Changes in Consolidated Financial Position

For the Three Years Ended December 31, 1983 (Thousands of Dollars)

	1983	1982	1981
<b>SOURCE OF FUNDS:</b>			
Continuing electric operations:			
Income from continuing electric operations before extraordinary gain	\$145,226	\$117,197	\$109,409
Items not affecting working capital:			
Depreciation	79,800	66,303	63,560
Investment tax credit deferred—net	17,317	17,335	11,524
Income taxes deferred—net (noncurrent portion)	21,049	18,466	38,040
Allowance for equity and borrowed funds used during construction	(66,097)	(50,268)	(36,012)
Total	197,295	169,033	186,521
Discontinued steam heating operations	—	(9,924)	(538)
Items not affecting working capital (including depreciation: 1982, \$595; 1981, \$610)	—	(349)	690
Total From Operations (excluding extraordinary gain)	197,295	158,760	186,673
Extraordinary gain on early extinguishment of bonds	—	9,609	—
Sale of bonds	110,000	65,000	80,000
Issuance of Common Stock	80,485	107,369	61,332
Nuclear fuel obligations	6,125	24,221	—
Construction costs reimbursed by trustees from proceeds of pollution control financings	19,680	—	50,000
Decrease in working capital (exclusive of current maturities of long-term debt) (a)	—	30,312	—
Total Source of Funds	\$413,585	\$395,271	\$378,005
<b>APPLICATION OF FUNDS:</b>			
Construction expenditures (net of allowance for equity and borrowed funds used during construction)	\$224,280	\$231,022	\$178,942
Dividends on capital stock	134,628	115,247	100,268
Reduction of bonds	12,500	43,852	—
Sinking fund and purchase requirements	4,696	2,691	4,461
Deferred coal costs	4,005	2,669	15,355
Decrease in notes payable	—	—	35,000
Other—net	14,742	(210)	15,679
Increase in working capital (exclusive of current maturities of long-term debt and notes payable) (a)	18,734	—	28,300
Total Application of Funds	\$413,585	\$395,271	\$378,005
(a) The components of working capital (exclusive of current maturities of long-term debt and notes payable) were as follows:			
Current assets:			
Cash and temporary cash investments	\$ 73,751	\$ 33,663	\$ 50,655
Accounts receivable	89,619	86,968	94,363
Materials and supplies and other current assets	107,216	117,009	95,878
Deferred income taxes	3,121	7,265	—
Total	273,707	244,905	240,896
Current liabilities:			
Accounts payable and accrued interest	135,420	127,881	106,337
Accrued taxes	25,208	20,061	24,280
Energy cost rate refunds	—	9,974	—
Dividends declared	34,771	30,302	27,232
Sinking fund and purchase requirements	13,391	10,987	9,733
Reserve for loss on discontinued steam heating operations	3,181	2,698	—
Total	211,971	201,903	167,582
Working capital at close of year	61,736	43,002	73,314
Working capital at beginning of year	43,002	73,314	45,014
Increase (decrease) in working capital (exclusive of current maturities of long-term debt and notes payable)	\$ 18,734	\$(30,312)	\$ 28,300

The accompanying Notes to Financial Statements are an integral part of these statements.

**Statement of Consolidated Retained Earnings**For the Three Years Ended December 31, 1983  
(Thousands of Dollars)

	1983	1982	1981
<b>BALANCE AT BEGINNING OF YEAR:</b>			
As previously reported		\$167,149	\$158,546
Less settlement of prior years' income taxes (Note I)		3,444	3,444
As restated	\$165,340	163,705	155,102
<b>NET INCOME FOR THE YEAR</b>	<b>145,226</b>	<b>116,882</b>	<b>108,871</b>
Total	310,566	280,587	263,973
<b>DEDUCT:</b>			
Cash dividends declared:			
Preferred Stock:			
4% Series	1,100	1,100	1,100
3.75% Series	281	281	281
4.15% Series	291	291	291
4.20% Series	210	210	210
4.10% Series	246	246	246
\$2.10 Series	336	336	336
\$8.64 Series	2,219	2,271	2,323
\$7.20 Series	2,520	2,520	2,520
\$8.375 Series	2,512	2,512	2,512
Preference Stock:			
\$7.50 Series	1,944	2,038	2,119
\$2.75 Series	891	1,035	1,177
\$2.315 Series	2,778	2,778	2,778
\$2.10 Series	2,520	2,520	2,520
\$9.125 Series	4,563	4,563	4,563
Common Stock (Per Share: 1983—\$2.00; 1982—\$1.90; 1981—\$1.85)	112,217	92,546	77,292
Total Cash Dividends	134,628	115,247	100,268
<b>BALANCE AT CLOSE OF YEAR</b>	<b>\$175,938</b>	<b>\$165,340</b>	<b>\$163,705</b>

**Statement of Consolidated Capital Surplus**For the Three Years Ended December 31, 1983  
(Thousands of Dollars)

	1983	1982	1981
<b>BALANCE AT BEGINNING OF YEAR</b>	<b>\$649,376</b>	<b>\$550,244</b>	<b>\$494,228</b>
Premium on Common Stock issued	75,342	99,395	56,196
Expense of issuing capital stock	(571)	(263)	(180)
<b>BALANCE AT CLOSE OF YEAR</b>	<b>\$724,147</b>	<b>\$649,376</b>	<b>\$550,244</b>

The accompanying Notes to Financial Statements are an integral part of these statements.

# Notes to Financial Statements

## A. SUMMARY OF ACCOUNTING POLICIES:

### Consolidation

The consolidated financial statements include the Company and its wholly-owned subsidiary. See Note C concerning disposition of the subsidiary.

### Property, Plant and Equipment

The properties of the Company are carried at original cost and, with minor exceptions, are subject to a first mortgage lien. All maintenance and repairs and replacements of minor units of property are charged to income. Replacements of retirement units of property and betterments are capitalized. In connection with retirements, reserves are charged with the carrying value, plus dismantling charges, less salvage, of property retired.

### Revenues

Customer meters are read monthly or bimonthly and bills are rendered on a monthly basis. Revenues are recorded when billed.

### Allowance for Funds Used During Construction

In accordance with the uniform system of accounts prescribed by regulatory authorities, an allowance for funds used during construction (AFC) is included in construction work in progress and credited to other income for AFC attributable to equity funds and to interest charges for AFC attributable to borrowed funds, net of income taxes. AFC is a non-cash item and is computed using a composite rate, which is applied to the balance of construction work in progress and assumes that funds used for construction are provided by borrowings and by preferred, preference and common stock equity. The rate, compounded semi-annually, was 9.6%, 8.5% and 7.6% in 1983, 1982 and 1981, respectively. This accounting procedure results in the inclusion in property, plant and equipment of amounts considered by regulatory authorities as appropriate costs for the purpose of establishing rates for utility charges to customers.

### Depreciation

The Company provides for depreciation of electric plant, exclusive of coal properties, on a straight-line basis determined in a manner consistent with applicable Pennsylvania law and with methods applied by the Pennsylvania Public Utility Commission (Commission) in the determination of depreciation in rate proceedings. Provisions for depreciation and depletion of other Company property are made on various bases such as tons of coal mined for coal properties.

The Company provides for decontamination and dismantling costs for the Beaver Valley No. 1 nuclear generating unit in accordance with the provisions of the orders of the Commission. The Company is allowed to recover from its customers annual decommissioning annuity payments to provide for the decommissioning of the nuclear related components. Such costs are currently estimated to be approximately \$30,000,000. The Company deposits certain revenues in a trust fund which has been established to pay for such costs. At December 31, 1983, \$1,573,000 was included in the Decommissioning Trust Fund, which represents the aggregate value of revenue deposits and interest earned on investments made by the trustee.

### Income Taxes

Deferred income taxes are provided principally for differences between depreciation for income tax purposes and depreciation for accounting purposes to the extent permitted by the Commission for rate-making purposes, and for fuel and extraordinary property losses deferred for accounting purposes but deducted currently for income tax purposes. In compliance with regulatory accounting, income taxes are allocated between operating expenses and other income, principally with respect to interest charges related to construction work in pro-

gress. Investment tax credits are deferred and amortized over the lives of the related facilities.

### Deferred Fuel Costs

The Company defers the difference between actual fuel costs and base fuel costs until the period in which such costs are billed to its customers through its energy cost rate. The energy cost rate is based on projected costs, with provisions for subsequent adjustments to actual cost. Any overcollections of revenues are refunded to customers.

### Nuclear Fuel Costs

The Company's share of nuclear fuel costs under non-capitalized lease agreements is charged to fuel expense based on the quantity of electric energy generated and reflects a zero net salvage value for the leased nuclear fuel. In 1982 the Company began capitalizing acquisitions of nuclear material through a trust arrangement that is intended to finance a portion of the Company's requirements for nuclear fuel. An accounting pronouncement issued by the Financial Accounting Standards Board in 1982 will result in capitalization of the Company's nuclear fuel leases beginning in 1984.

Under the Nuclear Waste Policy Act of 1982 (the Act), the United States Department of Energy (DOE) is responsible for the ultimate storage and disposal of spent nuclear fuel removed from reactors. Under the Act the Company is required to pay a quarterly fee to DOE of one mill per kilowatt-hour on nuclear generation after April 6, 1983 and a one-time fee for nuclear generation through April 6, 1983. Although the method of payment of the one-time fee, currently estimated to be approximately \$8,921,000, has not been determined, this amount has been recorded as long-term debt with a contra charge to deferred debits. The Company began recovering the one-time fee in rates in February 1983 and has established a trust fund for the deposit of the amounts recovered. The Company is also recovering the fees for generation after April 6, 1983 and making payments to DOE on a quarterly basis.

### Debt Discount, Premium and Expense

Debt discount or premium and related expenses are amortized over the lives of the issues to which they pertain.

## B. EXTRAORDINARY PROPERTY LOSSES:

In January 1980, the Company and the other CAPCO companies cancelled the construction of four nuclear generating units. The Company received approval from the Federal Energy Regulatory Commission (FERC) and the Pennsylvania Public Utility Commission (Commission) to amortize and recover from its customers its share of the accumulated costs applicable to these units over a ten-year period which began January 29, 1983. The unrecovered costs which were unamortized as of December 31, 1983 were \$31,291,000.

On October 1, 1982 the Shippingport Atomic Power Station was removed from commercial operation after notice from the United States Department of Energy that it was planning to terminate operation of the light water breeder reactor core at the station as of that date. The Company requested approval from FERC to record the undepreciated cost of the station as an extraordinary property loss and to amortize such loss over a ten-year period beginning on the date that rates providing for the recovery of such cost first become effective. Consistent with this request, the Company reclassified the net amount to extraordinary property losses. The Company has received approval from the Commission to amortize and recover a portion of this amount, net of income taxes, from its customers over a ten-year period which began January 29, 1983.

The Company is not earning any return on the unamortized costs of either of the property losses.

**C. DISCONTINUED STEAM HEATING OPERATIONS:** On September 30, 1982 the Pennsylvania Public Utility Co. n- mission approved the application by the Company's steam heating subsidiary, Allegheny County Steam Heating Com- pany, to discontinue steam service to the public effective May 31, 1983 and to transfer to Pittsburgh Allegheny County Ther- mal, Ltd. (PACT) a major portion of the subsidiary's assets for nominal consideration. The transfer of the assets became effec- tive June 1, 1983. In addition, a lease to PACT of a steam gen- erating plant for nominal consideration became effective on Jan- uary 3, 1983 after completion by the subsidiary of certain demolition work at the plant.

The provision for loss on the disposition of the subsidiary's assets was \$9,000,000 (net of income tax benefit of approxi- mately \$8,712,000) and the loss from operations was \$924,000 (net of income tax benefit of approximately \$1,028,000) for the nine months ended September 30, 1982. The provision for loss on disposition included estimated operating losses for the sub- sidiary of \$1,100,000 (net of income tax benefit of approxi- mately \$970,000) for the period October 1, 1982 through May

31, 1983. These losses were charged against 1982 income, and no additional loss is expected to be incurred due to the disposi- tion. Prior years' operating results have been reclassified to present separately the results of discontinued steam heating operations from continuing electric operations.

At December 31, 1983 and 1982 assets and liabilities included in the consolidated balance sheet applicable to the subsidiary were not material. Revenues from discontinued steam heating operations for the five months ended May 31, 1983 and for 1982 and 1981 were approximately \$6,884,000, \$8,845,000 and \$10,996,000, respectively.

**D. EARLY EXTINGUISHMENT OF BONDS:** In December 1982, the Company exchanged 1,406,898 shares of Common Stock for approximately \$29,852,000 principal amount of outstanding First Mortgage Bonds which were owned by an investment banking firm. The exchange resulted in a nontaxable extraordinary gain of \$9,609,000, or \$.20 per share, which was the difference between the exchange value of the Common Stock and the net carrying amount of the bonds.

**E. CAPITALIZATION:**

	December 31, 1983		December 31, 1982	
	Shares Outstanding	Amount	Shares Outstanding	Amount
Common Stock—\$1 par value (1)	58,419,659	\$ 58,419,659	53,276,525	\$ 53,276,525
Capital Surplus:				
Premium on Common Stock		\$731,335,853		\$655,993,654
Capital stock expense (debit)		(7,622,344)		(7,065,026)
Other		433,442		447,147
Capital surplus		\$724,146,951		\$649,375,775
Non-redeemable Preferred and Preference Stock:				
Preferred Stock—\$50 par value (cumulative) (1)				
4% Series (2)	549,969	\$ 27,498,450	549,969	\$ 27,498,450
3.75% Series (2)	150,000	7,500,000	150,000	7,500,000
4.15% Series (2)	140,000	7,000,000	140,000	7,000,000
4.20% Series (2)	100,000	5,000,000	100,000	5,000,000
4.10% Series (2)	120,000	6,000,000	120,000	6,000,000
\$2.10 Series (2)	160,000	8,000,000	160,000	8,000,000
\$7.20 Series (3)	350,000	17,500,000	350,000	17,500,000
Preference Stock—\$1 par value (cumulative) (1)				
\$2.315 Series (4)	1,200,000	1,200,000	1,200,000	1,200,000
\$2.10 Series (4)	1,200,000	1,200,000	1,200,000	1,200,000
		80,898,450		80,898,450
Premium on Non-redeemable Preferred and Preference Stock		75,238,760		75,238,760
Non-redeemable Preferred and Preference Stock		\$156,137,210		\$156,137,210
Involuntary liquidation value		\$155,998,450		\$155,998,450
Redeemable Preferred and Preference Stock:				
Preferred Stock—\$50 par value (cumulative) (1)				
\$8.64 Series (3)	256,872	\$ 12,843,600	262,872	\$ 13,143,600
\$8.375 Series (3)	300,000	15,000,000	300,000	15,000,000
Preference Stock—\$1 par value (cumulative) (1)				
\$7.50 Series (3)	255,920	255,920	268,920	268,920
\$2.75 Series (4)	270,570	270,570	365,020	365,020
\$9.125 Series (3)	500,000	500,000	500,000	500,000
		28,870,090		29,277,540
Premium on Redeemable Preferred and Preference Stock		109,173,360		113,027,160
Purchase and Sinking Fund Requirements		(3,064,250)		(1,475,500)
Redeemable Preferred and Preference Stock		\$134,979,200		\$140,829,200
Involuntary liquidation value		\$134,979,200		\$140,829,200

(1) Authorized shares: Common Stock—75,000,000; (increased in 1983 from 60,000,000); Preferred Stock—4,000,000; and Preference Stock—8,000,000.

(2) \$50 per share involuntary liquidation value.  
 (3) \$100 per share involuntary liquidation value.  
 (4) \$25 per share involuntary liquidation value.



Duquesne Light Company  
**Notes (continued)**

The following summary indicates the changes in the number of shares of Common Stock outstanding during 1983, 1982 and 1981:

	Year Ended December 31,		
	1983	1982	1981
Common Stock:			
Shares outstanding at beginning of year	53,276,525	45,302,520	40,166,083
Issuances:			
Common Stock sales	2,475,000	4,500,000	4,100,000
Dividend Reinvestment Plan	2,524,407	1,962,320	902,977
Employee Stock Ownership Plan	143,727	104,787	133,460
Exchanged for outstanding First Mortgage Bonds	—	1,406,898	—
Shares outstanding at end of year	58,419,659	53,276,525	45,302,520

The number of shares reserved at December 31, 1983 for issuance under the Dividend Reinvestment Plan and the Employee Stock Ownership Plan are 6,364,124 and 448,115, respectively.

The Preference Stock is entitled to quarterly cumulative dividends except that no dividends may be paid if dividends on any series of the Preferred Stock are accumulated and unpaid. In the event that six quarterly dividends on any series of Preference Stock are in default, the holders of the Preference Stock are entitled to elect two directors until all dividends in arrears have been paid.

The outstanding Preference Stock of the Company is callable on not less than thirty days' notice at the following redemption prices plus accrued dividends: \$7.50—redeemable at \$105 through April 1, 1986; \$103 through April 1, 1989; and \$101 thereafter; \$2.75—not redeemable prior to August 1, 1984 through certain refunding operations, otherwise redeemable at \$27.75 through July 31, 1984; \$26.50 through July 31, 1989; and \$25.25 thereafter; \$2.315—redeemable at \$26.60 through March 31, 1986; \$25.90 through March 31, 1991; and \$25.25 thereafter; \$2.10—redeemable at \$26.40 through March 31, 1987; \$25.70 through March 31, 1992; and \$25.00 thereafter; \$9.125—not redeemable prior to January 1, 1989 through certain refunding operations, otherwise redeemable at \$100 plus the applicable redemption premium decreasing from \$6.72 in 1984 to \$.48 in 1998.

The Preferred Stock is entitled to quarterly cumulative dividends. In the event that four quarterly dividends on any series of Preferred Stock are in default, the holders of the Preferred Stock are entitled to elect a majority of the Board of Directors until all dividends in arrears and current dividends have been paid.

The outstanding Preferred Stock of the Company is callable on not less than thirty days' notice at the following redemption prices plus accrued dividends: 4%—\$51.50; 3.75%—\$51.00; 4.15%—\$51.73; 4.20%—\$51.71; 4.10%—\$51.75; \$2.10—\$51.84; \$8.64—redeemable at \$107 through September 30, 1984; \$104 through September 30, 1989; and \$101 thereafter; \$7.20—redeemable at \$102.50 through March 31, 1987; and \$101 thereafter; \$8.375—redeemable at \$112 through March 31,

1988, and thereafter at \$100 plus the applicable redemption premium decreasing from \$5.03 in 1988 to \$.34 in 2003.

**Redeemable Preferred and Preference Stock:**

The shares of \$7.50 Preference Stock are entitled to a non-cumulative purchase fund under which the Company offers to purchase annually at \$100 per share up to 4% of the number of shares originally issued. The shares of \$2.75 Preference Stock are subject to a cumulative sinking fund which will retire 55,000 shares by August 1 in each year at \$25 per share. The Company may on a non-cumulative basis retire an additional 55,000 shares in each such year. The shares of \$9.125 Preference Stock are subject to a cumulative sinking fund beginning with the year 1985 and continuing through 1997 inclusive which will retire 33,300 shares on January 1 in each year at \$100 per share. The Company may, on a non-cumulative basis, retire an additional 33,300 shares in each such year, provided that the Company may not redeem through the exercise of this option more than an aggregate of 150,000 shares.

The shares of \$8.64 Preferred Stock are entitled to a non-cumulative purchase fund under which the Company offers to purchase annually up to 6,000 shares at not more than \$100 per share. The shares of \$8.375 Preferred Stock are subject to a cumulative sinking fund beginning with the year 1984 which will retire 12,000 shares on April 1 in each year at \$100 per share. The Company may on a non-cumulative basis retire an additional 12,000 shares in each such year.

The combined aggregate sinking fund and mandatory purchase requirements for the next five years as of December 31, 1983 are as follows:

Year Ending December 31,	Sinking Fund and Mandatory Purchase Requirements
1984	\$4,364,250
1985	7,805,000
1986	7,805,000
1987	7,805,000
1988	7,805,000

The following summary indicates the changes in the number of shares of Redeemable and Non-redeemable Preferred and Preference Stock outstanding during 1983, 1982 and 1981:

	Year Ended December 31,		
	1983	1982	1981
<b>Preference Stock:</b>			
Shares outstanding at beginning of year	3,533,940	3,565,220	3,678,650
Purchases and redemptions—\$2.75 Series	(94,450)	(20,080)	(103,750)
—\$7.50 Series	(13,000)	(11,200)	(9,680)
Shares outstanding at end of year	3,426,490	3,533,940	3,565,220
<b>Preferred Stock:</b>			
Shares outstanding at beginning of year	2,132,841	2,138,841	2,144,841
Purchases—\$8.64 Series	(6,000)	(6,000)	(6,000)
Shares outstanding at end of year	2,126,841	2,132,841	2,138,841

**First Mortgage Bonds** (amount authorized is unlimited by indenture):

	December 31,	
	1983	1982
Series due September 1, 1983 (3½%)	\$ —	\$ 12,000,000
Series due July 1, 1984 (3½%)	16,000,000	16,000,000
Series due April 1, 1986 (3½%)	20,000,000	20,000,000
Series due April 1, 1988 (3¾%)	15,000,000	15,000,000
Series due March 1, 1989 (4¼%)	10,000,000	10,000,000
Series due February 1, 1996 (5¼%)	22,800,000	22,800,000
Series due February 1, 1997 (5¼%)	24,600,000	24,600,000
Series due February 1, 1998 (6¾%)	34,700,000	34,700,000
Series due January 1, 1999 (7%)	30,000,000	30,000,000
Series due July 1, 1999 (7¾%)	28,947,000	28,947,000
Series due March 1, 2000 (8¾%)	30,000,000	30,000,000
Series due March 1, 2001 (7¾%)	35,000,000	35,000,000
Series due December 1, 2001 (7½%)	26,461,000	26,461,000
Series due June 1, 2002 (7½%)	28,470,000	28,470,000
Series due January 1, 2003 (7¼%)	32,670,000	32,670,000
Series due July 1, 2003 (7¾%)	35,000,000	35,000,000
Series due April 1, 2004 (8¾%)	44,100,000	44,100,000
Series due March 1, 2005 (9½%)	50,000,000	50,000,000
Series due June 1, 2006 (9%)	80,000,000	80,000,000
Series due April 1, 2007 (8¾%)	97,400,000	97,400,000
Series due February 1, 2009 (10¼%)	100,000,000	100,000,000
Series due January 1, 2010 (12¼%)	60,000,000	60,000,000
Series due September 1, 2010 (14¼%)	50,000,000	50,000,000
Series due June 1, 2011 (16%)	80,000,000	80,000,000
Series due May 1, 2012 (16¼%)	65,000,000	65,000,000
Series due April 1, 2013 (12¼%)	60,000,000	—
Series due December 1, 2013 (13%)	50,000,000	—
<b>Total</b>	<b>1,126,148,000</b>	<b>1,028,148,000</b>
<b>Less:</b>		
Current maturities—Series due September 1, 1983 (3½%)	—	12,000,000
Current maturities—Series due July 1, 1984 (3½%)	16,000,000	—
Current sinking fund requirements	10,001,480	9,511,480
<b>First Mortgage Bonds</b>	<b>\$1,100,146,520</b>	<b>\$1,006,636,520</b>

**Other Long-Term Debt:**

Pollution Control Obligations: Date of Issuance	Average Interest Rate	Serial Maturity or Mandatory Redemption Beginning	Final Maturity	December 31,	
				1983	1982
September 21, 1972	5.49%	1983	2002	\$ 23,500,000	\$ 24,000,000
June 21, 1973	5.685%	1984	2003	12,000,000	12,000,000
October 25, 1973	5.755%	1984	2003	16,000,000	16,000,000
August 13, 1974	7.97%	1989	2004	14,000,000	14,000,000
April 2, 1975	7.50%	1993	2005	17,000,000	17,000,000
October 29, 1975	8.40%	1991	2005	18,000,000	18,000,000
September 29, 1976	6.90%	1994	2011	15,000,000	15,000,000
March 24, 1981	12.00%	2002	2011	50,000,000	50,000,000
November 1, 1983	10.50%	—	2013	20,500,000	—
Total				186,000,000	166,000,000
Less: Current maturities				700,000	500,000
Current sinking fund requirements				325,000	—
Pollution Control Obligations				184,975,000	165,500,000
Nuclear Fuel Obligations				30,345,499	24,221,187
Spent Nuclear Fuel Liability				8,920,790	—
5% Sinking Fund Debentures (authorized \$20,000,000) due March 1, 2010				9,778,000	10,213,000
Total Other Long-Term Debt				\$234,019,289	\$199,934,187

The pollution control obligations arise from arrangements between the Company and development authorities whereby the construction of certain pollution control facilities has been financed through the sale of bonds by those authorities, and the Company is obligated to pay to the authorities amounts equal to the principal of and interest on the authorities' bonds.

The nuclear fuel obligations result from a trust arrangement for the procurement of a portion of the Company's requirements for nuclear fuel. Interest amounts applicable to the trust are capitalized and included in construction work in progress, at rates ranging from 1 1/8% to 1 1/2% over the trustee's commercial paper rate. Trust obligations will be paid by the Company as the related nuclear fuel is withdrawn from the trust.

The spent nuclear fuel liability results from a requirement to provide for payment of a one-time fee to the United States Department of Energy for ultimate storage and disposal of spent nuclear fuel used in the generation of electricity through April 6, 1983. See Note A to the financial statements.

Sinking fund requirements and maturities for the next five years for long-term debt outstanding, exclusive of nuclear and spent fuel obligations, as of December 31, 1983 are as follows:

Year Ending Dec. 31,	Sinking Fund Requirements	Maturities
1984	\$11,426,480	\$16,700,000
1985	11,426,480	700,000
1986	11,429,480	20,700,000
1987	11,676,480	800,000
1988	11,526,480	15,800,000

The sinking fund requirements in each year relate primarily to the First Mortgage Bonds, which requirements may be satisfied by the certification of property additions at 166 2/3% of the Bonds required to be redeemed, and the pollution control obligations. The remaining sinking fund requirement relates to the 5% Sinking Fund Debentures. At December 31, 1983, sinking fund requirements for the 5% Debentures had been satisfied for 1984 and 1985, and the 1986 sinking fund requirement had been partially satisfied in the amount of \$222,000.

Total interest costs incurred during 1983, 1982 and 1981 were \$131,248,000, \$125,004,000 and \$111,331,000, respectively, of which \$73,310,000, \$60,075,000 and \$42,982,000, respectively, were capitalized or deferred, including allowance for funds used during construction.

**F. SHORT-TERM BORROWING ARRANGEMENTS:**

At December 31, 1983 the Company had lines of credit with two banks totaling \$15,000,000, all of which was unused. Effective February 1, 1984 these lines of credit increased to an aggregate of \$35,000,600. The range of interest rates under these lines of credit are from prime rate less one half of one percent to the prime rate or at a special rate as may be offered from time to time by the banks. As part of the arrangement for one of the lines of credit, the Company is required to pay a commitment fee of 3/8% per annum on the unused portion of the line. There are no compensating balances associated with these lines of credit. In addition, the Company has a \$60,000,000 revolving credit arrangement available to December 15, 1986, all of which was unused at December 31, 1983. Borrowings outstanding at December 15, 1986 may be converted to term notes payable in six equal semi-annual installments commencing June 15, 1987 and concluding December

15, 1989. Interest rates fluctuate during the revolving and term periods, depending on the period of borrowings, at percentages in excess of prime, Euro-Rate or certificate of deposit rates. Until December 15, 1986 there is a commitment fee of 1/2% per annum on the average unborrowed commitment. There is no commitment fee during the term period.

During the years ended December 31, 1983, 1982 and 1981 the maximum amount of short-term borrowings outstanding was \$48,020,000, \$37,000,000 and \$80,140,000, the average daily short-term borrowings outstanding were \$12,251,000, \$1,559,000 and \$28,341,000 and the weighted average daily interest rate applicable to such short-term borrowings was 9.40%, 15.39% and 17.50%, respectively.

**G. DEFERRED COAL COSTS:**

The Company and the other CAPCO companies have made long-term coal supply arrangements with Quarto Mining Company (Quarto), an unaffiliated company, to supply coal for the

Bruce Mansfield Units. In December 1980 the Pennsylvania Public Utility Commission (Commission) instituted an investigation into the reasonableness of the cost of coal supplied by Quarto. By Interim Order entered January 12, 1981 the Commission directed that, pending conclusion of the investigation or further order of the Commission, the Company limit its recovery of the cost of Quarto coal through its energy cost rate to approximately the prevailing market price of similar coal rather than the actual cost of Quarto coal. As required by the Interim Order, the Company is deferring the excess of the actual cost of Quarto coal over the cost being recovered through its energy cost rate until recovery of the actual cost is permitted by the Commission. At December 31, 1983 the unrecovered cost of Quarto coal paid by the Company was approximately \$21,541,000, including \$876,000 applicable to Quarto coal in inventory. If recovery of such excess is disallowed, the amount deferred would be charged to income in the year of disallowance. Thereafter, any excess of actual cost over the amount permitted to be recovered would be charged to income on a current basis. The deferrals and methods of ultimately recovering such deferrals were the subject of discussions between representatives of the Company and the Commission staff. Such discussions resulted in the filing with the Commission of a Stipulation Agreement, which sets forth a method intended to permit the eventual recovery of the accumulated deferrals of the excess of Quarto coal costs over market price. The administrative law judge assigned to the

investigation entered an order, subject to review by the Commission, approving the Stipulation Agreement. On November 19, 1982 the Commission remanded the Stipulation Agreement to the administrative law judge for hearings. Hearings were held in January and February 1983, and on April 29, 1983 the Commission issued an order allowing the Consumer Advocate to place into the record testimony regarding the prudence of the Quarto project. Further hearings were held in July and August 1983. On February 3, 1984 the administrative law judge issued a recommended decision, subject to the Commission's approval, concluding that the Company was prudent by initiating and continuing the Quarto project and that the Stipulation Agreement is in the public interest and is a fair and reasonable resolution of the investigation into the reasonableness of the cost of Quarto coal. The administrative law judge recommended that the Stipulation Agreement and its methodology for recovering the cost of the Quarto coal be approved and the Commission's investigation terminated. The matter is presently pending before the Commission. Management of the Company believes that the deferred costs were prudently incurred and that the eventual outcome of the Commission's investigation will not have a material effect on the Company's financial position or results of operations. The CAPCO companies are continuing to evaluate the economics of the Quarto arrangements and are considering and implementing various means for reducing production costs. See Note M to the financial statements.

## H. INCOME TAXES:

Total income taxes in 1983, 1982 and 1981 were comprised of the following components:

	1983	1982	1981
	(Thousands of Dollars)		
Included in operating expenses:			
Currently payable:			
Federal	\$ 33,931	\$25,257	\$20,519
State	14,295	12,694	13,680
Income taxes deferred—net:			
Federal	22,955	13,997	26,080
State	5,555	(228)	(1,057)
Investment tax credit deferred—net	16,218	19,493	13,041
Total	92,954	71,213	72,263
Included in other income (income taxes—credit):			
Currently payable:			
Federal	(13,354)	(14,267)	(11,523)
State	(3,406)	(3,639)	(2,939)
Total income tax expense	\$ 76,194	\$53,307	\$57,801
Taxes currently payable—federal and state	\$ 31,466	\$20,045	\$19,737
Taxes deferred—net	28,510	13,769	25,023
Investment tax credit deferred—net	16,218	19,493	13,041
Total income tax expense	\$ 76,194	\$53,307	\$57,801

Total income tax expense is exclusive of income taxes applicable to discontinued steam heating operations. See Note C to the financial statements.

Sources of income taxes deferred and the tax effects were:

Excess of tax over book depreciation	\$ 20,920	\$14,490	\$12,672
Fuel costs expensed on tax return and deferred on books	9,786	(3,552)	(3,062)
Investment tax credit carryforward recognized against income taxes deferred—net	—	—	16,932
Extraordinary property losses expensed on tax return and deferred on books	(1,562)	3,019	81
Other	(634)	(188)	(1,600)
Total income taxes deferred—net	\$ 28,510	\$13,769	\$25,023

Duquesne Light Company  
**Notes (continued)**

Total income taxes from continuing electric operations were less than the amount computed by applying the statutory federal income tax rate of 46% to income from continuing electric operations before income taxes. The reasons for this difference in each year were as follows:

Computed federal income tax on continuing electric operations at statutory rate	\$101,853	\$78,432	\$76,917
Increase (decrease) in taxes resulting from:			
Allowance for funds used during construction	(30,405)	(23,123)	(16,565)
Excess of tax over book depreciation	3,246	1,131	(577)
State income taxes, net of federal income tax benefit	8,880	4,766	5,229
Amortization of deferred investment tax credits	(5,266)	(4,251)	(3,663)
Other-net	(2,114)	(3,600)	(3,540)
<b>Total income tax expense</b>	<b>\$ 76,194</b>	<b>\$53,307</b>	<b>\$57,801</b>

**I. PRIOR YEARS' INCOME TAXES:**

The Company's income tax returns are settled through 1970. Income tax returns for 1971 through 1979 have been examined, the 1980 and 1981 returns are being examined, and the 1982 return is subject to review. The Internal Revenue Service assessed deficiencies regarding the Company's computation of percentage depletion on coal mined for 1956 through 1979, as well as certain other issues of relatively minor importance for 1971 through 1979. A settlement of the depletion issue for the years 1962 through 1970 occurred in June 1983 based on an earlier court decision which was generally in favor of the Com-

pany concerning percentage depletion for the years 1956 through 1961. The settlement resulted in a charge to retained earnings of approximately \$3,444,000. The Company has received approval from the Federal Energy Regulatory Commission for this accounting treatment. The Company expects that this court decision will serve as the basis for settlement of the depletion issue for the years 1971 through 1979. Management of the Company believes that the settlement of federal and state taxes will not have a material effect on the Company's financial position or results of operations.

**J. EMPLOYEE BENEFITS:**

The Company has trustee retirement plans to provide pensions for all employees, except coal mine employees who are covered under a plan administered by the United Mine Workers of America. Information concerning the plan covering coal mine employees is not determinable and is not included in the data below. Pension costs are funded as accrued and include amortization of prior service costs over 30 years. Pension costs charged to expense or construction for the years ended December 31, 1983, 1982 and 1981 were \$10,803,000, \$12,313,000 and \$10,083,000, respectively. The decrease in pension costs in 1983 resulted principally from an increase in the interest assumption. The increase in pension costs in 1982 was due principally to a plan amendment effective May 1, 1981, increasing pension payments to employees retired prior to October 1, 1979.

The accumulated plan benefits and net assets available for benefits for the trustee plans are presented as of the December 31 benefit information dates. In 1983 the Company adopted an early retirement program in which certain benefits will be paid from the assets of the retirement plans. Additionally during 1983, the Company refunded from such assets all employee contributions. The impact of the early retirement program and the refund of contributions is not reflected in the amounts below. The assumed rate of return used in determining the actuarial present value of accumulated plan benefits was 5½% for 1982 and 5% for 1981 and 1980.

	December 31,		
	1982	1981	1980
	(Thousands of Dollars)		
Actuarial present value of accumulated plan benefits:			
Vested	\$159,956	\$151,756	\$135,345
Nonvested	11,494	11,566	10,750
<b>Total</b>	<b>\$171,450</b>	<b>\$163,322</b>	<b>\$146,095</b>
Net assets available for benefits (at fair value)	\$135,571	\$111,013	\$107,798

The Company is liable under federal and state laws for the payment of benefits to coal mine employees disabled by black lung and to their survivors and dependents. The estimated costs of providing such benefits, including amortization of prior service costs over the remaining estimated life of the Warwick mine, are actuarially determined and accrued on the basis of mine payroll costs and are deposited with a trustee. Such costs were \$1,574,000, \$1,417,000 and \$1,524,000 for the years ended December 31, 1983, 1982 and 1981, respectively. At July 31, 1983 (the date of the latest actuarial valuation), the unfunded prior service cost for these disability benefits was approximately \$23,513,000.

### K. JOINTLY-OWNED GENERATING UNITS:

The Company, together with other electric utilities, primarily the CAPCO companies, has an ownership interest in certain jointly-owned units. Information regarding the Company's share of such jointly-owned units as of December 31, 1983 is as follows (thousands of dollars):

Unit	Utility Plant in Service	Accumulated Depreciation	Company's Interest		Megawatts
			Construction Work in Progress	Percentage Ownership	
Fort Martin No. 1	\$ 46,131	\$ 14,583	\$ 966	50.0	276
CAPCO Units:					
Eastlake No. 5	50,216	11,282	1,606	31.2	202
Sammis No. 7	67,484	12,150	3,825	31.2	187
Bruce Mansfield No. 1	72,346	15,112	262	29.3	228
Bruce Mansfield No. 2	20,221	3,530	106	8.0	62
Bruce Mansfield No. 3	70,073	7,194	564	13.74	110
Bruce Mansfield Common and Shared Facilities	61,297	12,467	2,250		
Beaver Valley No. 1	333,582	52,279	13,660	47.5	385
Beaver Valley No. 2	18	—	287,236	13.74	114
Beaver Valley Common Facilities	47,920	5,361	19,614		
Perry No. 1	—	—	265,147	13.74	165
Perry No. 2	—	—	188,165	13.74	165
Total	\$769,288	\$133,958	\$783,401		

Under terms of the arrangements with the other owners of such jointly-owned units, the Company is required to provide its share of financing the cost of such units. The Company's share of the direct expenses (fuel, maintenance and other operation expenses) of the jointly-owned units is included in the corresponding operating expenses in the Statement of Consolidated Income.

### L. LEASES:

Rental payments in 1983, 1982 and 1981 amounted to \$30,028,000, \$17,679,000 and \$16,389,000, respectively, of which \$31,994,000, \$15,393,000 and \$14,169,000 were charged to operating expenses. The Company has an undivided interest in nuclear fuel lease agreements. Rental payments are made monthly during the terms of the leases based on the amount of nuclear fuel leased and the amount of nuclear fuel burned. The increase in 1983 rental payments and amounts charged to operating expenses resulted from higher building rentals and an increased amount of nuclear fuel being burned.

The nuclear fuel leases may be terminated by the lessees or lessors with notice as defined in the agreements or by casualty or certain other contingencies, including default by the lessees. In certain situations involving a termination, the lessees may be required to purchase the leased nuclear fuel at the higher of fair market value or unamortized cost. At December 31, 1983, the Company's share of the lessors' unamortized cost of the leased nuclear fuel was \$124,891,000 and the Company expects to lease an additional \$81,262,000 of nuclear fuel under current leasing arrangements. The Company finalized a nuclear fuel trust arrangement in 1983 which provides an alternative method of financing nuclear fuel.

The Company has certain buildings under lease, including its new corporate headquarters, subject to renewal options and in certain cases purchase options.

At December 31, 1983 minimum rental payments, based principally on estimated usage of nuclear fuel under lease and building rentals, were as follows:

	(Thousands of Dollars)
1984	\$37,591
1985	32,699
1986	32,474
1987	29,269
1988	23,246
1989-1993	80,204
After 1993	83,314

The Company accounts for all of its leases (exclusive of the nuclear fuel trust arrangement described above) as operating leases in accordance with the manner in which the Company's rates have been established by the Pennsylvania Public Utility Commission. If the noncapitalized financing leases were capitalized as of December 31, 1983 and 1982, property, plant and equipment-net would have been increased by \$143,547,000 and \$117,538,000, respectively, with related increases in current liabilities and long-term debt of \$24,271,000 and \$119,761,000, respectively, in 1983 and \$12,154,000 and \$105,820,000, respectively, in 1982. The impact on net income of capitalizing such leases in each year would not be material.

**M. COMMITMENTS AND CONTINGENT LIABILITIES:**

**Construction**

The Company's current estimate of construction expenditures, exclusive of allowance for funds used during construction and nuclear fuel, during the period 1984 through 1988 amounts to approximately \$860 million, principally related to CAPCO generating units.

**Quarto Mining Company (Quarto)**

The Company and the other CAPCO companies have made long-term coal supply arrangements with Quarto, an unaffiliated company, to supply coal for the Bruce Mansfield Units. As part of these arrangements the individual CAPCO companies are severally, and not jointly, guaranteeing their proportionate shares of Quarto's debt and lease obligations incurred in connection with the development, equipping and operation of two mines from which the coal is supplied. At December 31, 1983 the Company had guaranteed the obligations of Quarto with respect to approximately \$54,142,000 of indebtedness and lease obligations relating to approximately \$28,239,000 of capital equipment for the mines. The Company expects that it will make further guarantees with respect to additional indebtedness and leased capital equipment, the amount of which will depend on the actual costs of further development of the two mines. In general, it is contemplated that the purchase prices to be paid for the coal to be received under the foregoing arrangements will include amounts sufficient to service the guaranteed obligations.

Under the terms of the coal supply contracts, which continue until December 31, 1999 with options to extend for ten additional years, the CAPCO companies must reimburse Quarto for their share of the costs of operating the Quarto mines, including those costs associated with mine construction, whether or not they receive coal from Quarto. The Company's total payments under these contracts amounted to \$28,512,000 and \$24,292,000 for the years ended December 31, 1983 and 1982, respectively.

The Company's estimated future minimum payments under the coal supply contracts related to mine construction and equipment costs are:

Year Ending December 31,	
1984	\$ 8,773,000
1985	8,567,000
1986	8,360,000
1987	8,153,000
1988	7,947,000
After 1988	78,426,000

The current price of Quarto coal to the CAPCO companies is based principally on the actual current production costs plus amortization of certain production expenses which were not included in the price of coal to the CAPCO companies during the development period, which ended on May 31, 1980. See Note G to the financial statements.

**Beaver Valley Replacement Power**

In connection with a February 20, 1981 rate order, the Commission found that the Company had not proven that the costs of replacement power during a 1979 outage of Beaver Valley Unit No. 1 were prudently incurred.

On November 19, 1982 the Commission adopted an order nisi which ordered refunds of \$12.5 million plus interest over a two-year period less a \$1 million offset from another proceeding. The order nisi became final on June 10, 1983. The Company filed an appeal with the Pennsylvania Commonwealth Court and filed with the Commission a petition for an extension of time in which to file a refund plan together with an application for a stay of the final order. On August 24, 1983 the Commission denied the application for a stay but granted the petition for an extension of time in which to file a refund plan. Subsequently, the Company filed an application with the Commonwealth Court for a stay of the final order, and on September 28, 1983 the Commonwealth Court granted the application. The Company and outside counsel do not agree with the Commission's order, and no provision has been recorded by the Company for any such refunds. While the Company is unable to predict what action the appellate courts may ultimately take and although the amount of such refunds could be substantial, management of the Company believes that the replacement power costs were prudently incurred and that the eventual outcome of this matter will not have a material effect on the Company's financial position or results of operations.

**Perry Unit No. 2**  
 In September 1983, the Ohio Office of the Consumers' Counsel, the City of Cleveland, the Board of County Commissioners of Geauga County, Ohio and three citizen groups filed a petition with the Public Utilities Commission of Ohio (Commission) and the Power Siting Board of Ohio (Board) against The Cleveland Electric Illuminating Company, Ohio Edison Company and The Toledo Edison Company (respondents) requesting that the Commission and the Board jointly and/or individually investigate the public need for the Perry Nuclear Power Plant Unit No. 2 (Unit) presently under construction by the CAPCO companies. The petitions also request that the Commission and the Board order the cessation of construction of the Unit and of the accrual by the respondents of allowance for funds used during construction with respect to the Unit and a declaration by the Commission that the issuance of securities by the respondents, the proceeds of which will be used to finance construction of the Unit, will not be approved. The respondents have filed a motion to dismiss the petition filed with the Board and an answer to the petition filed with the Commission requesting that the petition be dismissed. While the Company is not a party to the proceedings, it has a 13.74% ownership interest in the Unit. The Unit, which is presently scheduled to be placed in service in 1988, is about 43% complete. The Company's investment in the Unit, including allowance for funds used during construction, was approximately \$188 million at December 31, 1983. An order requiring the respondents to cease or terminate construction of the Unit could have the effect of cancelling the Unit. In such event, the Company would seek regulatory approval for the recovery from its customers of its then investment in the Unit, together with any related cancellation costs, net of applicable taxes. Based on its present knowledge of the proceedings, management of the Company has no reason to believe that the proceedings will result in a decision adverse to the respondents and believes that the ultimate resolution thereof will not have a material adverse effect on the Company's financial position.

**Nuclear Insurance**

The CAPCO companies have coverage with American Nuclear Insurers (ANI) and Mutual Atomic Energy Liability Underwriters (MAELU) to provide primary property insurance coverage for Beaver Valley Power Station Units Nos. 1 and 2 in the amount of \$500 million.

The CAPCO companies are members of Nuclear Electric Insurance Limited (NEIL), a mutual insurer established by the utility industry to provide Decontamination Liability and Excess Property Insurance in excess of \$500 million for members' nuclear generating facilities. NEIL presently provides such excess coverage in the amount of \$375 million plus 12%

of the amount of the loss in excess of \$500 million up to \$1 billion. Under this policy the CAPCO companies are subject to a retrospective premium assessment of approximately \$9.5 million per year for a period of seven years in the event of accidents at nuclear plants of member companies if losses exceed premiums, reserves and other NEIL resources. The Company's share of any such retrospective premium assessment would be approximately \$2.9 million.

Damages in excess of the primary \$500 million coverage are also covered by an excess property insurance policy issued to the CAPCO companies by ANI and MAELU which provides \$68 million of coverage. The ANI/MAELU and NEIL policies provide quota sharing coverage for losses in excess of \$500 million up to \$1 billion.

The property insurance policies described above provide the CAPCO companies with approximately \$1 billion of coverage on an investment in the two Beaver Valley Units at December 31, 1983 of about \$2.9 billion.

In addition, NEIL also provides insurance coverage for the extra expense of replacement power during prolonged accidental outages of nuclear plants. Coverage is provided for the Company's interest in Beaver Valley Power Station Unit No. 1 and, after a deductible period of 26 weeks, weekly payments of up to \$588,000 are provided for one year and up to \$294,000 for an additional year. If losses exceed accumulated funds available to NEIL, the Company could be assessed approximately \$1.7 million for payment of NEIL's obligations.

The Price-Anderson Amendments to the Atomic Energy Act limit liability to third parties to \$580 million for each nuclear incident. Coverage of the first \$160 million of such liability is provided through ANI and MAELU. The next \$420 million is provided by retroactive assessments of up to a limit of \$5 million per operating nuclear reactor per incident, but not more than \$10 million per operating reactor in any calendar year. Based on its present ownership interest in one operating nuclear reactor, the Company's maximum potential assessment under these provisions would be \$2.4 million per incident but not more than \$4.8 million per calendar year.

#### Rate Matters

Effective July 15, 1981 the Company increased its rates by about \$64.2 million annually in accordance with an option order of the Pennsylvania Public Utility Commission (Commission). On April 15, 1982 the Commission adopted its final order in the rate proceeding which determined that the option rate increase of \$64.2 million annually was just and reasonable. The final order was appealed to the Pennsylvania Commonwealth Court by a commercial customer. On November 29, 1983 the Court affirmed the Commission's final order. The Court's order is the subject of a petition for allowance of appeal by the commercial customer to the Pennsylvania

Supreme Court.

On April 30, 1982 the Company filed with the Commission a new rate schedule estimated to increase annual revenues by approximately \$165 million (subsequently reduced to approximately \$155 million). On January 28, 1983 the Commission entered a final order allowing an increase of \$105.8 million beginning on January 29, 1983. The Commission's order was appealed to the Pennsylvania Commonwealth Court by both the Pennsylvania Consumer Advocate and the Company. Except for the Consumer Advocate's appeal with respect to the Commission's allowance of the recovery of the cancellation costs of four nuclear generating units (see Note B to the financial statements), both appeals have been discontinued.

On April 29, 1983 the Company filed with the Commission a new rate schedule affecting all classes of customers and estimated to increase annual revenues based on projected levels of business at December 31, 1983 by approximately \$49.9 million. On September 7, 1983 the administrative law judge assigned to the rate proceeding issued a recommended decision adopting a joint petition for settlement filed by the Company, the Commission's staff, the Pennsylvania Consumer Advocate and certain of the other parties to the proceeding which provided for an increase in annual revenues of approximately \$21 million. On September 16, 1983 the Commission approved the settlement. The Company began to collect the increased rates effective September 17, 1983. Two complaints concerning rate structure issues remain pending, and further hearings with respect thereto will be scheduled.

Management believes that the ultimate resolution of these rate matters will not have a material adverse effect on the Company's financial position or results of operations.

#### Other

In connection with coal supply arrangements for its wholly-owned generating units the Company has contracted with an unaffiliated coal supplier to purchase a minimum of 750,000 tons of coal per year through December 31, 1986. In 1983 the contract was amended to provide that if the Company requests deliveries in 1983 and 1984 below the minimum annual tonnage, the Company shall make up the shortfall (plus a 63,000 ton shortfall in 1982) by purchasing additional tons during the remaining term of the contract or by extending the term of the contract. The contract also provides that any shortfall can be sold to purchasers other than the Company. The total shortfall under the contract at December 31, 1983 was approximately 317,000 tons.

The Company is involved in various other legal proceedings. In the opinion of management of the Company such legal proceedings will not have a material effect on the financial position or results of operations of the Company.

#### N. SUPPLEMENTARY INCOME STATEMENT INFORMATION:

	Year Ended December 31,		
	1983	1982	1981
	(Thousands of Dollars)		
Maintenance	\$75,947	\$78,431	\$73,029
Amortization of extraordinary property losses	6,099	—	—
Taxes other than payroll and income taxes:			
Gross receipts	35,576	33,186	34,980
Property	14,374	14,139	12,583
State capital stock	5,501	6,601	6,301

Under the system of accounting followed by the Company, a portion of maintenance expenses and of taxes other than income taxes represents amounts charged to coal inventories. The inventory accounts are relieved and operations expense charged as the coal is used.



Duquesne Light Company  
**Notes (continued)**

**O. QUARTERLY FINANCIAL INFORMATION (Unaudited):**

The following is a summary of selected quarterly financial data (in thousands of dollars, except per share amounts):

	1983 Quarter Ended				1982 Quarter Ended			
	March 31	June 30	Sept. 30	Dec. 31	March 31	June 30	Sept. 30	Dec. 31
Electric Operating Revenues (a)	\$185,848	\$198,666	\$215,141	\$200,690	\$207,398	\$186,628	\$181,720	\$170,716
Operating Income (a)	43,918	45,287	49,491	47,976	41,662	38,480	40,223	34,942
Income from Continuing Electric Operations Before Extraordinary Gain	32,975	34,883	39,392	37,977	32,296	28,990	30,845	25,066
Discontinued Steam Heating Operations (b)	—	—	—	—	371	(484)	(9,811)	—
Extraordinary Gain (c)	—	—	—	—	—	—	—	9,609
Net Income	32,975	34,883	39,392	37,977	32,667	28,506	21,034	34,675
Earnings Per Share:								
Income from Continuing Electric Operations Before Extraordinary Gain	.51	.54	.60	.56	.58	.51	.51	.37
Discontinued Steam Heating Operations (b)	—	—	—	—	.01	(.01)	(.20)	—
Extraordinary Gain (c)	—	—	—	—	—	—	—	.19
Net Income	.51	.54	.60	.56	.59	.50	.31	.56

- (a) Certain amounts previously reported as Operating Revenues and Operating Income for the first two quarters of 1982 have been reclassified to set forth separately the results of the steam heating subsidiary as discontinued steam heating operations.  
 (b) See Note C to the financial statements for a discussion of discontinued steam heating operations.  
 (c) See Note D to the financial statements for a discussion of the extraordinary gain from early extinguishment of bonds.

**P. SUPPLEMENTARY INFORMATION TO DISCLOSE THE EFFECTS OF CHANGING PRICES (Unaudited):**

The following supplementary information is supplied in accordance with the requirements of the Statement of Financial Accounting Standards No. 33, Financial Reporting and Changing Prices. This Statement requires adjustments to historical costs to estimate the effects that general inflation (constant dollar) and changes in specific prices (current cost) have had on the Company's results of operations. The data provided are not intended as a substitute for earnings reported on a historical basis, but offer some perspective of the approximate effects of inflation rather than a precise measurement of these effects.

**STATEMENT OF INCOME ADJUSTED FOR CHANGING PRICES**

For The Year Ended December 31, 1983

(Thousands of Dollars)

	Conventional Historical Cost	Constant Dollar Average 1983 Dollars	Current Cost Average 1983 Dollars
Electric operating revenues	\$800,345	\$800,345	\$800,345
Fuel	192,512	192,512	192,512
Purchased power (sales)—net	(7,330)	(7,330)	(7,330)
Other operation and maintenance expenses	201,204	201,204	201,204
Depreciation expense	73,682	157,841	174,112
Taxes other than income taxes	60,651	60,651	60,651
Income taxes	92,954	92,954	92,954
Other income and deductions—net	(67,715)	(67,715)	(67,715)
Interest charges	109,161	109,161	109,161
	655,119	739,278	755,549
Income from continuing electric operations (excluding reduction of property, plant and equipment to net recoverable cost)	\$145,226	\$ 61,067*	\$ 44,796
Increase in specific prices (current cost) of property, plant and equipment held during the year**			\$251,349
Reduction of property, plant and equipment to net recoverable cost		\$(18,925)	(40,924)
Effect of increase in general price level			(213,079)
Excess of increase in general price level over increase in specific prices after reduction of property, plant and equipment to net recoverable cost			(2,654)
Gain from decline in purchasing power of net amounts owed		67,732	67,732
Net		\$ 48,807	\$ 65,078

\*Including the reduction of property, plant and equipment to net recoverable cost, the net income on a constant dollar basis would have been \$42,142.

\*\*At December 31, 1983, current cost of property, plant and equipment, net of accumulated depreciation, was \$5,369,693, while historical cost or net cost recoverable through depreciation was \$2,739,890.

**FIVE-YEAR COMPARISON OF SELECTED SUPPLEMENTARY FINANCIAL DATA  
ADJUSTED FOR EFFECTS OF CHANGING PRICES**

(In Thousands, Except Per Share Amounts)

Year Ended December 31,

	1983	1982	1981	1980	1979
<b>Average 1983 dollars:</b>					
<b>Electric operating revenues</b>	\$800,345	\$770,733	\$861,562	\$816,090	\$839,296
<b>Historical cost information adjusted for general inflation:</b>					
Income from continuing electric operations (excluding reduction of property, plant and equipment to net recoverable cost) (1)	61,067	38,247	39,552	42,042	44,888
Income per share from continuing electric operations (after dividend requirements on preferred and preference stock) (1)	.69	.31	.34	.36	.38
Net assets at year-end at net recoverable cost	940,854	896,216	832,000	833,932	857,570
<b>Current cost information:</b>					
Income from continuing electric operations (excluding reduction of property, plant and equipment to net recoverable cost) (1)	44,796	23,564	23,433	23,228	21,453
Income (loss) per share from continuing electric operations (after dividend requirements on preferred and preference stock) (1)	.40	—	(.04)	(.13)	(.34)
Excess of increase in general price level over increase in specific prices after reduction of property, plant and equipment to net recoverable cost	2,654	(237)	120,532	235,444	237,872
Net assets at year-end at net recoverable cost	940,854	896,216	832,000	833,932	857,570
<b>General information:</b>					
Gain from decline in purchasing power of net amounts owed	67,732	64,128	148,054	206,745	237,532
Cash dividends declared per share of common stock	2.00	1.96	2.02	2.18	2.43
Market price per share of common stock at year-end	13.50	15.23	14.52	15.27	18.70
Average consumer price index	298.5	289.1	272.4	246.8	217.5
<b>Historical basis:</b>					
Electric operating revenues	\$800,345	\$746,462	\$786,229	\$674,744	\$611,547
Cash dividends declared per share of common stock	\$ 2.00	\$ 1.90	\$ 1.85	\$ 1.80	\$ 1.76
Market price per share at year-end	\$13.50	\$14.75	\$13.25	\$12.63	\$13.63
Proven and probable coal reserves at beginning of year (tons)	25,100	26,300	28,100	29,900	30,650
Tons of coal mined	785	942	680	875	928
Average cost per ton of mined coal	\$36.59	\$31.62	\$35.10	\$31.14	\$28.71

(1) Amounts for 1982 are before extraordinary gain. Amounts for 1979 are before cumulative effect of accounting change.

Constant dollar amounts represent historical costs stated in terms of equal purchasing power, as measured by the Consumer Price Index for all Urban Consumers. Current cost amounts reflect the changes in specific prices of plant from the date the plant was acquired to the present and differ from constant dollar amounts to the extent that specific prices have increased more or less rapidly than prices in general.

The current cost of property, plant and equipment, which includes land, land rights, intangible plant, property held for future use, construction work in progress and nuclear fuel in process, represents the estimated cost of replacing existing plant assets and was primarily determined by indexing surviving plant by the Handy-Whitman Index of Public Utility Construction Costs. The current cost of coal properties was determined by indexing coal reserves and machinery and equipment by the Marshall-Stevens Mining and Milling Index. The current year's provision for depreciation and depletion on the constant dollar and current cost amounts of property, plant and equipment was determined by applying the Company's depreciation and depletion rates to the indexed plant amounts.

Fuel inventories, the cost of fuel used in generation and purchased power have not been restated from their historical cost

in nominal dollars. Rate regulation limits the recovery of fuel and purchased power costs through the operation of adjustment clauses or adjustments in basic rate schedules to actual costs. For this reason fuel inventories are effectively monetary assets.

As prescribed in Statement 33, income taxes were not adjusted.

The regulatory process limits the Company to the recovery of the cost of service in its rates. Therefore, any excess of the value of plant in constant dollars or current cost must be reduced to the net recoverable cost, which is historical cost. The amount of this excess that accumulated as a result of inflation in the current year must be reduced to net recoverable cost.

The Company, by holding assets such as receivables, prepayments and inventory, suffers a loss of purchasing power during periods of inflation because the amount of cash received in the future for these items will purchase less. Conversely, by owing monetary liabilities, primarily long-term debt, the Company benefits because the payment in the future will be made with nominal dollars having less purchasing power. The Company has significant amounts of long-term debt outstanding which will be paid back in dollars having less

Duquesne Light Company  
**Notes (continued)**

purchasing power and, therefore, for purposes of these calculations, has a net gain from holding monetary liabilities in excess of monetary assets.

The regulatory process limits the amount of depreciation expense included in the Company's revenue allowance and limits utility plant in rate base to original cost. Such amounts produce cash flows which are inadequate to replace such property in the future or preserve the purchasing power of common

equity capital previously invested. While this effect is partially mitigated by the benefit derived from holding long-term debt, the Company has a net purchasing power loss which is experienced by the common shareholder and can only be overcome by adequate rate relief. However, the Company expects that it will be able to establish rates which will recover the increased costs of new plant.

Duquesne Light Company  
**Selected Financial Data and Statistical Summary**

(Thousands of Dollars, Except Per Share Amounts)

	1983	1982	1981	1980	1979	1973
<b>SUMMARY RESULTS OF OPERATIONS</b>						
Residential revenues	267,110	238,496	223,146	196,400	176,744	79,113
Commercial revenues	290,370	263,374	243,501	209,871	185,880	75,113
Industrial revenues	221,107	225,292	300,066	250,295	232,389	80,274
Street lighting and other revenues	14,357	13,240	12,383	11,052	10,370	4,762
Miscellaneous revenues	7,401	6,060	7,133	7,126	6,164	2,580
Total electric revenues	800,345	746,462	786,229	674,744	611,547	241,842
Operation and maintenance expenses	386,386	399,527	435,589	380,973	351,731	111,383
Depreciation	73,682	62,939	60,854	53,316	47,885	23,211
Taxes other than income taxes	60,651	57,476	57,694	47,637	46,956	20,462
Income taxes	76,194	53,307	57,801	50,643	41,592	15,864
Interest charges, net of allowance for borrowed funds used during construction	109,161	100,344	92,968	75,629	65,414	32,460
Other income, principally allowance for equity funds used during construction	50,955	44,328	28,086	26,749	21,587	13,496
Income from continuing electric operations before extraordinary gain	145,226	117,197	109,409	93,295	79,556	51,958
Loss from discontinued steam heating operations	—	9,924	538	333	1,194	133
Income before extraordinary gain	145,226	107,273	108,871	92,962	78,362	51,825
Extraordinary gain	—	9,609	—	—	—	—
Net income	145,226	116,882	108,871	92,962	82,207 <sup>†</sup>	51,825
Dividends on Preferred and Preference Stock	22,411	22,701	22,976	23,353	23,721	9,233
Earnings for Common Stock	122,815	94,181	85,895	69,609	58,486	42,592
Average number of common shares outstanding	55,883	48,236	41,764	38,267	32,239	18,181
Earnings per share of Common Stock:						
Income from continuing electric operations	2.20	1.96	2.07	1.83	1.73	2.35
Net income	2.20	1.95	2.06	1.82	1.81 <sup>†</sup>	2.34
Dividends declared on Common Stock	2.00	1.90	1.85	1.80	1.76	1.72
<sup>†</sup> Includes cumulative effect to January 1, 1979 of the change in billing practice, net of income taxes, of \$3,845 or \$.12 per share.						
<b>PLANT</b>						
Property, plant and equipment	3,293,481	3,024,554	2,809,753	2,604,333	2,380,805	1,423,135
Accumulated depreciation	555,641	504,680	477,009	424,653	386,479	265,459
Property, plant and equipment—net	2,737,840	2,519,874	2,332,744	2,179,680	1,994,326	1,157,676
<b>TOTAL ASSETS</b>	<b>3,145,811</b>	<b>2,883,424</b>	<b>2,668,577</b>	<b>2,447,163</b>	<b>2,222,537</b>	<b>1,256,291</b>

	1983	1982	1981	1980	1979	1973
<b>CAPITALIZATION</b>						
Common Stock	58,420	53,277	45,303	40,166	35,550	20,400
Capital surplus	724,147	649,376	550,244	494,228	433,984	214,157
Retained earnings	175,938	165,340	163,705	155,102	155,328	125,261
Non-redeemable Preferred and Preference Stock	156,137	156,137	156,137	156,137	156,137	96,137
Redeemable Preferred and Preference Stock	134,979	140,829	143,924	146,867	149,998	62,482
First mortgage bonds	1,100,147	1,006,637	983,870	918,230	808,830	578,160
Other long-term debt	234,019	199,934	176,682	126,981	127,436	66,140
Unamortized debt discount and premium—net	(10,967)	(9,488)	(9,453)	(7,161)	(5,770)	—
Total capitalization	2,572,820	2,362,042	2,210,412	2,030,550	1,861,493	1,162,737
<b>RESIDENTIAL SERVICES</b>						
Average use per customer (kilowatt-hours)	5,752	5,668	5,698	5,770	5,629	5,552
Average revenue per kilowatt-hour	9.195¢	8.361¢	7.806¢	6.828¢	6.363¢	3.031¢
<b>SALES OF ELECTRICITY</b> (millions of kilowatt-hours)						
Residential	2,905	2,853	2,858	2,876	2,778	2,610
Commercial	4,257	4,163	4,069	4,024	3,870	3,638
Industrial	3,717	3,902	6,582	6,272	6,546	6,181
Street lighting and other	111	120	125	129	131	118
Total	10,990	11,038	13,634	13,301	13,325	12,547
<b>ENERGY SUPPLY AND PRODUCTION DATA</b>						
Energy supply (millions of kilowatt-hours)						
Generated in system plants	11,900	12,352	13,914	13,485	13,884	12,979
Purchased and net interchange	(164)	(689)	410	541	125	336
Losses and company use	(746)	(625)	(690)	(725)	(684)	(768)
Total	10,990	11,038	13,634	13,301	13,325	12,547
Generating capability (thousands of kilowatts)	3,148	3,144	3,177	3,179	3,294	2,620
Peak load (thousands of kilowatts)	2,184	2,158	2,522	2,474	2,296	2,296
Cost of fuel per million BTU	167.140¢	167.865¢	159.660¢	149.768¢	131.779¢	42.454¢
BTU per kilowatt-hour generated	10,635	10,853	10,931	10,811	10,924	10,333
Average production cost per kilowatt-hour	2.541¢	2.575¢	2.354¢	2.202¢	1.913¢	0.540¢
<b>NUMBER OF ELECTRIC CUSTOMERS—</b> At End of Year						
Residential	505,781	503,987	503,044	500,466	496,005	471,641
Commercial	49,493	49,320	48,859	48,308	47,978	45,975
Industrial	1,984	1,999	2,016	2,005	1,975	1,765
Street lighting and other	1,633	1,647	1,713	1,725	1,746	1,852
Total	558,891	556,953	555,632	552,504	547,704	521,233

# Management's Discussion and Analysis of Financial Condition and Results of Operations

## Capital Resources and Liquidity

### Construction

Construction expenditures during 1983, exclusive of allowance for funds used during construction and nuclear fuel, were approximately \$224 million. These expenditures were primarily for the construction of three CAPCO generating units in addition to improving and expanding production, transmission and distribution systems and pollution control equipment.

The Company currently estimates that it will spend, exclusive of allowance for funds used during construction and nuclear fuel, approximately \$235, \$203, \$158, \$137 and \$127 million for each of the years 1984 through 1988, respectively. These estimates include an aggregate of approximately \$294 million for the three jointly-owned nuclear generating units being constructed under the CAPCO arrangements, including related transmission facilities. See Note K to the financial statements.

The amount which the Company must spend for its construction program is regularly under review and is subject to changes influenced by business and economic conditions and other factors, such as escalation of labor, material and equipment costs, rate of construction progress, the development of environmental and nuclear safety regulations, service reliability and system efficiencies. In addition, this review also must take into account difficulties in obtaining rate increases sufficient to generate adequate earnings, possible changes in load growth trends and, in the case of the CAPCO construction program, the ability of each of the CAPCO companies to finance its capital requirements.

The Company finances its nuclear fuel requirements primarily by leasing and through a trust arrangement. See Note L to the financial statements. In the third quarter of 1983 the Company entered into arrangements permitting the lease of an additional \$60 million of nuclear fuel.

### Financing

The Company anticipates that funds required for planned construction expenditures in the next several years will be provided principally from the issuance of additional equity and debt securities and in part from cash becoming available from operations. The Company issued \$60 million of 12½% First Mortgage Bonds on April 14, 1983 and \$50 million of 13% First Mortgage Bonds on December 6, 1983. On August 2, 1983 the Company issued and sold 2,475,000 shares of Common Stock. Net proceeds from the sale of the Common Stock were approximately \$39.4 million. Funds provided to the Company under its Dividend Reinvestment Plan in 1983 amounted to approximately \$39 million, and an additional \$10.2 million was reinvested on January 1, 1984. On November 1, 1983 the Ohio Air Quality Development Authority issued \$29.5 million of pollution control revenue bonds to reimburse the Company for its share of the cost of certain pollution control facilities at Unit No. 7 of the Sammis Power Station. The bonds have an interest rate of 10½%, and principal and interest on the bonds will be funded by the Company. Portions of the net proceeds from

these issues were used to pay short-term indebtedness incurred principally for construction purposes, and the balance was applied to construction expenditures. The Company currently estimates that approximately 76% of the funds required for its 1984 construction program will come from outside financing. The Company plans to sell additional First Mortgage Bonds in March 1984. The exact timing and amount of this sale will depend on market conditions.

In addition to the funds required for the construction program \$16.8 million was required in 1983 for maturities of long-term debt and sinking fund and purchase requirements, and \$21.4 million will be required in 1984 for such purposes.

Interim financing will be through bank borrowings and sales of commercial paper. In addition, the Company has available a revolving credit arrangement with two banks which allows the Company to borrow up to an aggregate of \$60 million through 1986 and to convert the revolving loans to term loans for an additional three years. See Note F to the financial statements. Variable market and general economic conditions may affect the Company's selection of financing alternatives and adversely affect its ability to raise capital. In order to maintain earnings adequate to finance construction expenditures and refunding requirements, the Company requires rate increases sufficient to offset increased costs and provide a fair rate of return.

The Restated Articles of the Company require that for the issuance of Preferred Stock, earnings (after income taxes) available for interest charges be at least 1.5 times the sum of interest charges on all indebtedness and Preferred Stock dividend requirements. This restriction currently precludes the Company from issuing Preferred Stock. There is no similar restriction upon the issuance of the Company's Preference or Common Stock.

### Rate Matters

On January 28, 1983 the Public Utility Commission entered a final order allowing an annual rate increase of \$105.8 million beginning on January 29, 1983. See Note M to the financial statements.

On April 29, 1983 the Company filed a request for a \$49.9 million annual rate increase with the Commission. On September 16, 1983 the Commission approved a settlement allowing an increase of approximately \$21 million beginning on September 17, 1983. See Note M to the financial statements.

### Extraordinary Property Losses

In 1980 the CAPCO companies cancelled the construction of four nuclear generating units. In January 1983 the Commission approved the recovery of the accumulated costs from the Company's customers but did not allow any return on these costs. See Note B to the financial statements.

### Deferred Coal Costs

By Interim Order entered January 12, 1981 the Commission directed that the Company limit its recovery of the cost of Quarto coal through its energy cost rate to approximately the prevailing market price of similar coal rather than the actual cost of Quarto coal. The Company is deferring the excess of the actual cost of Quarto coal over the cost being recovered through its energy cost rate until recovery of the actual cost is permitted by the Commission. If recovery of such excess is disallowed, the amount deferred would be charged to income in the year of disallowance. See Note G to the financial statements.

### Beaver Valley Replacement Power

In connection with a February 20, 1981 rate order, the Commission found that the Company had not proven that the costs of replacement power during the 1979 outage of Beaver Valley Unit No. 1 were prudently incurred. Further hearings in the Beaver Valley refund proceedings were held, and on November 19, 1982 the Commission adopted an order nisi which ordered refunds of \$12.5 million plus interest over a two-year period. The order nisi became final on June 10, 1983, and the Company has filed an appeal with the Commonwealth Court. See Note M to the financial statements.

### Allegheny County Steam Heating Company

On September 30, 1982 a final order of the Commission approved the discontinuance of steam service by the Company's steam heating subsidiary effective May 31, 1983 and the transfer of a major portion of the assets of the subsidiary to Pittsburgh Allegheny County Thermal, Ltd. for nominal consideration. The transfer of assets became effective June 1, 1983. See Note C to the financial statements. Since the subsidiary had been losing money over the past several years, the disposition should improve the Company's financial condition and results of operations.

### Other

Under provisions of the Economic Recovery Tax Act of 1981 eligible individuals who are participants in the Company's Dividend Reinvestment Plan may elect to exclude from current federal taxable income each tax year from 1982 through 1985 the fair market value of Common Stock received from the reinvestment of dividends to the extent the aggregate fair market value of such shares does not exceed \$750 (\$1,500 for spouses who file a joint return.) This provision has provided incentive for stockholders to reinvest dividends and thereby ease the cash requirements of the Company.

The Company has generated in each year funds from operations sufficient to meet its operating expenses, pay dividends and finance a portion of its capital needs. The demands and commitments detailed in Note M to the financial statements and those noted above are not expected to materially affect the Company's ability to finance its operations or its construction program.

### Results of Operations

Operating revenues from continuing electric operations increased (decreased) in the years 1981 through 1983 over the respective preceding years, for the following reasons:

	1983	1982	1981
	(Millions of Dollars)		
General rate increases	\$88.4	\$ 43.0	\$ 65.6
Electrical consumption	(10.0)	(62.3)	10.5
Energy clause revenues	(31.0)	(19.0)	33.9
State tax adjustment and other	6.5	(1.5)	1.5
	\$53.9	\$(39.8)	\$111.5

The operating revenues of the Company are based on rates authorized by the Pennsylvania Public Utility Commission. These rates are designed to recover the Company's operating expenses, plus a rate of return on the investment in utility rate base. The Company also has an energy cost rate which allows it to recover the difference between actual fuel costs and fuel costs included in base rates. Any overcollections of revenues are refunded, with interest, to customers.

The Company was permitted two rate increases in 1983 effective January 29 and September 17. See Note M to the financial statements. The decreases in electrical consumption in 1982 and 1983 were due primarily to the severe impact of the economic recession in the Company's service area, particularly on steel and other industrial customers.

The decrease in operation (fuel, purchased power and other operation) and maintenance expenses in 1983 compared to 1982 was due primarily to a substantial reduction in fuel expenses resulting from higher generation from the Beaver Valley No. 1 nuclear unit, decreased deferred fuel expenses and lower kilowatt-hour sales. Net sales of power to other utilities decreased as the market for such sales was not as favorable in 1983. The decrease in operation expenses in 1982 compared to 1981 was due to substantial reductions in purchased power and fuel expenses. The significant reduction in kilowatt-hour sales to industrial customers resulted in a surplus capacity situation. This available capacity and the requirements of neighboring utilities resulted in substantial net sales of power in 1982. Other operation and maintenance expenses increased in 1982 compared to 1981 due to a scheduled outage for refueling and modification work at Beaver Valley Unit No. 1 and increased customer, general and administrative expenses.

Depreciation expense increased in 1983 compared to 1982 as a result of increases in utility plant and changes in depreciation rates to conform with the depreciation rates allowed by the Pennsylvania Public Utility Commission in its rate orders. Additionally, depreciation expense includes the amortization of the cancelled nuclear generating units and Shippingport. See Note B to the financial statements.

Income taxes increased in 1983 compared to 1982 principally as a result of increased taxable income. The effective income tax rate for the three years ended December 31, 1983, 1982 and 1981 was 34%, 31% and 35%, respectively.

The increases in allowance for equity and for borrowed funds used during construction (AFC) were primarily due to the increased cost of construction and increases in the AFC rate from 7.6% in 1981 to 8.5% in 1982 and to 9.6% in 1983. Fluctuations in interest income resulted from changes in cash available for temporary investments. Interest expense for each of the years 1983, 1982 and 1981 was higher due to increased total borrowings to finance the Company's capital expenditures.

In 1982 the Company's subsidiary discontinued its steam heating operations resulting in a charge to earnings of \$9.9 million, or \$.21 per share. See Note C to the financial statements.

A non-taxable extraordinary gain of approximately \$9.6 million, or \$.20 per share, in December 1982 resulted from the exchange with an investment banking firm of newly issued common shares for certain First Mortgage Bonds having an exchange value substantially lower than their face value. See Note D to the financial statements.

Earnings per share of Common Stock for 1983, 1982 and 1981 were adversely affected by increases in the average number of shares outstanding, which reduced earnings per share by \$.35, \$.31 and \$.18, respectively.

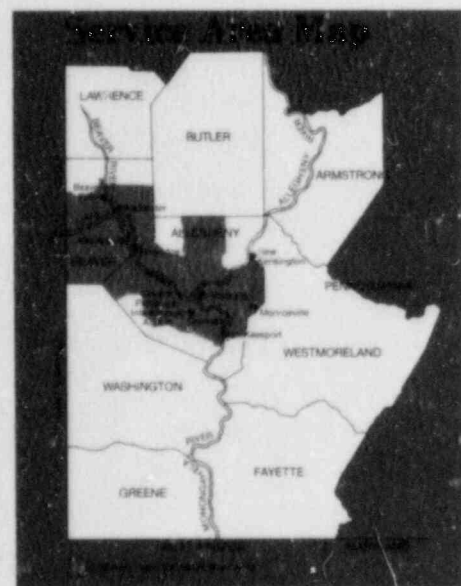
The Company has prepared information on the effects of inflation and changing prices in accordance with the Financial Accounting Standards Board's Statement No. 33. Such information is in Note P to the financial statements.

## Business of the Company

Duquesne Light Company is engaged principally in the production, transmission, distribution and sale of electric energy. The Company serves an area of approximately 800 square miles in Allegheny and Beaver Counties. This area, which includes the City of Pittsburgh, is located in Southwestern Pennsylvania and has a population of about 1,430,000.

The executive offices of Duquesne Light are located at: One Oxford Centre  
301 Grant Street  
Pittsburgh, Pennsylvania 15279.

**Duquesne Light Company is an Equal Opportunity Employer.**



## 1973-1983 Dimensions Magazine

In mid-year 1984, the Company plans to publish *Duquesne Light Dimensions*, containing in-depth information concerning the Company. *Dimensions* will include an 11-year statistical review and a discussion of some of the important issues affecting Duquesne Light Company. For a copy of *Dimensions* write:

Duquesne Light Company  
Public Information (30-5)  
One Oxford Centre  
301 Grant Street  
Pittsburgh, Pennsylvania 15279

## Common Stock Dividends

The Company has paid cash dividends on its Common Stock in each year since 1913 and on a regular quarterly basis (January 1, April 1, July 1 and October 1) in each year beginning in 1953 after becoming publicly owned. Quarterly dividends related to the four quarters of 1982 were paid at the rate of 47½¢ per share. Commencing April 1, 1983 the quarterly dividend rate was increased to 50¢ per share. Future dividends will depend upon future earnings, the cash position of the Company, construction requirements, rate regulation and other relevant factors. The Company expects that dividends will continue to be paid in the future.

Dividends may be paid on the Common Stock to the extent permitted by law and as declared by the Board of Directors, subject to the provisions of the Company's Restated Articles which restrict the payment of cash dividends or other distributions on, or the purchase of, its capital stock ranking junior to the Preferred Stock (col-

lectively referred to as "junior stock payments").

No dividends or distributions may be made on the Common Stock if dividends or sinking or purchase fund obligations on the Preferred Stock or Preference Stock are accumulated and unpaid. Furthermore, the aggregate amount of junior stock payments which may be made in any 12-month period are in general limited to (1) 50% of consolidated net income for any period of 12 consecutive calendar months within the 15 preceding months if the effect of such payments would be to reduce the ratio of common stock equity to total capitalization to less than 20% or (2) 75% of such consolidated net income if the effect would be to reduce such ratio to 20% or more but less than 25%. No portion of retained earnings at December 31, 1983 was restricted by virtue of this provision. The approximate number of holders of Common Stock as of the March 2, 1984 record date for the 1984 Annual Meeting was 145,000.

## Federal Income Tax Status of Common Stock Dividends

The Company estimates that portions of the Common Stock dividends paid in 1983 represent a return of capital and are not taxable as dividend income as follows:

Payment Dates	Taxable As Dividend Income	Not Taxable As Dividend Income
Jan. 1	100.00%	0.00%
Apr. 1	87.63%	12.37%
July 1	70.30%	29.70%
Oct. 1	70.30%	29.70%

These estimates are subject to audit by the Internal Revenue Service.

## Form 10-K Offer

If you are a holder or beneficial owner of any class of the Company's stock as of March 2, 1984, the record date for the 1984 Annual Meeting, the Company will send you, upon request and at no charge, a copy of the Com-

pany's Annual Report on Form 10-K filed with the Securities and Exchange Commission for the year 1983 (including a list of exhibits). All requests must be made in writing to the Secretary, Duquesne Light Company, One Oxford Centre, 301 Grant Street, Pittsburgh, Pennsylvania 15279.

## CAPCO

In 1967, Duquesne Light joined with four other electric utilities to form the Central Area Power Coordination (CAPCO) group.

Prior to 1980, ten generating units were committed under the CAPCO arrangements, which provided for joint ownership interests based on individual requirements. Duquesne Light shares in nine of these units. To date, seven are in service; three will be placed in service, one each in 1985, 1986 and 1988.

Since 1980 each CAPCO company has been responsible for establishing its own level of reserve and its own generating capacity needs beyond the jointly-owned units still under construction. Duquesne Light is now developing a program to meet its future capacity requirements.

### \*Duquesne Light Company

<i>Beaver Valley #1</i> Nuclear—1976 Capacity: 810,000 KW D.L. Ownership: 47.5% D.L. Share: 385,000 KW	<i>Beaver Valley #2</i> Nuclear—1986 Capacity: 833,000 KW D.L. Ownership: 1.74% D.L. Share: 114,000 KW
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### \*Pennsylvania Power Company

<i>Mansfield #1</i> Coal—1976 Capacity: 780,000 KW D.L. Ownership: 29.3% D.L. Share: 228,000 KW	<i>Mansfield #2</i> Coal—1977 Capacity: 780,000 KW D.L. Ownership: 8.0% D.L. Share: 62,000 KW
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*Mansfield #3*  
Coal—1980  
Capacity: 800,000 KW  
D.L. Ownership: 13.74%  
D.L. Share: 110,000 KW

### \*Ohio Edison Company

*Sammis #7*  
Coal—1971  
Capacity: 600,000 KW  
D.L. Ownership: 31.2%  
D.L. Share: 187,000 KW

### \*The Cleveland Electric Illuminating Company

<i>Perry #1</i> Nuclear—1985 Capacity: 1,205,000 KW D.L. Ownership: 13.74% D.L. Share: 165,000 KW	<i>Perry #2</i> Nuclear—1988 Capacity: 1,205,000 KW D.L. Ownership: 13.74% D.L. Share: 165,000 KW
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*Eastlake #5*  
Coal—1972  
Capacity: 648,000 KW  
D.L. Ownership: 31.2%  
D.L. Share: 202,000 KW

### \*The Toledo Edison Company

*Davis-Besse #1*  
Nuclear—1977  
Capacity: 880,000 KW  
D.L. Ownership: 0  
D.L. Share: 0

\*Constructing and operating company

## Board of Directors

John M. Arthur †‡  
Chairman of the Board and President

Charles M. Atkinson  
Vice President—Finance and Accounting Group

Henry G. Allyn, Jr. \*†  
Retired President and Chief Executive Officer of The Pittsburgh and Lake Erie Railroad Company

Daniel Berg †‡  
Provost and Vice President for Academic Affairs, Rensselaer Polytechnic Institute

Doreen E. Boyce \*†‡  
Director, The Buhl Foundation

John H. Demmler †  
Partner, Reed Smith Shaw & McClay Attorneys-at-Law

Sigo Falk \*  
Associate Director, Health Systems Agency of Southwestern Pennsylvania

William H. Knoell †  
President and Chief Executive Officer, Cyclops Corporation

G. Christian Lantzsch \*‡  
Vice Chairman of Mellon Bank, N.A. and Vice Chairman and Treasurer of Mellon National Corporation

Eric W. Springer †‡  
Partner, Harty, Springer and Mattern Attorneys-at-Law

\* Member of Audit Committee

† Member of Compensation Committee

‡ Member of Employment and Community Relations Committee

‡ Member of Nominating Committee

## Transfer Agents and Registrars

Common, Preference and Preferred Stock  
Pittsburgh National Bank,  
Pittsburgh  
Chemical Bank, New York

## Annual Meeting of Stockholders

The annual meeting of stockholders will be held at 10 a.m., Pittsburgh time, on Tuesday, April 17, 1984 in the David L. Lawrence Convention Center, Pittsburgh, Pennsylvania.

## Company Officers

John M. Arthur  
Chairman of the Board and President

Charles M. Atkinson  
Vice President—Finance and Accounting Group

Roger D. Beck  
Vice President—Administrative Services Group

John J. Carey  
Vice President—Nuclear Group

Clifford N. Dunn  
Vice President—Power Supply Group

William F. Gilfillan, Jr.  
Vice President—Customer Services Group

George I. Rifendifer  
Vice President—General Services

Walter T. Wardzinski \*  
Vice President—Legal and Corporate Communications

Earl J. Woolever  
Vice President—Nuclear Engineering and Construction

James O. Ellenberger  
Controller

Ronald G. Males  
Treasurer

Thomas Welfer, Jr.  
Secretary

Richard J. Ciora  
Assistant Treasurer

Lawrence P. Galie  
Assistant Treasurer

Joan S. Senchyshyn  
Assistant Secretary

\*Effective December 1, 1983, the Board of Directors appointed Walter T. Wardzinski Vice President of Legal and Corporate Communications. Mr. Wardzinski's responsibilities will include legal services, public information, public affairs and the Secretary's office. Prior to his appointment as Vice President, Mr. Wardzinski was General Attorney of the Company.





**Duquesne Light**

One Oxford Centre  
Pittsburgh, PA 15279



**OHIO EDISON**  
The Energy Makers

# *ANNUAL REPORT* **1983**

840-320310

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## Ohio Edison System

The Ohio Edison System is the 18th largest investor-owned electric system in the United States, based on total kilowatt-hour sales, and consists of Ohio Edison Company and its wholly owned subsidiary, Pennsylvania Power Company. Ohio Edison, headquartered in Akron, Ohio, provides electric service to more than 844,000 customers. Penn Power, in New Castle, Pennsylvania, serves more than 126,000 customers. The System's service area covers approximately 9,000 square miles and includes several of the most highly industrialized cities and agriculturally productive regions in Ohio and Pennsylvania. Ohio Edison has a second wholly owned subsidiary, Ohio Edison Finance N.V., a Netherlands Antilles (West Indies) corporation established to expand the Company's access to foreign investors.

## Service Area

Ohio Edison Company and  
Pennsylvania Power Company

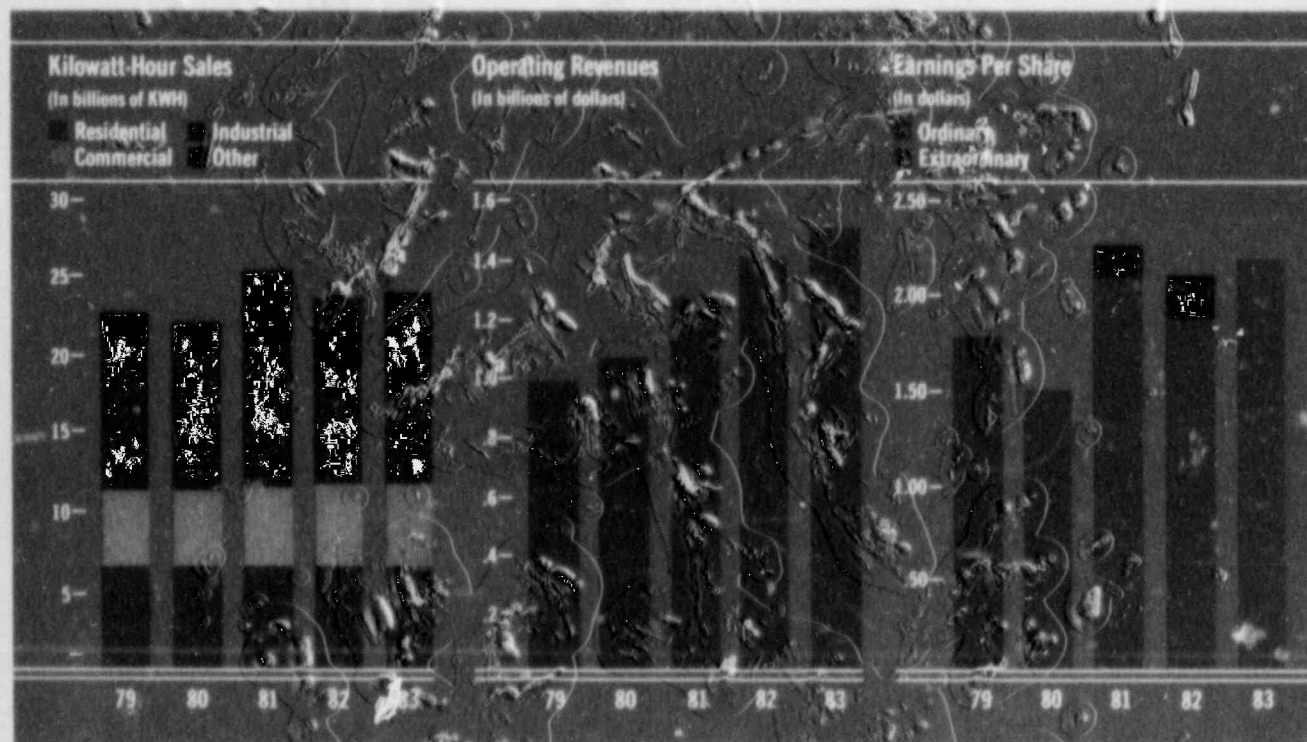


## Financial Highlights

1

For the Years Ended December 31	1983	1982	Change
	(In millions, except per share amounts)		
Kilowatt-Hour Sales	24,345.4	24,025.5	+ 1.3%
Operating Revenues	\$1,515.9	\$1,429.5	+ 6.0%
Fuel Expense	420.3	432.7	- 2.9%
Operating Income	302.8	269.6	+ 12.3%
Allowance for Funds Used During Construction, Net	203.7	160.3	+ 27.1%
Interest and Other Charges	319.8	310.4	+ 3.0%
Income Before Extraordinary Item	272.4	196.6	+ 39.3%
Net Income	272.4	215.7	+ 26.3%
Earnings on Common Stock	227.8	181.5	+ 25.5%
Earnings Per Common Share:			
Before Extraordinary Item	\$2.22	\$1.89	+ 17.5%
Earnings on Common Stock	2.22	2.13	+ 4.2%
Dividends Per Common Share*	\$1.80	\$1.76	+ 2.3%
Dividends on Capital Stock	\$230.8	\$185.8	+ 24.2%
Construction Expenditures:			
Construction of Facilities	\$690.8	\$649.9	
Nuclear Fuel	55.0	124.3	
	\$745.8	\$774.2	- 3.7%
Internally Generated Funds	204.4	136.4	+ 49.9%
Net Financing Activities	483.4	683.5	- 29.3%
Return on Average Common Equity	14.2%	13.5%	

\*The quarterly dividend was increased to 46 cents per share (\$1.84 on an annual basis) beginning with 1983 dividend payable on March 30, 1983.





## President's Message

Many things came together to make 1983 a successful year for the Company. But one of the most important doesn't appear in our financial statements: I'm referring to the stockholders' continuing support of our efforts to move the Company forward.

With that in mind, I hope you will share with employees the satisfaction of being an important part of one of our better years.

Earnings were up 4.2 percent over 1982 to \$2.22 per share of common stock, despite a larger number of shares outstanding and an extraordinary gain of 24 cents per share in 1982.

An improved economy, sales to other utilities and rate adjustments combined to push annual revenues up 6.0 percent to \$1.5 billion. Kilowatt-hour sales to retail and wholesale customers were up 3.7 percent, led by significant increases in sales to industrial customers, particularly in the automotive and steel industries.

The Board of Directors, recognizing that there has been measurable progress in performance which should have long-range benefits, increased the quarterly dividend to 46 cents per share, effective with the first quarter of 1984.

### 1983's Accomplishments

For the third consecutive year, we were highly successful in selling bulk power to other utilities—representing \$76.2 million of revenues in 1983. A portion of those revenues resulted from two major long-term sales contracts that should add a total of over \$553 million of predictable revenue into the 1990s.

Aggressive cost-cutting measures helped to reduce operation and maintenance expenses by \$19.7 million from the previous year...and, importantly, it was done without sacrificing the overall performance of generating plants or the reliability of service to customers.

Several system improvement programs were completed during the year, which will further enhance operating performance. For example, modern computer applications in the new System Dispatching Office and in customer accounting offices are making the generation and transmission of power and service to customers more efficient, reducing annual operating costs by more than \$1 million.

And, we are encouraged by progress made in the strengthening of our financial position, including improved cash flow and growing retained earnings, which should translate into an improved outlook for our stockholders' investment.

### Concentrated Efforts

What is being accomplished can be attributed to concentrated efforts in four major areas:

- *Reducing the need for increased rates to the extent possible by controlling costs.* Achievements in this area are illustrated by lower costs for coal, maintenance and plant operations for 1983.
- *Ensuring steady progress in our construction program and seeing to its timely and most economical completion.* Begun in 1980, our \$600 million air quality control program is on schedule for completion in 1984.

While we ourselves are not building a nuclear plant, our partnership in three generating units under construction requires active participation in these projects. Intensive, hands-on project management by

the companies building these units, especially in the area of quality control, has avoided the kinds of regulatory and licensing difficulties that have drawn attention to other utilities in the past year.

All companies participating in these projects share a total commitment to maintaining the highest standards of quality and safety.

The Duquesne Light Company, which already has considerable nuclear plant operating experience, is making steady progress towards completion of the Beaver Valley unit 2 in 1986. Although unit 1 at the Perry Nuclear Plant has been rescheduled for completion in late 1985, The Cleveland Electric Illuminating Company's management of construction at the Plant has consistently earned high marks for quality control in major reviews by the Nuclear Regulatory Commission.

- *Exploring new and different ways for customers to use electricity as a cost-effective alternative to other energy sources.* In 1983, a number of proposals were made to the regulatory commissions for their approval to help customers reduce energy costs, either by shifting the use of electricity to off-peak periods or through incentives to expand operations or increase local employment.
- *Persuading regulators and legislators to deal with long-term problems with long-term solutions, instead of short-term "quick fixes" of questionable benefit.* This attitude is particularly important in the "acid rain" debate, where some are urging that billions of dollars in facilities be added to power plants.

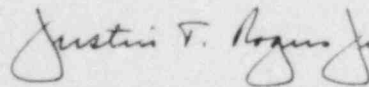
Although there is increasing recognition in Washington that the "acid rain" question must be addressed, there is also growing understanding that further scientific study should precede costly legislation. Absent this, the Company and customers could be faced with enormous new costs and little or no tangible benefit.

### **Our Outlook**

A number of favorable economic conditions should provide the opportunity to further improve financial performance: a modest inflation rate, stable fuel prices, lower borrowing costs and, as the economy gains momentum, an increase in the demand for electricity.

Although past accomplishments and the prospects of a better business climate fuel our optimism for the future, we will never lose sight of the challenges that yet face the electric utility industry. They require that we act in the best interest of customers and stockholders. And we will.

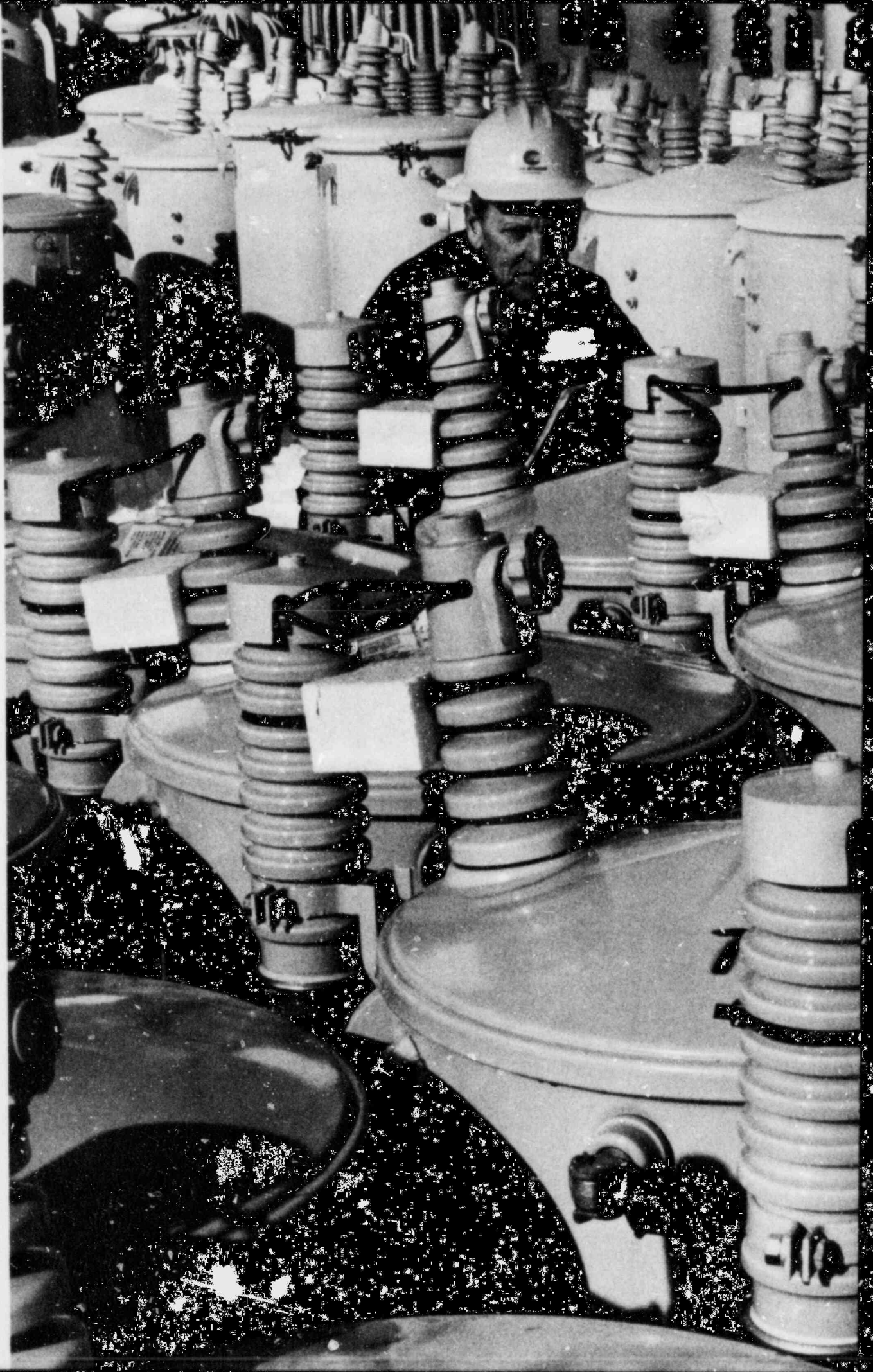
The Ohio Edison System is an organization with well-seasoned management and hardworking employees whose pride and talent have us moving toward a more rewarding future that will benefit us all.



Justin T. Rogers, Jr.  
President

March 1, 1984

Constant monitoring  
of materials has  
reduced inventory  
costs while  
maintaining adequate  
supplies for  
dependable service.





## Year in Review

### Earnings and Revenues Improve in 1983

Earnings on common stock in 1983 increased 25.5 percent from 1982 to \$227.8 million. As a result, earnings per share grew from \$2.13 in 1982 to \$2.22 in 1983, despite an extraordinary gain of 24 cents per share in 1982 and a 17.2 million increase in the average number of shares outstanding. Total revenues increased 6.0 percent over 1982 to \$1.5 billion.

Revenues benefited from the partial effects of new retail rates approved by The Public Utilities Commission of Ohio (PUCO) late in the year, which should add \$94.5 million to annual revenues.

But because the overall cost of providing electricity continued to increase, and rates granted in the past have not kept pace with cost increases, the Companies have requested new retail rates. If granted in full, the new rates would increase annual revenues by \$127 million for Ohio Edison and \$19.9 million for Penn Power.

### Sales and Local Economy Stronger

Total kilowatt-hour sales reflected improvements in the local economy. Sales increased 8.8 percent to industrial customers and 2.0 percent to commercial customers from last year, with automotive and steel industries showing a strong turnaround. However, residential sales remained relatively flat and sales to wholesale municipal customers decreased.

For the past several years, the Companies have been aggressively pursuing sales of bulk power to other utilities. Our success in this highly competitive area continued in 1983 when we negotiated two long-term sales arrangements that should increase revenues by more than \$553 million over the terms of the arrangements. The Companies in May began providing up to 150 megawatts to Potomac Electric Power Company for a minimum term of five years. And in July, the Companies began supplying up



Employees continue to provide customers with electric service that is 99.98 percent reliable.

Research and development facilities, such as those at the Goodyear Technical Center, have become a source of renewed growth in the local economy.

to 200 megawatts for a ten-year period to General Public Utilities Corporation.

Ohio Edison capped off the year by winning two contracts, each to sell 200 megawatts for 12-week periods, for an estimated combined total of \$12 million. Although relatively short-term, these and all sales of bulk power not only boost the Companies' revenues, but make more efficient use of our power plants and help hold down the cost of serving our own customers.

Ohio Edison entered into an agreement with its wholesale municipal customers, pending approval by the Federal Energy Regulatory Commission (FERC), to provide power over a five-year period beginning October 1, 1983. With this settlement, the Company will continue to supply these customers, who had been expected to purchase more electricity from other bulk power suppliers. Upon approval, the agreement would also finalize three rate cases before the FERC.



In addition, estimated sales of 943 million kilowatt-hours annually could result from new or expanding commercial and industrial projects that were in progress throughout the System in 1983.

Near-record peak demand loads were set during the summer months when high temperatures and humidity increased the use of air conditioning. On July 21, the hourly System peak load reached 4,148

megawatt-hours—equalling the second highest peak load in our history.

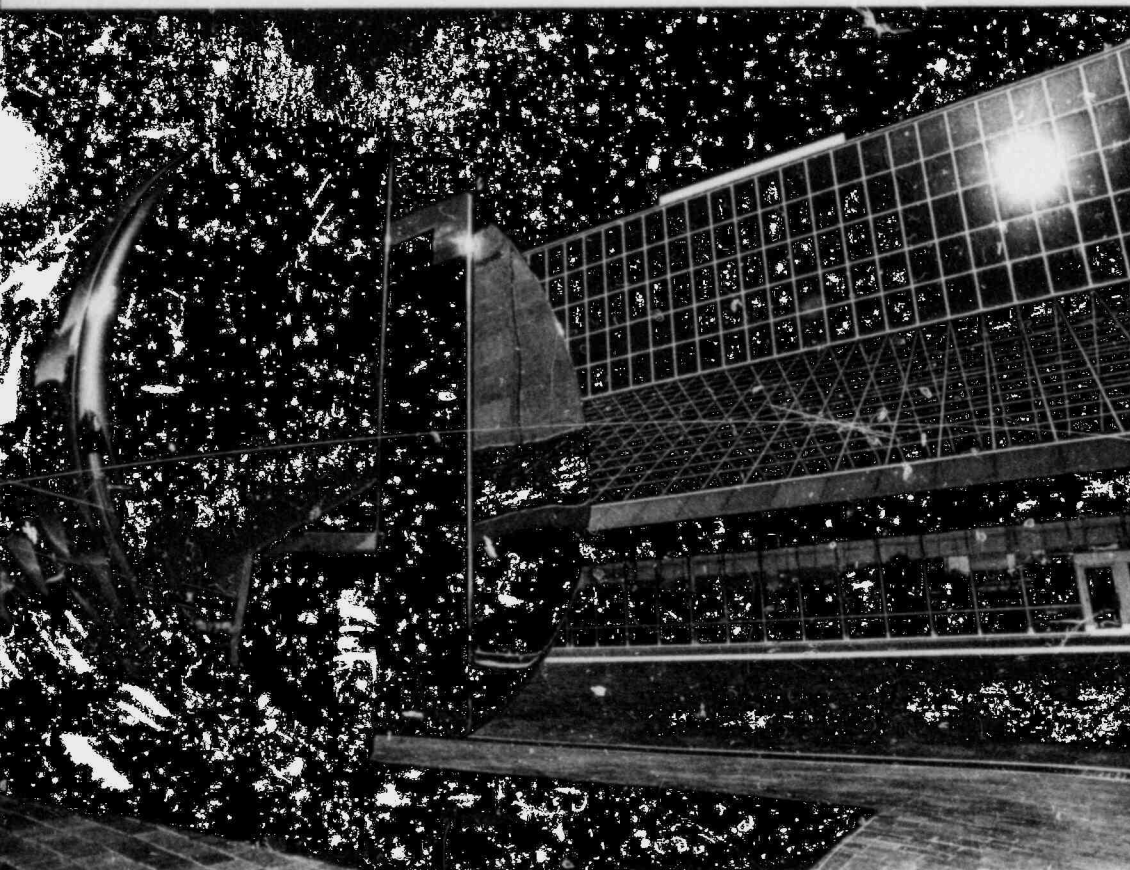
### Marketing Programs Accelerated


The Ohio Edison System serves a region of the country where the economy, and electric sales, have traditionally been dependent on the steel and automotive industries. These industries, of course, will remain important, but future growth in the economy will come more from nontraditional sources, including small manufacturing, research-and-development and service-oriented businesses.

Recognizing the economic pressures on customers and the spirit of cooperation needed to nurture growth, Ohio Edison and Penn Power are seeking regulatory approval of incentives for business expansion through innovative rates. For example, one of our economic development plans proposed to the regulatory commissions would provide special pricing for a five-year period to new or existing industrial customers that build new facilities or expand existing facilities and increase employment.

Other marketing efforts are aimed at helping local companies improve their efficiency and lower their overall energy costs. Through Energy Teamwork Conferences, our employees contacted more than 550 large businesses during the year to develop plans for energy management and operating efficiency. In addition, greater emphasis is being placed on how electricity can economically replace fossil fuels and reduce the customer's total energy use and costs.

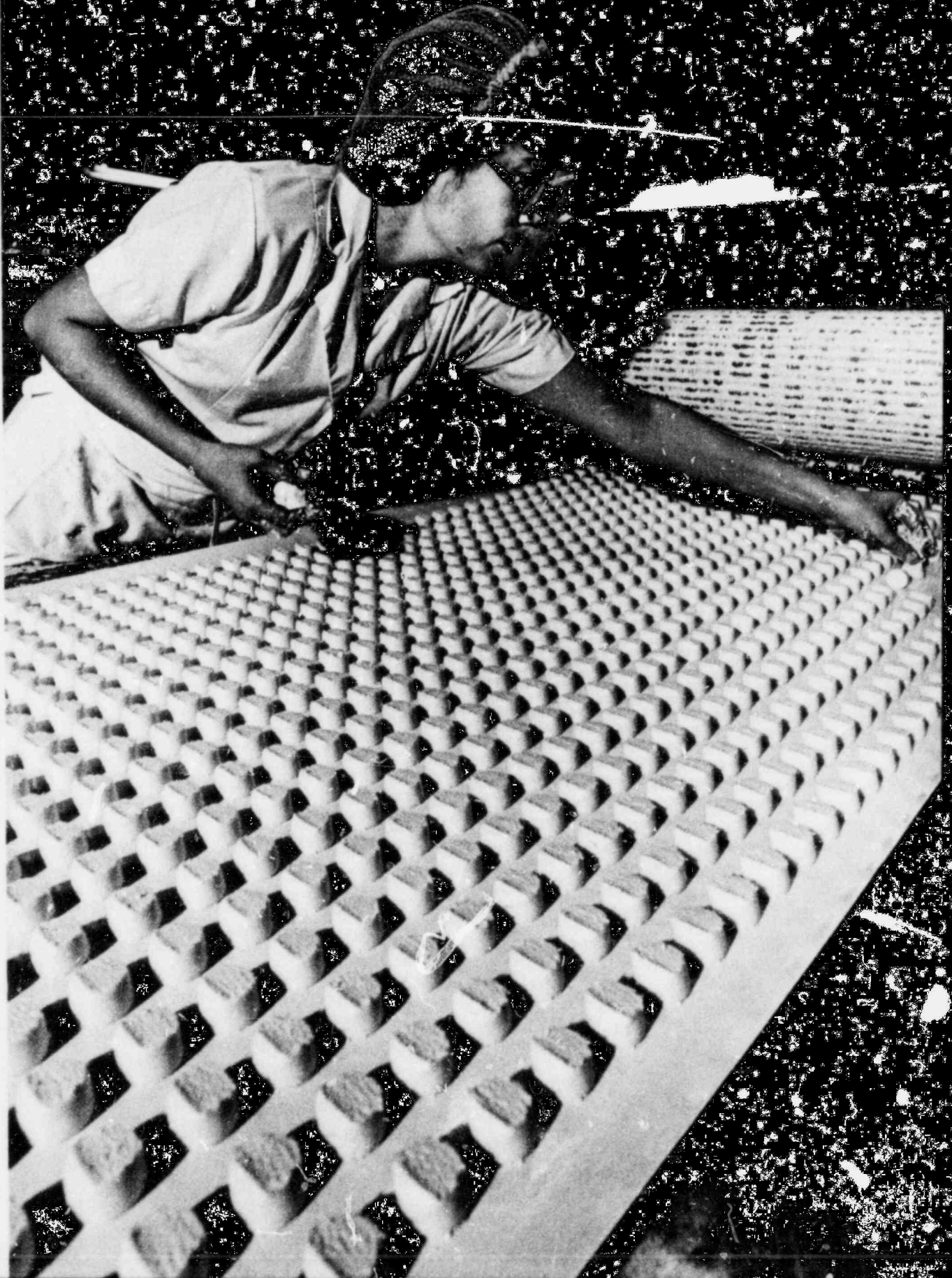
One method of lowering energy costs is through load management. Ohio Edison and Penn Power are finding new ways for customers to shift much of their electric load to economical off-peak hours, which





Electrically powered robots are playing a larger role in revitalizing local industries, as in this large automobile assembly plant which we serve.

Fanny Farmer Candy Shops consolidated all production into our service area because the location is central to major population centers.



also enables us to make better use of our power plants. Since the load management program began in 1977, 213 megawatts have been moved to off-peak hours.

The Companies also help residential customers to better manage their electric use and energy costs. A new plan to encourage more use of electricity, yet lower overall customer costs, was approved by the PUCO in January 1984. It will provide lower rates for qualifying customers with electric water heating or electric add-on home heating systems. In return, their service could be interrupted to stabilize peak loads, but with minimal or no effect on the customer's lifestyle.

**Customers Favorable on Service and Cost**

The Companies continued their long history of providing dependable service, with the average residential customer experiencing an average reliability of 99.98 percent since 1980. In a December random survey of 500 Ohio Edison customers, 96 percent rated their service favorably, and 91 percent rated the cost of their electric service as an average to above average value.

Ongoing surveys are useful in determining and meeting customer needs. For example, a quarterly survey of customers who contacted the Companies for service or information helps pinpoint where and how service can be improved. Some feedback is more direct, as through our nine Consumer Advisory Panels where representatives of consumer groups meet regularly with our employees to discuss topics of interest to both the Companies and customers.

For customers requiring special assistance, especially in times of

medical or financial difficulties, the Companies offer numerous helpful programs, such as budget payments and third-party notification. In addition, customers are informed of governmental or social service agencies that provide financial assistance for home weatherization and for paying winter heating expenses. This information, along with topics on electric use and energy issues, is also available through a wide range of literature, films, group presentations and student education programs.

**Earnings Continue to Benefit from Plant Reliability**

Our ability to increase earnings depends not only on efforts to maintain sales growth, but on the performance of our employees and the most effective utilization of our generating facilities. To sustain the high reliability of these facilities, the Companies have intensive employee training and preventive maintenance programs, which significantly reduce the likelihood of equipment malfunctions and costly generating unit breakdowns.

Availability has been excellent at the Beaver Valley Power Station unit 1, the only operating nuclear plant currently supplying the System. Except during a scheduled shutdown for maintenance, testing and refueling, the 810-megawatt unit achieved a 94.5 percent operating availability for 1983; and it reduced our dependence on more expensive coal-fueled generation by 10.2 percent for the year. The Companies own 52.5 percent of the unit, which is operated by the Duquesne Light Company, the other owner.

Additional work done during the scheduled shutdown will enable the unit to operate for longer periods between refuelings. The modifications, which included use of more highly enriched uranium fuel, were partially completed during the shutdown, and will be completed at the next scheduled refueling in 1984.

**Operations Keep Pace with Computer Technology**

Modernization and the use of high technology plays an ever increasing



A new Customer Information System has improved our ability to quickly respond to customer inquiries with more detailed information.

Contracts secured in 1983 helped reduce average coal costs to the lowest levels in several years.

role in our efforts to improve performance. Our new System Dispatching Office has greatly improved efficiency in economically balancing plant generation to meet customer load, coordinating scheduled outages of generating and transmission facilities and arranging for the interchange of power with other utilities. A sophisticated system of four advanced computers provides improved security, faster response to load changes and greater overall efficiency.

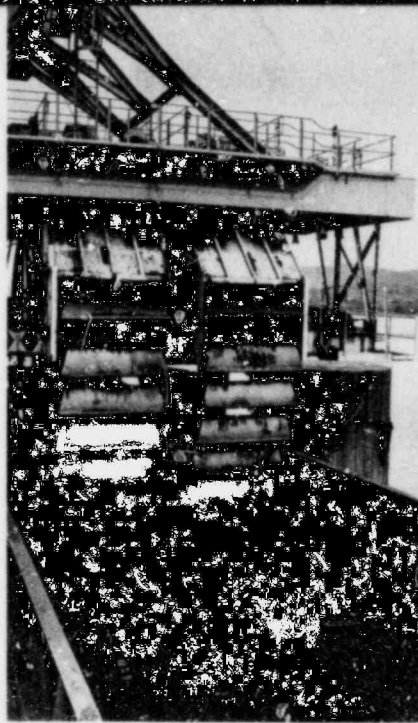
Customer service was improved during the year with completion of a new computerized Customer Information System. It enables employees to respond to inquiries quickly with more complete and accurate information. Customers can request a review of their monthly bill and obtain other helpful information about their service or accounts.

Computer processing is also used in purchasing and receiving coal supplies. New computer systems are monitoring deliveries, inventories, consumption and quality of coal received at our power plants. The information helps us obtain the most economical supplies of coal.

#### **New Projects Build for the Future**

Ohio Edison and Penn Power are in the final stages of a plant construction program initiated in the 1970s. Three generating units, in which we have partial ownership, remain to be completed.

Two of those units are at the 2,410-megawatt Perry Nuclear Plant. The Companies will own 35.24 percent, or 850 megawatts, of total generation from both units being built by The Cleveland Electric Illuminating Company (CEI).

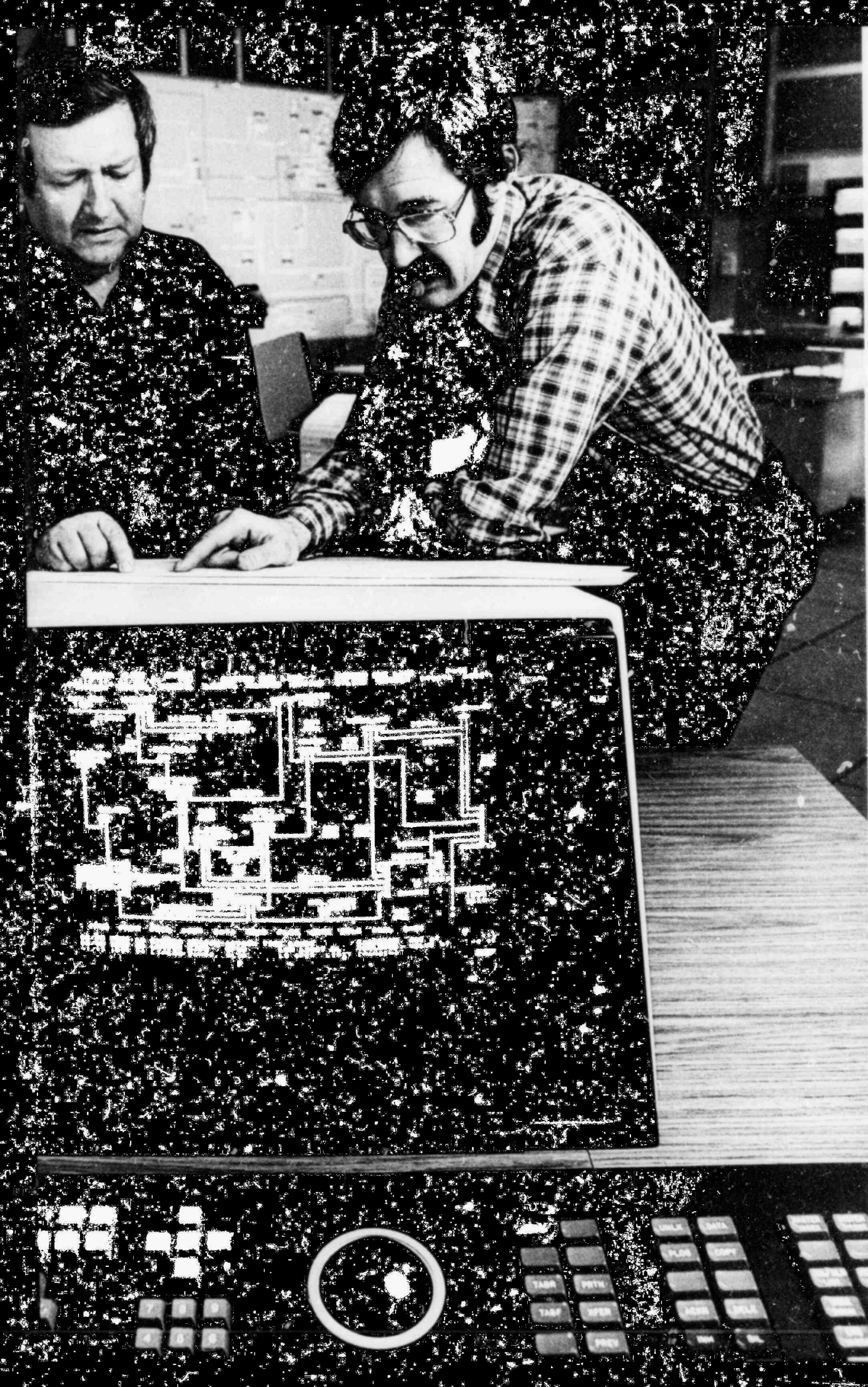


Because of the increased complexity of meeting requirements by the Nuclear Regulatory Commission (NRC) for all nuclear generating plants under construction, CEI announced that unit 1 is now scheduled for completion in late 1985. The completion date for unit 2 will be reviewed at the time unit 1 is completed. With the rescheduling and the additional work, our portion of the Plant's costs rose from \$1.3 billion to \$1.8 billion. All of the companies that share in the ownership of the Plant are committed to making it one of the most efficient and safest in the country.

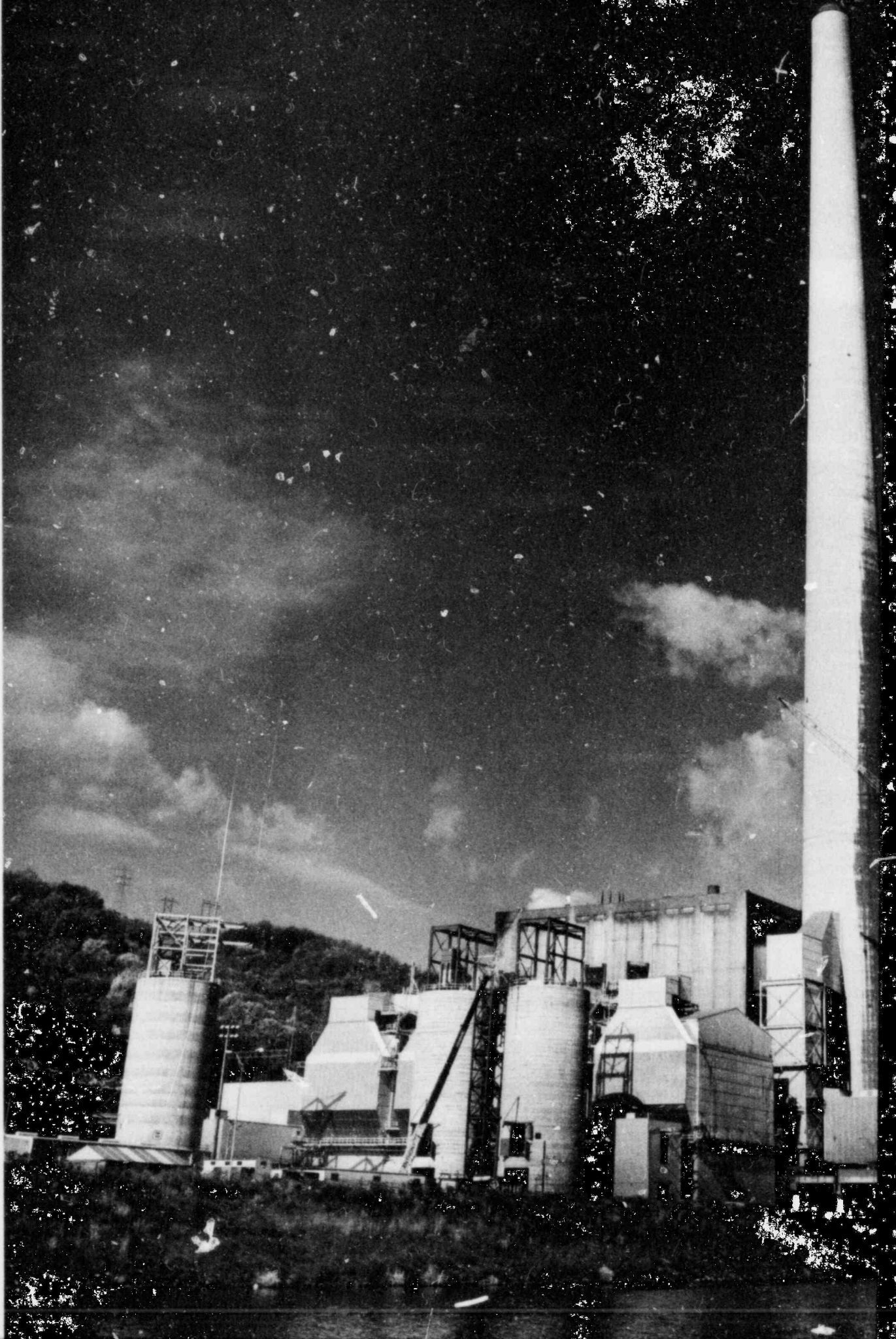
Despite the delay, the quality of construction and quick resolution of problems at the Perry Plant were officially recognized during the year. In November, NRC inspectors found that project management was aggressive in finding and resolving construction problems. Also, during public hearings, the NRC's Atomic Safety and Licensing Board supported the integrity of quality assurance and other construction procedures at the Plant. Unit 1 is 91.3 percent complete, while unit 2 is 43.2 percent complete.



The new System Dispatching Office improves the generation and delivery of electricity and reduces annual operating costs by about \$1 million.



The \$460 million W.H. Sammis Plant air quality control project, to be completed in late 1984, represents one of the largest environmental improvement projects undertaken in the country.



The third unit is under construction by the Duquesne Light Company at the Beaver Valley Power Station.

Unit 2, scheduled for commercial operation in 1986, was 78.1 percent complete on December 31. During the year, major portions of construction were completed, and the Atomic Safety and Licensing Board held public hearings as part of the licensing process. Ohio Edison will own 41.88 percent of the 833-megawatt unit.

With the completion of these projects in the 1980s, the System should not require additional capacity until well into the 1990s. But the growth in load over the next 20 years is estimated to be equivalent to a 1.5 percent annual increase, and the Companies will plan accordingly and continually assess the economical options in both conventional and alternative energy technologies.

In support of one of the emerging technologies, we are participating in a \$155 million cooperative coal-gasification project at Illinois Power's Wood River Station. It is the country's largest operating demonstration facility of its type and will determine if high-sulfur coal, such as that mined in Ohio, can be economically converted to a clean-burning gaseous fuel. Through the end of 1983, the facility has successfully met its test objectives.

Other System construction includes our \$600 million program to meet existing federal requirements for air quality. Through 1983, the Companies have installed facilities to better remove dust from the emissions of ten generating units. As the program successfully approaches its December 1984 completion, the





only remaining construction is at two units of the W. H. Sammis Plant.

For 1983, approximately \$691 million was spent on construction of new plants, environmental facilities and other System improvements. During the year, \$421 million in capital financing was used to fund these System improvements.

#### **Regulatory and Legislative Issues Address Major Concerns**

On January 11, 1983, a new law that took effect in Ohio changed the structure and organization of the PUCO. Among other provisions, it increased the number of commissioners from 3 to 5 and created a 12-member nominating council to select individuals for appointment to the Commission by the state's governor.

One of the most significant rulings by the new Commission concerns our recovery of certain costs of coal delivered to the Bruce Mansfield Plant from the Quarto Mining Company. Prior to August 1982, Ohio Edison was required to defer a portion of its fuel costs related to Quarto coal with no

approved method to recover those costs. Beginning in August 1982, a PUCO-approved recovery method allowed Ohio Edison to begin reducing the deferred costs that had accumulated. In August 1983, however, the new commissioners ordered the Company to cease using that recovery method, which was later approved by the Ohio Supreme Court, while they reexamined it.

To address the concerns of the Commission and to resume recovery of previously deferred costs, the Company reached an agreement with the PUCO staff that recommended to the Commission a similar, but somewhat more restrictive recovery method. Approved by the PUCO in January 1984, the new method provides the Company a reasonable opportunity to again recover past and present costs for coal delivered from the Quarto mines. A similar settlement was proposed to the Pennsylvania Public Utility Commission, and is currently under review by the Commission. An administrative law judge for the Commission recommended that the settlement be approved.

Ohio Edison employees are directly involved in construction progress at the Beaver Valley Power Station unit 2.

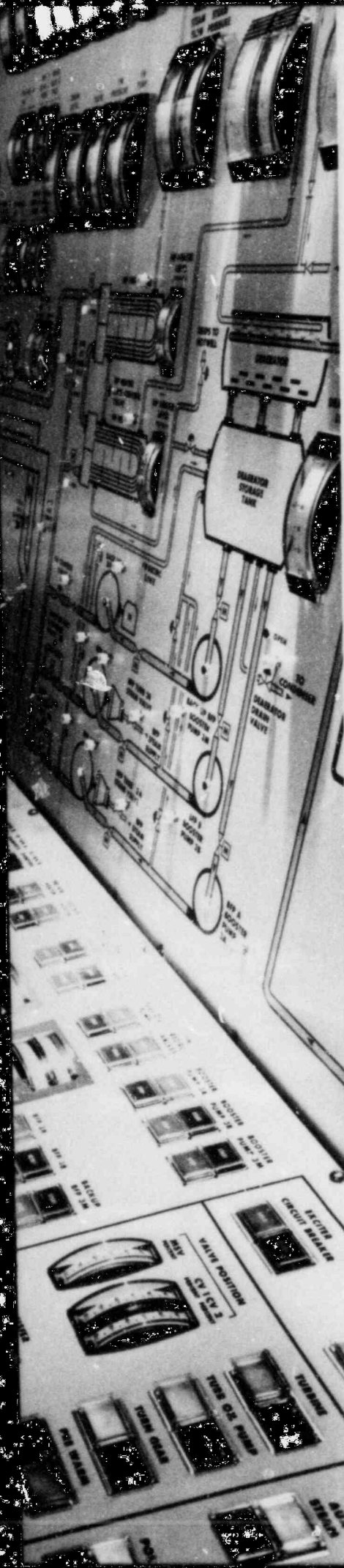


Research facilities at our power plants are being used to find new cost-effective ways of complying with environmental requirements.



Using sophisticated control room simulators, employees fine-tune their operating skills and practice emergency procedures, resulting in greater efficiency at our generating plants.





Another major utility issue is the allowance of CWIP, or construction work in progress, in electric rates. Current Ohio law allows utilities to include a portion of construction costs in the rate base. Although state legislation to severely restrict this allowance has been introduced, none has become law; and the PUCO in September allowed the Company to collect \$24.5 million in financing costs for the Perry Nuclear Plant unit 1. Also, the Federal Energy Regulatory Commission in July ruled that electric utilities could include an allowance to cover some financing costs in rate cases involving wholesale customers, but federal legislative proposals call for a return to more restrictive measures. The Companies have opposed such efforts to eliminate or restrict allowances for CWIP because the result would be higher overall construction costs to the Companies and their customers.

"Acid rain" is a national issue with great potential impact on the Companies and the area economy. Currently, some legislative proposals before Congress could force us to spend more than \$1 billion over the next several years to reduce sulfur dioxide emissions by installing scrubbers, even though there are no assurances of substantial environmental improvement. Instead, the Companies urge that the scientific community be given the necessary time to better identify and understand the problem, and then determine the most effective and economically sensible solutions.

The Companies have already made substantial contributions to the reduction and understanding of sulfur dioxide emissions, which are thought by some to be a major cause of acid deposition. By installing expensive air cleaning facilities, buying more costly low-sulfur coal and other measures, we have reduced sulfur dioxide emissions by 30 percent since 1975. We have also spent about \$1 million

in supporting or conducting both local and regional studies and are carrying on research with experimental equipment to find ways of reducing the cost of sulfur dioxide control.

#### **Employee Programs Emphasize Productivity and Involvement**

To the benefit of customers and investors, the improved operating results, including cost reductions and higher productivity, resulted from the efforts of 7,702 employees in the Ohio Edison System.

A wide range of skills and management training programs have been a strong foundation for the System's improved productivity. The Companies continue to expand this classroom and "hands-on" training. In 1983, we took major steps to study and improve the effectiveness of training, and to help employees to better apply these tools to everyday situations.

Individual efforts are recognized by rewarding employees who suggest specific ways of improving productivity, either through efficiency or safety. With cash incentives, the Employee Suggestion System has saved the Companies more than \$106,000 since the program began in 1981.

The Companies and individual employees also make responsible contributions to the community. For example, Company and employee contributions to United Way in 1983 totaled more than \$375,000. And employees spend countless hours in a broad range of community services, which include providing food or other goods to the poor and handicapped, teaching life-saving techniques and volunteering in local fire departments.

## Management's Discussion and Analysis of Results of Operations and Financial Condition

### Results of Operations

Results of operations for 1983 reflect improving economic conditions taking place in the Companies' service area. Increased kilowatt-hour sales to the Companies' commercial and industrial customers of 2.0% and 8.8%, respectively, were significant to the Company achieving increases of 39.3%, 26.3% and 25.5% in income before extraordinary items, net income and earnings on common stock, respectively. This strong performance increased 1983 earnings per share of common stock by 4.2%, despite a significant increase in the number of shares of common stock outstanding in 1983 and the inclusion in 1982 earnings of an extraordinary non-cash gain. The rate of return on average common equity was 14.2% in 1983 compared to 13.5% in 1982 and 14.6% in 1981. Excluding the effect of extraordinary income in 1982 and 1981, and the settlement of a claimed Pennsylvania tax liability in 1981, the rate of return on average common equity was 12.3% in 1982 and 12.9% in 1981.

Increased operating revenues, which served as the basis for the 1983 earnings improvement, resulted from the effect of base rate increases and increased kilowatt-hour sales to customers, partially offset by reduced sales to other utilities and reduced fuel component rates in 1983 compared to 1982. The reduced fuel rates charged to customers were made possible primarily due to lower prices paid for coal in 1983, evidenced by the reported decrease in fuel expense. Operating revenues in 1982 increased from 1981 due to increased base rates, and increased fuel component rates. There is a direct correlation between the fuel rates charged to the Companies' customers and the increase in fuel expense reported in 1982.

Results of operations were further improved in 1983 by operating efficiencies achieved and substantially reduced maintenance costs. The Companies' generating units were available for operation a greater percentage of the time in 1983 compared to 1982. This increased availability results in less unscheduled maintenance and naturally leads to reduced maintenance expense. This was most noteworthy at Mansfield Unit No. 1 and several units at the Sammis

Plant in 1983 compared to 1982. Maintenance on those units in 1982, plus maintenance performed during a refueling outage of Beaver Valley Unit No. 1 during that year, were primarily responsible for the increase in 1982 maintenance costs compared to 1981.

In addition to reduced maintenance costs in 1983, the improved generating unit availability allowed the Companies to reduce their requirements for power purchased and interchanged with other utilities by 10.6% from 1982, despite an overall increase in kilowatt-hour sales from the Companies' system. The significant increase in purchased and interchanged power during 1982 compared to 1981 resulted primarily from power purchases which were made in 1982 in order to sell short-term power to other utilities.

Additional financing associated with the Companies' continuing construction programs in 1983 and 1982 necessarily resulted in higher interest costs and preferred and preference stock dividends. However, it is important to note that the Companies' external financing requirements in 1983 were below 1982's level and the costs of financing were also at a lower level. As the Companies' construction projects proceed and until the projects are placed in service and included in rate base, the total allowance for funds used during construction (AFUDC) will continue to increase in order to capitalize the appropriate financing costs which are not currently recovered through rates. A significant factor, however, is that AFUDC represented 89.4% of 1983 earnings on common stock, a decline from 99.4% in 1982 before giving effect to the extraordinary income recorded in that year.

Information with respect to the estimated effects of inflation upon the Companies is given in Note 10.

### Capital Resources and Liquidity

The Companies' 1983 construction program (excluding nuclear fuel) required approximately \$691,000,000 which, in addition to approximately \$204,000,000 of funds generated internally, was funded through external financings. Over the last five years, the cost of the Companies' construction program was approximately \$2,900,000,000, of which approximately \$570,000,000 was available from internally generated funds; approximately \$2,700,000,000 is currently forecast to be spent from 1984 through 1988. The issuance of additional common stock and other securities will be necessary to fund a significant portion of this new construction. Also during this five-year period, the Companies

will have additional cash requirements of approximately \$638,000,000 to meet debt maturities and sinking fund requirements for debt and preferred and preference stock.

At December 31, 1983, the Companies had available approximately \$113,000,000 of temporary cash investments and approximately \$98,500,000 of funds held in escrow from previous pollution control financings. The Companies also have \$235,000,000 of short-term bank lines of credit available to them for interim financing purposes, none of which had been drawn down at December 31, 1983. The Companies' current financing plans for 1984 include an estimated 8,000,000 shares of common stock to be issued through the Dividend Reinvestment and Stock Purchase Plan, and issuances of up to: 10,000,000 additional shares of common stock through public offerings; \$85,000,000 of preferred and preference stock; \$65,000,000 of pollution control notes; and \$170,000,000 of other long-term debt. The Companies also expect to invest approximately \$88,000,000 for additional nuclear fuel in 1984 through the incurrence of additional long-term obligations.

Based upon earnings as of December 31, 1983, the Company would be permitted, under its First Mortgage Indenture, to issue on the basis of property additions, at least \$545,000,000 principal amount of first mortgage bonds assuming an interest rate of 13%; or, under its Articles of Incorporation, to issue approximately \$339,000,000 of preferred stock at an assumed dividend rate of 13%; or to issue some lesser combination of both. The Company is able to issue \$335,000,000 principal amount of first mortgage bonds against previously retired bonds without the need to meet earnings coverage requirements.

In September 1983, the Company was granted a base rate increase by the PUCO which recognized in rate base approximately \$126,000,000 of the Company's investment in Perry Unit No. 1, a nuclear unit currently under construction. A January 1984 PUCO order concerning the Company's electric fuel component rate will allow the opportunity for recovery of current and deferred Quarto coal costs, as discussed in Note 7. These are favorable developments which should have a positive effect upon the Company's ability to generate cash internally.

The Companies currently have rate cases pending before the PUCO and the PPUC which, if granted in full, are designed to increase annual revenues by approximately \$127,200,000 and \$19,900,000, respectively. Orders are anticipated from the PPUC by the second quarter of 1984 and by the third quarter of 1984 from the PUCO.

The consolidated financial statements were prepared by the management of Ohio Edison Company, who takes responsibility for their integrity and objectivity. The statements were prepared in conformity with generally accepted accounting principles and are consistent with other financial information appearing elsewhere in this report. Arthur Andersen & Co., independent public accountants, have expressed an opinion on the Company's financial statements, as shown on page 37.

The Company's internal auditors, who are responsible to the Audit Committee of the Board of Directors, review the results and performance of operating units within the Company for adequacy, effectiveness and reliability of accounting and reporting systems, as well as managerial and operating controls.

The Audit Committee consists of four non-employee directors whose duties include: consideration of the adequacy of the internal controls of the Company and the objectivity of financial reporting; inquiry into the number, extent, adequacy and validity of regular and special audits conducted by independent public accountants and the internal auditors; the recommendation of independent accountants to conduct the normal annual audit and special purpose audits as may be required; and reporting to the Board of Directors the Committee's findings and any recommendation for changes in scope, methods, or procedures of the auditing functions. The Audit Committee held three meetings during 1983.

V. A. Owoc  
Executive Vice President  
Chief Financial Officer

W. A. Daniels  
Comptroller

## Selected Financial Data

	1983	1982	1981	1980	1979
	(In thousands, except per share amounts)				
Operating Revenues	\$1,515,852	\$1,429,626	\$1,279,649	\$1,080,869	\$ 994,585
Operating Income	302,751	269,640	252,381	169,383	163,744
Income Before Extraordinary Items	272,400	195,571	183,020	135,150	134,807
Net Income	272,400	215,729	197,062	135,150	134,807
Earnings on Common Stock	227,843	181,496	163,892	101,403	105,120
Earnings per Share of Common Stock (based on weighted average number of shares outstanding during the year)					
Before Extraordinary Items	2.22	1.89	2.10	1.52	1.80
Earnings on Common Stock	2.22	2.13	2.30	1.52	1.80
Dividends Declared per Share of Common Stock	1.80	1.76	1.76	1.76	1.76
Total Assets at December 31	5,905,142	5,247,138	4,460,274	3,979,965	3,446,454
Preferred and Preference Stock Subject to Mandatory Redemption	158,112	152,560	151,141	156,450	150,850
Long-Term Debt	2,131,404	2,005,436	1,759,771	1,594,384	1,410,782
Construction Energy Trust and Nuclear Fuel Obligations	719,364	656,655	447,484	265,000	—

## Common Stock Data

The Company's Common Stock is listed on the New York and Midwest Stock Exchanges and is traded on other registered exchanges.

Price Range of Common Stock	1983		1982	
	High	Low	High	Low
First Quarter High-Low	15-7/8	13-7/8	13-1/8	11-3/8
Second Quarter High-Low	16-1/8	14-3/8	14-1/8	12-3/8
Third Quarter High-Low	15-1/4	14	14-3/8	12-1/4
Fourth Quarter High-Low	16	11-7/8	15-1/8	13-1/4
Yearly High-Low	16-1/8	11-7/8	15-1/8	11-3/8

Prices are as quoted on the New York Stock Exchange Composite Transactions.

## Classification of Holders of Common Stock as of December 31, 1983

	Holders of Record		Shares Held	
	Number	%	Number	%
Individuals	181,290	88.8	53,987,585	49.8
Fiduciaries	19,012	9.3	4,462,051	4.1
Brokers	61	—	1,032,383	1.0
Nominees	556	0.3	46,397,417	42.8
Banks and Financial Institutions	31	—	53,345	—
Insurance Companies & Other Corporations	1,562	0.8	1,556,028	1.4
Charitable, Religious & Educational Institutions	495	0.3	349,174	0.3
Pensions, Profit Sharing & Other Investment Trusts	1,094	0.5	622,071	0.6
Total	204,101	100.0	108,460,054	100.0

As of January 31, 1984, there were 203,789 holders of 108,758,161 shares of the Company's Common Stock.

Quarterly dividends of 45¢ and 44¢ per share were paid on the Company's Common Stock during 1983 and 1982, respectively. Information regarding retained earnings available for payment of cash dividends is given in Note 4b.

## Consolidated Statements of Income

For the Years Ended December 31

1983

1982

1981

(In thousands, except per share amounts)

	1983	1982	1981
<b>Operating Revenues</b>	<b>\$1,515,852</b>	<b>\$1,429,626</b>	<b>\$1,279,649</b>
<b>Operating Expenses and Taxes:</b>			
Operation—			
Fuel	420,336	432,749	413,698
Purchased and interchanged power, net	50,026	52,607	29,001
Other operation expenses	234,526	221,129	195,075
Total operation	704,888	706,485	638,094
Maintenance	121,544	139,615	124,213
Provision for depreciation	115,514	103,206	95,830
Amortization of terminated construction project costs (Note 2)	9,058	1,866	3,995
General taxes	126,818	114,569	84,316
Income taxes	135,279	94,245	80,820
Total operating expenses and taxes	1,213,101	1,159,986	1,027,268
<b>Operating Income</b>	<b>302,751</b>	<b>269,640</b>	<b>252,381</b>
<b>Other Income and Deductions:</b>			
Allowance for equity funds used during construction	121,814	84,210	60,421
Miscellaneous, net	20,812	16,871	17,021
Income taxes—credit	64,923	50,166	53,360
Total other income and deductions	207,549	160,247	130,802
<b>Total Income</b>	<b>510,300</b>	<b>429,887</b>	<b>383,183</b>
<b>Net Interest and Other Charges:</b>			
Interest on long-term debt	233,626	211,765	166,378
Interest on long-term obligations	73,177	80,092	69,183
Allowance for borrowed funds used during construction, net of deferred income taxes	(81,901)	(76,088)	(67,381)
Other interest expense	5,702	12,449	26,378
Subsidiary's preferred stock dividend requirements	7,296	6,098	5,605
Net interest and other charges	237,900	234,316	200,163
<b>Income Before Extraordinary Items</b>	<b>272,400</b>	<b>195,571</b>	<b>183,020</b>
<b>Extraordinary Items (Note 8):</b>			
Gain on reacquisition of first mortgage bonds, net of related income taxes	—	—	14,042
Gain on exchange of common stock for first mortgage bonds	—	20,158	—
<b>Net Income</b>	<b>272,400</b>	<b>215,729</b>	<b>197,062</b>
<b>Preferred and Preference Stock Dividend Requirements</b>	<b>44,557</b>	<b>34,233</b>	<b>33,170</b>
<b>Earnings on Common Stock</b>	<b>\$ 227,843</b>	<b>\$ 181,496</b>	<b>\$ 163,892</b>
<b>Weighted Average Number of Shares of Common Stock Outstanding</b>	<b>102,414</b>	<b>85,241</b>	<b>71,180</b>
<b>Earnings Per Share of Common Stock</b> (based on weighted average number of shares outstanding during the year):			
Before extraordinary items (after preferred and preference stock dividend requirements)	\$2.22	\$1.89	\$2.10
Extraordinary items	—	.24	.20
Earnings on common stock	\$2.22	\$2.13	\$2.30
<b>Dividends Declared Per Share of Common Stock</b>	<b>\$1.80</b>	<b>\$1.76</b>	<b>\$1.76</b>

The accompanying Notes to Consolidated Financial Statements are an integral part of these statements.



## Consolidated Balance Sheets

At December 31	1983	1982
<b>Assets</b>		
(In thousands)		
<b>Utility Plant:</b>		
In service, at original cost	\$3,632,165	\$3,417,669
Less—Accumulated provision for depreciation	1,043,679	953,541
	2,588,486	2,464,128
Construction work in progress	2,351,089	1,902,310
Nuclear fuel in process	211,327	156,295
	5,150,902	4,522,733
<b>Other Property and Investments</b>	63,614	69,626
<b>Current Assets:</b>		
Cash	2,781	2,812
Temporary cash investments, at cost, which approximates market value	112,993	61,500
Receivables—		
Customers (less accumulated provisions of \$1,541,000 and \$1,844,000, respectively, for uncollectible accounts)	132,968	116,054
Other	19,416	24,855
Materials and supplies, at average cost—		
Fuel	69,047	92,684
Other	45,657	44,466
Prepayments and other	41,184	35,966
	424,046	378,337
<b>Deferred Charges:</b>		
Deferred Quarto coal costs (Note 7)	67,254	71,346
Property taxes	52,575	50,527
Unamortized costs of terminated construction projects (Note 2)	94,747	103,835
Other	52,004	50,734
	266,580	276,442
	\$5,905,142	\$5,247,138
<b>Capitalization and Liabilities</b>		
<b>Capitalization</b> (See Consolidated Statements of Capitalization):		
Common stockholders' equity	\$1,711,974	\$1,488,371
Preferred stock—		
Not subject to mandatory redemption	312,335	262,335
Subject to mandatory redemption	60,000	64,000
Preference stock—		
Not subject to mandatory redemption	50,000	50,000
Subject to mandatory redemption	50,641	55,165
Preferred stock of consolidated subsidiary—		
Not subject to mandatory redemption	41,905	41,905
Subject to mandatory redemption	47,471	33,395
Long-term debt	2,131,404	2,005,436
	4,405,730	4,000,607
<b>Long-Term Obligations (Note 5):</b>		
Construction energy trust	500,000	500,000
Nuclear fuel	219,364	156,655
	719,364	656,655
<b>Current Liabilities:</b>		
Current maturities of long-term debt, preferred and preference stock	79,594	22,383
Notes payable to banks (Note 6)	—	—
Accounts payable	154,727	133,776
Accrued taxes	52,564	51,115
Accrued interest	67,891	57,736
Other	44,102	26,390
	398,878	291,400
<b>Deferred Credits:</b>		
Accumulated deferred income taxes	158,437	152,890
Accumulated deferred investment tax credits	107,390	53,727
Property taxes	52,575	50,527
Energy costs recovered in advance	33,335	14,418
Other	29,433	26,914
	381,170	298,476
<b>Commitments, Guarantees and Contingencies (Notes 2, 3 and 7)</b>		
	\$5,905,142	\$5,247,138

The accompanying Notes to Consolidated Financial Statements are an integral part of these balance sheets.

## Consolidated Statements of Capitalization

At December 31		1983	1982
<b>Common Stockholders' Equity:</b>		(In thousands)	
Common stock, \$9 par value, authorized 125,000,000 shares— 108,460,054 and 96,081,844 shares outstanding, respectively (Note 4a)		\$ 976,140	\$ 864,737
Other paid-in capital		494,520	423,195
Retained earnings (Note 4b)		241,314	200,439
Total common stockholders' equity		1,711,974	1,488,371
		Optional Redemption Price	
		Per Share	Aggregate (In Thousands)
		Number of Shares Outstanding	
		1983	1982
<b>Preferred Stock (Note 4c):</b>			
Cumulative, \$100 par value—Authorized 6,000,000 shares			
Not Subject to Mandatory Redemption:			
3.90%—7.24%		973,350	973,350
7.36%—8.20%		800,000	800,000
8.64%—9.12%		850,000	850,000
Total not subject to mandatory redemption		2,623,350	2,623,350
Subject to Mandatory Redemption (Note 4d):			
10.48%—10.76%		615,000	659,630
Redemption within one year			(1,500)
Total subject to mandatory redemption			60,000
Cumulative, \$25 par value—Authorized 4,000,000 shares			
Not Subject to Mandatory Redemption:			
\$3.50 Series		2,000,000	—
		\$28.75	\$ 57,500
			50,000
			—
<b>Preference Stock (Note 4c):</b>			
Cumulative, no par value—Authorized 8,000,000 shares			
Not Subject to Mandatory Redemption:			
\$3.92 Series		2,000,000	2,000,000
		\$31.42	\$ 62,840
			50,000
			50,000
Subject to Mandatory Redemption (Note 4e):			
\$95.00—\$102.50 Series		27,000	27,000
\$1.80 Series		1,622,546	1,862,181
Redemption within one year			(900)
Total subject to mandatory redemption		1,649,546	1,889,181
			\$ 55,701
			50,641
			55,165
<b>Preferred Stock of Consolidated Subsidiary (Note 4c):</b>			
Cumulative, \$100 par value—Authorized 950,000 shares			
Not Subject to Mandatory Redemption:			
4.2%—9.16%		419,049	419,049
		\$102.98-107.32	\$ 44,123
			41,905
			41,905
Subject to Mandatory Redemption (Note 4d):			
8.24%—15.00%		479,708	338,951
Redemption within one year			(500)
Total subject to mandatory redemption			47,471
			33,395
<b>Long-Term Debt (Note 4f):</b>			
First mortgage bonds:			
Ohio Edison Company—			
8.60% weighted average interest rate, due 1984—1988			153,693
14.59% weighted average interest rate, due 1989—1993			240,864
10.88% weighted average interest rate, due 1994—1998			95,215
8.57% weighted average interest rate, due 1999—2003			242,156
10.50% weighted average interest rate, due 2004—2010			424,310
			1,156,238
Pennsylvania Power Company—10.27% weighted average interest rate, due 1984—2008			259,000
Total first mortgage bonds			1,415,238
			1,360,238
Secured notes and obligations:			
Ohio Edison Company—8.29% weighted average interest rate, due 1984—2014			281,439
Amount held by Trustee			(985)
			280,454
			230,914
Ohio Edison Finance N.V.—17.38% weighted average interest rate, due 1987—1988			150,000
			150,000
Pennsylvania Power Company—9.00% weighted average interest rate, due 1984—2007			67,661
Amount held by Trustee			(2,572)
			65,089
			62,779
Total secured notes and obligations			495,543
			443,693
Unsecured notes of Ohio Edison Company, 11.06% weighted average interest rate, due 1984—2014			402,000
Amount held by Trustee			(93,555)
			308,445
			232,974
Net unamortized discount on debt			(11,128)
			(11,549)
Long-term debt due within one year			(76,694)
			(19,920)
Total long-term debt			2,131,404
			2,005,436
<b>Total Capitalization</b>			<b>\$4,405,730</b>
			<b>\$4,000,607</b>

The accompanying Notes to Consolidated Financial Statements are an integral part of these statements.

## Consolidated Statements of Retained Earnings

For the Years Ended December 31	1983	1982	1981
		(In thousands)	
Balance at beginning of period	\$200,439	\$171,191	\$133,592
Net income	272,400	215,729	197,062
	472,839	386,920	330,654
Deduct:			
Preferred and preference stock dividends	45,468	34,488	33,160
Common stock dividends	185,309	151,289	126,030
Capital stock issuance expense	748	704	273
	231,525	186,481	159,463
Balance at end of period (Note 4b)	\$241,314	\$200,439	\$171,191

## Consolidated Statements of Capital Stock and Other Paid-In Capital

	Common Stock			Preferred and Preference Stock			
	Number of Shares	Par Value	Other Paid-In Capital	Not Subject to Mandatory Redemption		Subject to Mandatory Redemption	
				Number of Shares	Par or Stated Value	Number of Shares	Par or Stated Value
	(Dollars in thousands)						
Balance, January 1, 1981	68,526,172	\$616,736	\$317,196	3,069,049	\$306,905	3,039,000	\$158,450
Sale of Common Stock	7,000,000	63,000	21,875	—	—	—	—
Dividend Reinvestment Plan	3,122,631	28,103	7,751	—	—	—	—
Conversion of \$1.80 Preference Stock	26,900	242	147	—	—	(26,900)	(407)
Preferred Stock Sinking Fund Redemptions—							
10.48% Series	—	—	585	—	—	(27,240)	(2,724)
10.76% Series	—	—	361	—	—	(20,000)	(2,000)
11.00% Series	—	—	53	—	—	(4,016)	(402)
Other Preferred Stock Redemptions—							
3.90% Series	—	—	271	(3,790)	(379)	—	—
4.40% Series	—	—	251	(3,720)	(372)	—	—
4.44% Series	—	—	896	(13,440)	(1,344)	—	—
4.56% Series	—	—	386	(5,700)	(570)	—	—
Balance, December 31, 1981	78,675,703	708,081	349,772	3,042,399	304,240	2,960,844	152,917
Sale of Common Stock	10,000,000	90,000	42,000	—	—	—	—
Dividend Reinvestment Plan	4,644,622	41,802	17,647	—	—	—	—
Exchange of Common Stock for First Mortgage Bonds	2,650,600	23,855	9,463	—	—	—	—
Conversion of \$1.80 Preference Stock	110,919	999	610	—	—	(110,919)	(1,678)
Sale of \$3.92 Series of Preference Stock	—	—	2,940	2,000,000	50,000	—	—
Sale of 15% Series of Preferred Stock	—	—	—	—	—	80,000	8,000
Preferred Stock Sinking Fund Redemptions—							
8.24% Series	—	—	—	—	—	(5,000)	(500)
10.48% Series	—	—	284	—	—	(13,130)	(1,313)
10.76% Series	—	—	435	—	—	(20,000)	(2,000)
11.00% Series	—	—	44	—	—	(4,033)	(403)
Balance, December 31, 1982	96,081,844	864,737	423,195	5,042,399	354,240	2,887,762	155,023
Sale of Common Stock	5,000,000	45,000	33,350	—	—	—	—
Dividend Reinvestment Plan	7,138,575	64,247	33,056	—	—	—	—
Conversion of \$1.80 Preference Stock	239,635	2,156	1,332	—	—	(239,635)	(3,624)
Sale of \$3.50 Series of Class A Preferred Stock	—	—	3,140	2,000,000	50,000	—	—
Sale of 11.5% Preferred Stock	—	—	—	—	—	150,000	15,000
Preferred Stock Sinking Fund Redemptions—							
8.24% Series	—	—	—	—	—	(5,000)	(500)
10.48% Series	—	—	270	—	—	(24,630)	(2,463)
10.76% Series	—	—	160	—	—	(20,000)	(2,000)
11.00% Series	—	—	17	—	—	(4,243)	(424)
Balance, December 31, 1983	108,460,054	\$976,140	\$494,520	7,042,399	\$404,240	2,744,254	\$161,012

The accompanying Notes to Consolidated Financial Statements are an integral part of these statements.

## Consolidated Statements of Sources of Funds for Property Additions

For the Years Ended December 31	1983	1982	1981
Internally generated funds—		(In thousands)	
Income before extraordinary items	\$272,400	\$195,571	\$183,020
Principal non-cash items—			
Depreciation and amortization—			
Charged to provision for depreciation	115,514	103,206	95,830
Charged to other accounts	2,564	1,953	1,318
Amortization of terminated construction project costs	9,058	1,866	3,995
Deferred income taxes, net	80,814	91,832	99,179
Investment tax credits, net	53,670	7,312	(772)
Allowance for equity funds used during construction	(121,814)	(84,210)	(60,421)
Deferred fuel and energy costs, net	23,009	4,609	(49,393)
	435,215	322,139	272,756
Less—Dividends on common stock	185,309	151,289	126,030
Dividends on preferred and preference stock	45,468	34,488	33,160
Net funds from operations	204,438	136,362	113,566
Income from extraordinary items	—	20,158	14,042
Non-cash items—			
Gain on reacquisition of first mortgage bonds	—	—	(26,276)
Gain on exchange of common stock for first mortgage bonds	—	(20,158)	—
	204,438	136,362	101,332
Financing activities—			
Common stock	175,653	224,767	120,729
Preferred stock	68,140	8,000	—
Preference stock	—	52,940	—
First mortgage bonds	55,000	105,000	95,000
Secured notes, net	71,770	84,173	94,920
Unsecured long-term notes, net	125,471	106,660	24,314
Construction energy trust and nuclear fuel obligations	62,709	209,171	182,484
Redemption of long-term debt and preferred stock	(75,307)	(43,295)	(202,336)
Notes payable to banks	—	(74,400)	32,918
Sale of tax benefits	—	10,480	37,531
	483,436	683,496	385,560
Net change in current assets and current liabilities excluding notes payable to banks and current maturities of long-term debt, preferred and preference stock—			
Temporary cash investments	(51,493)	(57,200)	(4,300)
Receivables	(11,475)	(9,063)	2,715
Materials and supplies	22,446	(12,045)	3,149
Accounts payable	20,951	(8,942)	39,193
Accrued taxes	1,449	4,041	(12,085)
Accrued interest	10,155	17,754	285
Miscellaneous, net	12,525	(7,148)	112
	4,558	(72,603)	29,069
Other, net—			
Construction funds held in escrow, including accrued interest	6,454	711	39,847
Allowance for equity funds used during construction	121,814	84,210	60,421
Sale of utility property	—	13,568	—
Deferred income taxes on allowance for borrowed funds used during construction	(76,982)	(67,127)	(59,530)
Miscellaneous, net	2,080	(4,384)	11,345
	53,366	26,978	52,083
<b>Total Sources of Funds for Property Additions</b>	<b>\$745,798</b>	<b>\$774,233</b>	<b>\$568,044</b>
Property Additions—			
Electric plant	\$689,646	\$648,633	\$546,996
Nuclear fuel	55,032	124,292	18,945
Nonutility property	1,120	1,308	2,103
	\$745,798	\$774,233	\$568,044

The accompanying Notes to Consolidated Financial Statements are an integral part of these statements.

## Consolidated Statements of Taxes

For the Years Ended December 31	1983	1982	1981
<b>General Taxes:</b>		(In thousands)	
State gross receipts (i)	\$ 65,495	\$ 56,808	\$ 34,144
Real and personal property	47,099	45,028	39,193
Social security and unemployment	10,097	8,990	8,010
Miscellaneous	4,127	3,743	2,969
Total general taxes	\$126,818	\$114,569	\$ 84,316
<b>Provision for Income Taxes:</b>			
Currently payable—			
Federal	\$ 10,119	\$ 324	\$ 80
State	2,507	2,532	678
Foreign	228	206	59
	12,854	3,062	817
Deferred, net (see below)—			
Federal	75,947	88,666	96,218
State	4,867	3,166	2,961
	80,814	91,832	99,179
Investment tax credits, net of amortization	53,670	7,312	(772)
Total provision for income taxes	\$147,338	\$102,206	\$ 99,224
<b>Income Statement Classification of Provision for Income Taxes:</b>			
Operating expenses	\$135,279	\$ 94,245	\$ 80,820
Other income	(64,923)	(59,166)	(53,360)
Allowance for borrowed funds used during construction	76,982	67,127	59,530
Extraordinary items	—	—	12,234
Total provision for income taxes	\$147,338	\$102,206	\$ 99,224
<b>Sources of Deferred Tax Expense:</b>			
Allowance for borrowed funds used during construction, which is credited to plant	\$ 76,982	\$ 67,127	\$ 59,530
Excess of tax over book depreciation, net	23,081	17,387	13,669
Deferred fuel and energy costs, net	(10,202)	7,000	12,308
Pensions and taxes charged to utility plant, net	4,153	2,675	—
Cost of terminated construction projects, net	(3,258)	384	5,197
Deferred interest on leased nuclear fuel, net	(3,165)	(2,840)	9,567
Other, net	(6,777)	99	(1,092)
Total deferred tax expense, net	\$ 80,814	\$ 91,832	\$ 99,179
<b>Reconciliation of Federal Income Tax Expense at Statutory Rate to Total Provision for Income Taxes:</b>			
Book income before provision for income taxes	\$419,738	\$317,935	\$296,286
Federal income tax expense at statutory rate	\$193,079	\$146,250	\$136,292
Increases (reductions) in taxes resulting from:			
Allowance for equity funds used during construction, which does not constitute taxable income	(56,034)	(38,737)	(27,794)
Difference between tax and book depreciation	9,115	4,026	(2,422)
Gain on exchange of common stock for first mortgage bonds, which does not constitute taxable income	—	(9,273)	—
Other, net	1,178	(60)	(6,852)
Total provision for income taxes	\$147,338	\$102,206	\$ 99,224

(i) Amount for 1981 includes a credit of \$14,352,000 resulting from a December 1981 settlement applicable to Pennsylvania Excise Tax on Gross Receipts accrued in prior years.

The accompanying Notes to Consolidated Financial Statements are an integral part of these statements.

**1 Summary of Significant Accounting Policies:**

The consolidated financial statements include Ohio Edison Company (Company) and its wholly owned subsidiaries, Pennsylvania Power Company (Penn Power) and Ohio Edison Finance N.V. All significant intercompany transactions have been eliminated. The Company and Penn Power (Companies) follow the accounting policies and practices prescribed by The Public Utilities Commission of Ohio (PUCO), the Pennsylvania Public Utility Commission (PPUC) and the Federal Energy Regulatory Commission (FERC).

**Revenues—**

The Companies' residential and commercial customers are metered on a cycle basis. Revenue is recognized for electric service based on meters read through the end of the month.

**Deferred Fuel and Energy Costs—**

The Company recovers fuel-related costs from its retail customers through an electric fuel component (EFC). The EFC is an estimated fixed rate per kilowatt-hour included on customer bills for a six-month period and is based upon fuel-related costs for the preceding six-month period. Any over or under collection resulting from the operation of the EFC is included as an adjustment to the EFC rate in a subsequent six-month period. Accordingly, the Company defers the difference between actual fuel-related costs incurred and the amounts currently recovered from its customers.

Penn Power recovers fuel and energy costs from its retail customers through an annual "levelized" energy cost rate (ECR). The ECR, which includes adjustment for any over or under collection from customers, is recalculated each year. Accordingly, Penn Power defers the difference between actual energy costs and the amounts currently recovered from its customers.

Reference is made to Note 7 with respect to accounting for the cost of coal received from Quarto Mining Company (Quarto).

**Utility Plant and Depreciation—**

Utility plant reflects the original cost of construction, including payroll and related costs such as taxes, pensions and other fringe benefits, administrative and general costs and allowance for funds used during construction (see AFUDC).

The Companies provide for depreciation on a straight-line basis at various rates over the estimated lives of property included in plant in service. The annual composite rates for electric plant were 3.4% in 1983 and 3.3% in 1982 and 1981. The Company's depreciation rates include provisions for the estimated decommissioning costs for its only nuclear generating unit in service. Penn Power provides for the cost of decommissioning radioactive components only, in accordance with a PPUC rate order.

**Common Ownership of Generating Facilities—**

The Companies and other Central Area Power Coordination Group (CAPCO) companies own, as tenants in common, various power generating facilities. Each of the companies is obligated to pay a share of the construction costs of any jointly owned facility in the same proportion as its ownership interest. The Companies' portions of operating expenses associated with these jointly owned facilities are included in the corresponding operating expenses on the Consolidated Statements of Income. The amounts reflected on the Consolidated Balance Sheet under utility plant at December 31, 1983, include the following:

Generating Units	Utility Plant in Service	Accumulated Provision for Depreciation	Construction Work in Progress	Companies Ownership Interest
	(In Thousands)			
W. H. Sammis #7	\$ 191,105	\$ 25,791	\$ 20,948	68.80%
Bruce Mansfield #1, #2 and #3	699,917	114,670	2,907	50.68%
Beaver Valley #1 (i)	447,991	82,612	85,554	52.50%
Beaver Valley #2 (Note 5)	—	—	765,359	41.88%
Perry #1 and #2	—	—	1,231,403	35.24%
Total	\$1,339,013	\$223,073	\$2,106,171	

(i) Includes common facilities applicable to Beaver Valley #2.

All nuclear fuel in process relates to the CAPCO units but is not segregated among them.

**Nuclear Fuel—**

The Companies amortize the cost of nuclear fuel based on the rate of consumption. The Companies also make provision for future nuclear fuel disposal costs associated with the fuel.

*Allowance for Funds Used During Construction (AFUDC)*—AFUDC, a non-cash item charged to utility plant under construction during the construction period, unless otherwise included in rate base, represents the net cost of borrowed funds and equity funds used for construction purposes. The Company also charges AFUDC to certain projects which are completed but not yet included in rate base, in accordance with a PUCO order. AFUDC varies according to changes in the level of utility plant under construction and in the cost of capital. The Companies compute AFUDC utilizing a net of tax rate, which is consistent with the rate treatment. The AFUDC rate related to assets financed only through the incurrence of long-term obligations (see Note 5) is based on actual interest accrued on the obligations during the period. The annual rates used by the Company for all other construction projects were 10.90%, 10.32% and 9.84% during 1983, 1982 and 1981, respectively. Penn Power's rates applicable to such projects were 9.25% in 1983 and 1982, and 8.50% in 1981.

*Income Taxes*—

Details of the total provision for income taxes are shown on the Consolidated Statements of Taxes. The deferred income taxes result from timing differences in the recognition of revenues and expenses for tax and accounting purposes.

The Companies allocate the income tax benefit, resulting from interest expense related to utility plant under construction, to income taxes—credit included under other income and deductions on the Consolidated Statements of Income.

For income tax purposes, the Companies claim liberalized depreciation and, consistent with the rate treatment, generally follow "normalization" accounting. The Companies expect that deferred taxes which have not been provided will be collected from their customers when the taxes become payable, based upon the established rate making practices of the PUCO, the PPUC and the FERC.

The Company received \$10,480,000 in 1982 and \$37,531,000 in 1981 resulting from the sales of tax benefits applicable to property placed in service during those years in accordance with provisions of the Economic Recovery Tax Act of 1981. Of the total, \$5,823,000 and \$12,675,000, respectively, were recorded as additional deferred investment tax credits on the

Company's Consolidated Balance Sheets and are being amortized over the life of the related property. The remaining \$4,657,000 and \$24,856,000, respectively, were recorded as reductions to utility plant in service and serve to reduce the total provision for depreciation over the life of the property.

The Companies defer investment tax credits utilized and amortize these credits to income over the estimated life of the related property. At December 31, 1983, approximately \$63,000,000 of unused investment tax credits were available to offset future Federal income taxes payable. These credits expire at the end of the following years:

1995	\$18,000,000
1996	5,000,000
1997	19,000,000
1998	21,000,000
	<u>\$63,000,000</u>

*Pensions*—

The Companies' trustee, noncontributory pension plans cover almost all full-time employees. Upon retirement, employees receive a monthly pension based on length of service and compensation. Pension costs for 1983, 1982 and 1981, were \$16,904,000, \$15,448,000 and \$15,311,000, respectively. Of those amounts, \$11,913,000, \$10,350,000, and \$9,237,000, respectively, were charged to operating expenses; the balances were charged primarily to construction. Such costs include the amortization of unfunded past service costs on an actuarial basis over approximately 40 years in 1983 and 30 years in 1982 and 1981. The Companies fund pension costs accrued. A comparison of accumulated plan benefits and plan net assets from the two latest actuarial reports is as follows:

At June 30,	1983	1982
Actuarial present value of accumulated plan benefits:		
Vested	\$176,732,000	\$157,014,000
Nonvested	16,939,000	12,862,000
	<u>\$193,671,000</u>	<u>\$169,876,000</u>
Net assets available for benefits	\$314,323,000	\$224,641,000
Assumed rate of return for actuarial present value of accumulated plan benefits	8%	8%

The above total actuarial present value of accumulated plan benefits reflects pension benefits applicable to eligible employees based upon present salary levels and past years of service accumulated through the valuation date. This is

the generally accepted reporting procedure currently set forth by the Financial Accounting Standards Board. The Companies' annual contributions to the plans, however, consider estimated ultimate salary increases due to inflation and other factors and the estimated total service expected to be accumulated by employees. This is a widely recognized funding technique and is consistent with the recommendation of the Companies' actuary. In addition, the actuary recommended, and the Companies utilized, a discount rate of 7% for funding purposes. Differences between funding bases and reporting requirements can have a significant effect on the comparisons above.

## 2 Terminated Construction Projects:

In January 1930, the Companies and all other CAPCO companies terminated plans to construct four nuclear generating units. Costs, including settlement of all asserted claims resulting from termination, unrecovered by the Company and Penn Power as of December 31, 1983, applicable to these units amounted to approximately \$78,747,000 and \$16,000,000, respectively.

The PUCO had authorized recovery of the applicable portion of the Company's then known share of the construction costs from its PUCO jurisdictional customers over a ten-year period beginning in February 1981. However, due to a July 1981 Ohio Supreme Court decision which overturned a PUCO order including a similar allowance to another Ohio utility, the PUCO subsequently disallowed the Company's recovery of those costs, as service-related costs, effective August 1, 1981.

On November 3, 1982, the PUCO decided in the Company's then pending rate case to allow a rate of return above that which it otherwise would have allowed were it not for the July 1981 Ohio Supreme Court decision. Based on that order, the Company resumed amortization of the costs of the terminated units applicable to PUCO jurisdictional customers over a ten-year period. A similar adjustment was included in the Company's September 1983 PUCO rate order.

The Companies are currently seeking approval from the FERC to recover these costs from FERC jurisdictional customers to the extent they are allocable to those customers. The Companies are currently collecting interim rates from FERC jurisdictional customers which are intended to provide for recovery over a ten-year period and, accordingly, those costs applicable to FERC jurisdictional customers are being amortized over that period. The Companies believe that the construction costs were prudently incurred and have no

reason to believe that the FERC will not act favorably upon their requests. The PPUC has indicated that it will allow Penn Power to begin recovering its share of the costs allocable to PPUC jurisdictional customers over a ten-year period beginning with the effective date of new rates resulting from its pending rate increase request.

## 3 Leases:

The Companies lease nuclear fuel, certain transmission facilities, computer equipment, office space and other property and equipment under cancelable and noncancelable leases. Total rent expenses included on the Consolidated Statements of Income were \$34,778,000, \$20,766,000 and \$20,731,000 in 1983, 1982 and 1981, respectively. The future minimum rental commitments as of December 31, 1983, for all noncancelable leases recorded as operating leases are:

1984	\$ 26,696,000
1985	24,038,000
1986	21,902,000
1987	19,325,000
1988	16,177,000
Years thereafter	398,522,000

If all noncapitalized financing leases had been capitalized, the effect on total assets and liabilities would not have been material.

## 4 Capitalization:

### (a) Common Stock—

Through the Dividend Reinvestment and Stock Purchase Plan, holders of common, preferred and preference stock can acquire additional new shares of the Company's common stock by automatically reinvesting all or a portion of their dividends and by making optional cash payments. Purchases made with reinvested cash dividends on common stock are made at a price equal to 95% of the average of the high and low market prices on the investment dates, and purchases made with optional cash payments are made at a price equal to 97% of such average. Purchases of common stock made with reinvested cash



## Notes to Consolidated Financial Statements—(Continued)

dividends on preferred and preference stock are made at a price equal to 100% of the average market price. At December 31, 1983, the Company had 5,893,219 shares reserved for issuance under this plan and 1,622,546 shares of common stock reserved for possible conversion of the \$1.80 Preference Stock.

*(b) Retained Earnings—*

Under the Company's indenture, the Company's consolidated retained earnings unrestricted for payment of cash dividends on the Company's common stock were \$169,267,000 at December 31, 1983. Under Penn Power's Charter, \$33,773,000 of retained earnings at December 31, 1983, were unrestricted for payment of cash dividends to the Company.

*(c) Preferred and Preference Stock—*

At the Companies' option, all preferred and preference stock may be redeemed in whole, or in part, at any time upon not less than 30 nor more than 60 days notice, unless otherwise noted. Redemption of all preferred and preference stock issued within the past five years is subject to certain restrictions regarding refunding operations. The optional redemption prices shown on the Consolidated Statements of Capitalization will decline to eventual minimums per share according to the Charter provisions that establish each series.

*(d) Preferred Stock Subject to Mandatory Redemption—*

The Company's 10.48% Series and 10.76% Series each include provisions for a mandatory sinking fund to retire a minimum of 20,000 shares every year on December 1, and January 1, respectively, at \$100 per share plus accrued dividends. Penn Power's 8.24% Series and 11% Series each include provisions for a mandatory sinking fund to retire a minimum of 5,000 shares and 4,000 shares, respectively, every year on December 1, and January 1, respectively, at \$100 per share plus accrued dividends. Penn Power's 15% Series and 11.50% Series each include provisions for a mandatory sinking fund to retire a minimum of 3,200 shares and 15,000 shares, respectively, on July 15, of each year beginning in 1988 and 1989, respectively, at

\$100 per share plus accrued dividends. Penn Power's 10.50% Series includes a provision for mandatory redemption of the entire series on April 1, 2040, at \$100 per share plus accrued dividends.

The sinking fund requirements for the next five years are:

1984	\$2,000,000
1985	4,871,000
1986	4,900,000
1987	4,900,000
1988	5,220,000

*(e) Preference Stock Subject to Mandatory Redemption—*

The \$102.50 Series and \$95.00 Series each include provisions for a mandatory sinking fund to retire a minimum of 900 and 1,800 shares, respectively, on July 1, in each year beginning in 1984 and 1985, respectively, at \$1,000 per share plus accrued dividends. The \$1.80 Series includes a provision for a mandatory sinking fund to retire a minimum of 100,000 shares on October 1, in each year beginning in 1985, at \$15.125 per share plus accrued dividends.

The annual sinking fund requirements are \$900,000 for 1984, and \$4,213,000 for 1985 through 1988.

The \$1.80 Series is convertible at any time into common stock at a price of \$15.125 per share. Holders receive one share of common stock for each share of \$1.80 Preference Stock converted, subject to adjustment under certain conditions.

*(f) Long-Term Debt—*

The mortgages and their supplements, which secure all of the Companies' first mortgage bonds, serve as direct first mortgage liens on substantially all property and franchises, other than specifically excepted property, owned by the respective Companies.

Based on the amount of bonds authenticated by the Trustees through December 31, 1983, the Companies' annual sinking and improvement fund requirements amount to \$23,182,000. The Company expects to deposit funds in 1984 which will be withdrawn upon the surrender for cancellation of a like principal amount of bonds, which are specifically authenticated for such purposes against unfunded property additions or against previously retired

bonds. This method can result in minor increases in the amount of the annual sinking fund requirements. Penn Power expects to satisfy its requirements in 1984 by certifying unfunded property additions of 166-2/3% of the required amount.

As of December 31, 1983, the Companies' sinking and improvement fund requirements and maturing long-term debt for the next five years are:

1984	\$ 99,876,000
1985	76,325,000
1986	59,260,000
1987	184,260,000
1988	194,862,000

The weighted average interest rates shown on the Consolidated Statements of Capitalization relate to long-term debt outstanding at December 31, 1983.

Total secured and unsecured notes outstanding at December 31, 1983, and December 31, 1982, exclude \$97,112,000 and \$74,353,000, respectively, of pollution control notes, the proceeds of which were then in escrow pending their disbursement for construction of certain pollution control facilities. Penn Power's obligation to repay certain pollution control revenue bonds is secured by a series of Penn Power first mortgage bonds. The pollution control revenue bonds to which the unsecured notes relate are entitled to the benefit of irrevocable bank letters of credit of \$214,156,000. To the extent that drawings are made under those letters of credit to pay principal of, or interest on, the pollution control revenue bonds, the Company is entitled to a credit on the notes. The Company pays an annual fee of 1/2%–7/8% of the amounts of the letters of credit to the issuing banks and is obligated to reimburse the banks for any drawings thereunder.

## 5 Long-Term Obligations:

### *Ohio Edison Energy Trust (OEET)*—

OEET, which finances part of the Company's investment in Beaver Valley Unit No. 2, has two lines of revolving credit available to it for \$400,000,000 and \$100,000,000. The latter credit also serves as a standby facility in connection with OEET commercial paper sales; total borrowings under that credit and commercial paper outstanding may not exceed \$100,000,000 at any time.

The Company has transferred its interest in Beaver Valley Unit No. 2 (exclusive of common facilities and transmission facilities) to OEET, where the assets are used to secure OEET borrowings. All OEET obligations will be assumed by the Company when they become due, but not later than December 31, 1986. At the Company's option, all obligations outstanding under the \$400,000,000 revolving credit arrangement may be converted into a four-year term loan to the Company.

The Company accrues interest applicable to OEET which is subsequently capitalized, net of income tax effect. Interest on borrowings under the \$400,000,000 line of credit includes a commitment fee of 1/2% on the unused portion of this line. No direct borrowings have been or are expected to be made against the \$100,000,000 line of credit, but OEET has issued and has outstanding commercial paper supported by this facility. To the extent that borrowings are less than the \$100,000,000 available under this line of credit, the Company must pay a commitment fee of 1/2%. Under the standby support, an irrevocable bank letter of credit has been issued upon which OEET pays a fee of 1/8% of the amount of commercial paper notes outstanding. The effective average annual interest rates on OEET borrowings were 10.7%, 14.8% and 18.7% during 1983, 1982 and 1981, respectively.

### *Nuclear Fuel Financing*—

In December 1981, Ohio Edison Fuel Corporation and Pennsylvania Power Fuel Corporation (corporations in which the Companies have no ownership interest) were created to provide funds for the procurement of nuclear fuel. The fuel corporations will lease the fuel to the Companies under separate fuel leases which require lease payments sufficient to permit the fuel corporations to repay the obligations. Under ordinary circumstances, the lease payments will be made at such time and in such amounts as will coincide with the burnup of the nuclear fuel. Financing on behalf of the Companies of up to \$303,000,000 is currently available through the fuel corporations, either through revolving credit arrangements or the issuance of commercial paper, which is supported by bank letters of credit, or a combination of both.

In November 1982, the Companies also began participating in arrangements wherein the Central Area Energy Trust (CAET) finances the acquisition of nuclear material that will ultimately be used to fuel various CAPCO generating units. As part of these arrangements, the Companies have entered into purchase agreements whereby the Companies are unconditionally obligated to purchase their share of the nuclear material that has been financed through CAET in not less than two nor more than three years from the date of the agreement, unless the nuclear material reaches the point of fabrication, at which time the purchase commitment will then be due. Financing of up to \$137,000,000 is available to CAET on behalf of the Companies, subject to certain limitations.

The Companies accrue interest applicable to the nuclear fuel obligations which is subsequently capitalized, net of income tax effect. No direct borrowings have been or are expected to be made against the lines of credit available to the fuel corporations; the fuel corporations have issued and have outstanding commercial paper supported by the lines of credit. To the extent that borrowings are less than the \$303,000,000 available under these credit lines, the fuel corporations must pay commitment fees of 1/8% to 1/2% on the available portions of the lines of credit. They also pay fees of 5/8% to 7/8% for the letters of credit on the aggregate amount of outstanding commercial paper. Interest rates on CAET purchase commitments vary from 1-1/8% to 1-1/2% over the interest rate applicable to certain dealer placed commercial paper. The effective average annual interest rates applicable to nuclear fuel obligations were 10.6%, 12.6% and 13.9% during 1983, 1982 and 1981, respectively.

#### 6 Notes Payable to Banks and Lines of Credit:

The Companies have lines of credit with domestic banks that provide for borrowings of up to \$235,000,000 at rates that vary from prime up to 105% of the prevailing prime interest rates. Short-term borrowings may be made under these lines of credit on the Companies' unsecured notes. All of the current lines expire December 31, 1984; however, all unused lines may be cancelled by the banks.

The Companies maintain cash balances on deposit with banks to provide operating funds, to assure availability of \$124,000,000 of the lines of credit and for other banking arrangements. Such compensating balances, net of

"float," are expected to be maintained at an average of approximately \$5,800,000 and are not subject to any contractual restriction against withdrawal. The Companies are required to pay commitment fees that vary from a flat rate of 3/8% to a variable rate of 5% of the applicable prime interest rate to assure the availability of \$80,000,000 of the lines of credit.

#### 7 Commitments, Guarantees and Contingencies:

##### *Construction Program—*

The Companies' current budget forecasts reflect expenditures of approximately \$2,700,000,000 for property additions and improvements from 1984-1988, of which approximately \$766,000,000 is applicable to 1984. In addition, the Companies expect to invest approximately \$352,000,000 for nuclear fuel during the 1984-1988 period, of which approximately \$88,000,000 is applicable to 1984. The major portion of the Companies' construction activities during this five-year period relates to the CAPCO companies' program for the joint development of power generation and transmission facilities.

##### *Quarto Project—*

The Companies, together with the other CAPCO companies, have entered into a long-term coal supply contract with Quarto. The CAPCO companies have also agreed to severally, and not jointly, guarantee their proportionate shares of Quarto's debt and lease obligations incurred while developing and equipping the mines. As of December 31, 1983, the Companies' share of the guarantee was \$225,598,000.

Under the terms of the coal supply contract, which expires December 31, 1999, the Companies must reimburse Quarto for their shares of the costs of operating the Quarto mines, including those costs associated with mine construction, whether or not they receive coal from Quarto. These payments will permit Quarto, over the life of the contract, to meet the debt and lease obligations it incurred while developing and equipping the mines. The Companies' total payments under this contract, including amounts related to mine construction costs, amounted to \$92,644,000, \$80,709,000 and \$94,379,000 during 1983, 1982 and 1981, respectively. Under the coal supply contract, the Companies' future minimum payments related solely to mine construction costs are:

1984	\$ 26,082,000
1985	25,463,000
1986	24,846,000
1987	24,228,000
1988	23,610,000
Years thereafter	232,688,000

Based on studies concerning the economics of the Quarto project and the various alternatives available to provide the long-term fuel requirements of the Bruce Mansfield Plant, changes were made in 1981 in the mode of operation of the Quarto mines which have the effect of reducing the annual tonnage production of these mines. Additional coal requirements for the Bruce Mansfield Plant are currently being procured in the open market and the Companies are presently continuing to evaluate the alternatives for making additional arrangements to fulfill, together with the use of coal from the Quarto project, the long-term fuel requirements of the Bruce Mansfield Plant. These changes are part of a fuel procurement strategy designed to reduce the weighted average price of coal used at the Bruce Mansfield Plant. The Companies will continue to monitor the Quarto project and conduct such additional studies of the economics of the project as are deemed warranted by the circumstances.

Under the terms of the coal supply contract, the price of Quarto coal is based on, among other things, the actual production costs plus amortization of certain production expenses which were not included in the price of that coal prior to May 31, 1980, when the development period ended.

Following the end of the development period, the Company was ordered by the PUCO, and Penn Power was ordered by the PPUC, to defer recovery of the cost of Quarto coal in excess of generally prevailing market prices, pending further proceedings. As a result of those orders, the Companies began deferring a portion of the cost of Quarto coal, rather than including such costs in their respective EFC and ECR.

Thereafter, the PUCO allowed the Company to implement a recovery formula with respect to Quarto coal costs that resulted in the recovery of current Quarto coal costs plus a portion of its previously deferred costs. However, that recovery mechanism was suspended by the PUCO on August 1, 1983, pending further review. On January 31, 1984, following the Company's semiannual fuel hearing, the PUCO approved a method, effective January 1, 1984, which provides an opportunity for recovery of the current cost of Quarto coal plus costs which were deferred in prior years. The PUCO order allows the Company to recover in its EFC the current cost of Quarto coal up to 125% of the prevailing comparable delivered market price. Previously deferred costs may also be recovered to the extent that the actual cost of all coal burned at the Bruce Mansfield Plant, including the recoverable cost of Quarto coal, is less than

110% of such prevailing market price. The PUCO order states that the Company must recover previously deferred costs (amounting to approximately \$57,375,000 at December 31, 1983) under this method at the rate of at least one-sixth per year. Any previously deferred costs not so recovered during each year would not be recoverable under ordinary circumstances. In addition, any current costs of Quarto coal not recoverable under the 125% limitation can no longer be deferred under ordinary circumstances. Although unable to predict the ultimate level of recovery, based upon current and projected operation of the Quarto mines, and market prices, the Company believes that this method provides a sufficient basis to recover the deferred costs and future costs of Quarto coal under the jurisdiction of the PUCO.

On February 10, 1984, an Administrative Law Judge for the PPUC issued his Initial Decision in the proceedings relating to the recovery of the cost of Quarto coal. The Initial Decision would allow Penn Power to recover in its ECR the current cost of Quarto coal and the costs which were deferred in prior years (amounting to approximately \$9,875,000 at December 31, 1983) to the extent that the actual cost of all coal burned at the Bruce Mansfield Plant is less than the generally prevailing delivered market price for comparable coal. Penn Power may continue to defer costs which are in excess of the amount allowed to be recovered on a current basis. The Initial Decision will become final, unless it is appealed to the PPUC or the PPUC elects to review the Decision. Although unable to predict the final resolution of this matter, management believes that its ultimate disposition will not have a material adverse effect upon the Company's consolidated results of operations.

An issue has been raised in the Companies' most recent rate cases before the FERC concerning the amount of the cost of Quarto coal that may be included in the Companies' charges for electric service to their wholesale customers. In the case involving the Company, an agreement between the Company and its wholesale customers has been filed with the FERC which provides for recovery of the cost of Quarto coal pursuant to the method used by the PUCO. The FERC has not yet acted upon the agreement.

*Environmental Matters—*

Various Federal, state and local authorities regulate the Companies with regard to air and water quality and other environmental matters. The Companies estimate that compliance requires capital expenditures of approximately \$508,000,000 for projects remaining to be completed. Of this amount, approximately \$322,000,000 was spent prior to 1984, and \$186,000,000 is included in the construction estimate given above under "Construction Program" for 1984 through 1988. If Penn Power is required to install off-stream cooling in connection with the operation of the New Castle Plant, costs (based on a 1980 study) estimated between \$13,800,000 and \$31,500,000, depending on the required thermal limitations, would be incurred. In addition, annual operating costs would increase substantially. Penn Power expects that the impact of any such capital and operating expenditures would eventually be reflected in its rate schedules.

On December 19, 1980, the Commonwealth of Pennsylvania petitioned the Federal Environmental Protection Agency (EPA) to make findings under Section 126 of the Clean Air Act. Section 126 provides a remedy for a downwind state that can show adverse impact because air pollution in an upwind state causes nonattainment of air quality standards in the downwind state. Pennsylvania's petition complains of excessive particulate and sulfur dioxide (SO<sub>2</sub>) emissions from a number of sources in Ohio and other states, including potentially all of the Companies' Ohio plants. The states of New York and Maine have filed similar petitions which have subsequently been consolidated with the Pennsylvania petition. In January 1984, a number of states, together with various environmental organizations, sent the EPA a notice of their intent to sue the EPA for failing to render a timely decision on the pending Section 126 petitions. The notice also asserts that the EPA has a mandatory duty to order cutbacks in SO<sub>2</sub> emissions in Ohio and other states under Section 115 of the Clean Air Act, which deals with international air pollution. These proceedings could ultimately result in the revision of the particulate and SO<sub>2</sub> emission limitations for these plants, to make them more stringent. The Company is unable to predict the outcome of these proceedings.

As a part of the reauthorization of the Clean Air Act, legislation has been introduced in Congress to address the so-called "acid rain problem." Various bills introduced thus far would require reductions in SO<sub>2</sub> emissions from utility

power plants and other sources located in several states, including Ohio and Pennsylvania. The Company is unable to predict whether the proposed bills will be enacted and, if so, to what extent, if any, the SO<sub>2</sub> emission limits at the Companies' plants would be affected. Substantial changes in the SO<sub>2</sub> emission limits could result in the need for changes in coal supply, significant capital investments in flue gas desulfurization equipment or the closing of some coal-fired generating capacity to assure compliance. If flue gas desulfurization equipment were to be installed on all of their generating units to achieve compliance, a circumstance that may be physically impossible because of space limitations at certain of their plants, the Companies estimate that the capital costs associated with such installation could exceed \$1,000,000,000. The Companies expect that any such capital costs, as well as any increased operating costs associated with such equipment, would ultimately be recovered from their customers.

On October 11, 1983, the U.S. Court of Appeals for the District of Columbia reversed several significant portions of the EPA's regulations on the methods used by the EPA to determine the amount of stack height credit for establishing individual source emission limitations. The EPA is currently considering changes to its stack height regulations to conform them to the court's decision. Such changes could result in more stringent emission limitations for existing plants and increased capital costs and operating expenses. The utility industry is seeking review of the decision before the U.S. Supreme Court. The Company is unable to predict the ultimate outcome of this proceeding.

The Pennsylvania Department of Environmental Resources has informed Penn Power that it intends to enter into a Consent Agreement with Penn Power in an effort to substantially reduce alleged opacity violations at the New Castle Plant. Such Consent Agreement may ultimately include capital expenditures and changes in operations at the plant as well as an undeterminable penalty payment. Management is unable to predict the terms of the Consent Agreement but anticipates that any capital costs and increased operating expenses would ultimately be recovered from Penn Power's customers and that any penalty payment would not be material to the Company's consolidated results of operations.

*Other Legal Actions and Complaints—*

In 1977, the Boroughs of Ellwood City and Grove City, Pennsylvania, filed a complaint against Penn Power, alleging that Penn Power, individually and in conspiracy with the Company and other CAPCO companies, has

violated Sections 1 and 2 of the Sherman Act and Sections 4 and 16 of the Clayton Act by restraining and monopolizing trade and commerce in alleged markets for electric power. Damages of \$7,000,000 (to be trebled) and injunctions against the alleged unlawful acts were originally sought. In February 1984, the Boroughs revised their claimed damages up to \$9,743,000. In 1979, the Court granted summary judgment in favor of Penn Power as to certain allegations of the complaint. In February 1983, Penn Power filed a Motion for Summary Judgment on the claims not dismissed by the Court's 1979 Order. Also in February 1983, the Boroughs asked the Court to allow them to amend their complaint. In August 1983, the Court granted Penn Power summary judgment on the Boroughs' conspiracy claims, denied summary judgment on "price squeeze" and Robinson-Patman Act claims, and denied the Boroughs' request to amend their complaint. Trial is anticipated to begin in the second quarter of 1984. Management is unable to predict the ultimate outcome of this action.

The PPUC is investigating an outage of Beaver Valley Unit No. 1 which occurred during the period March-August 1979. The outage had been ordered by the Nuclear Regulatory Commission to analyze possible seismic deficiencies of safety-related piping and pipe supports in the Unit. The PPUC has ordered that the operating company of the Unit make refunds to that company's customers based upon that company's expenditures for purchased replacement power during the outage. The PPUC is currently investigating Penn Power's liability, if any, for the outage and whether refunds are due to Penn Power's customers for purchased replacement power expenses incurred during the outage which were included in its energy clause. If Penn Power is required at some future time to make such a refund, it is not expected that the amount would be material to the Company's consolidated results of operations.

#### 8 Extraordinary Income:

During 1982, the Company exchanged 2,650,600 shares of its common stock for \$53,432,000 principal amount of its outstanding first mortgage bonds which were subsequently retired. The exchange resulted in a non-taxable gain of \$20,158,000, which is included as an extraordinary item on the 1982 Consolidated Statement of Income. During 1981, the Company purchased and subsequently retired \$65,821,000 principal amount of its outstanding first mortgage bonds for cash. This resulted in a gain of \$26,276,000, which is included as an extraordinary item, net of related income taxes of \$12,234,000, on the 1981 Consolidated Statement of Income.

#### 9 Summary of Quarterly Financial Data:

The following summarizes certain consolidated operating results for the four quarters of 1983 and 1982.

Three Months Ended	March 31, 1983	June 30, 1983	September 30, 1983	December 31, 1983
(In thousands, except per share amounts)				
Operating Revenues	\$378,157	\$364,478	\$386,400	\$386,817
Operating Expenses and Taxes	302,104	296,956	308,288	305,753
Operating Income	76,053	67,522	78,112	81,064
Other Income and Deductions	47,530	50,060	54,668	55,291
Net Interest and Other Charges	59,472	57,578	60,017	60,833
Net Income	\$ 64,111	\$ 60,004	\$ 72,763	\$ 75,522
Earnings on Common Stock	\$ 54,091	\$ 48,708	\$ 61,117	\$ 63,927
Weighted Average Number of Shares of Common Stock Outstanding	96,841	100,244	105,312	107,261
Earnings per Share of Common Stock	\$ .56	\$ .49	\$ .58	\$ .60

Three Months Ended	March 31, 1982	June 30, 1982	September 30, 1982	December 31, 1982
(In thousands, except per share amounts)				
Operating Revenues	\$361,190	\$328,834	\$374,328	\$365,274
Operating Expenses and Taxes	286,837	258,311	315,272	299,566
Operating Income	74,353	70,523	59,056	65,708
Other Income and Deductions	35,819	30,505	50,212	43,711
Net Interest and Other Charges	56,335	58,937	59,820	59,224
Income Before Extraordinary Item	53,837	42,091	49,448	50,195
Extraordinary Item	—	20,158	—	—
Net Income	\$ 53,837	\$ 62,249	\$ 49,448	\$ 50,195
Earnings on Common Stock	\$ 45,644	\$ 54,095	\$ 41,326	\$ 40,431
Weighted Average Number of Shares of Common Stock Outstanding	79,131	81,122	88,021	92,688
Earnings per Share of Common Stock: Before Extraordinary Item (after preferred and preference stock dividend requirements)	\$ .58	\$ .42	\$ .47	\$ .44
Extraordinary Item	—	.25	—	—
Earnings on Common Stock	\$ .58	\$ .67	\$ .47	\$ .44

## Notes to Consolidated Financial Statements--(Continued)

**10 Supplementary Financial Data--Financial Reporting and Changing Prices (Unaudited):**

Statement of Financial Accounting Standards No. 33, "Financial Reporting and Changing Prices" (SFAS No. 33), provides for the preparation of supplementary financial in-

formation to disclose the estimated effects of inflation and changes in prices on property, plant and equipment. This data is presented in accordance with SFAS No. 33; however, it is not intended as a substitute for earnings reported on a historical cost basis.

Results of Operations Adjusted for the Effects of Changing Prices for the Year Ended December 31, 1983	Adjusted for General Inflation	Adjusted for Change in Specific Prices (Current Cost)
	(Thousands of average 1983 dollars)	
Income from continuing operations	\$227,843	\$227,843
Inflationary Effects on Common Equity:		
Capital Investments Effects—		
Increase in specific prices (current cost) of property held during the year (i)	—	443,524
Change in general price level on property held during the year	—	(336,848)
Reduction to net recoverable cost	(52,921)	(123,622)
Additional provision for depreciation	(127,538)	(163,513)
	(180,459)	(180,459)
Advantage from the decrease in purchasing power of net monetary liabilities	120,422	120,422
Net erosion of common stockholders' equity	(60,037)	(60,037)
Income from continuing operations adjusted for changing prices (ii)	\$167,806	\$167,806

(i) At December 31, 1983, net property, plant and equipment, adjusted for changes in specific prices (current cost) was \$9,524,525,000, while historical cost (net recoverable cost) was \$5,157,196,000.

(ii) Income from continuing operations, adjusted for general inflation and adjusted for change in specific prices (current cost) would be \$100,305,000 and \$64,330,000, respectively, if only the amount reportable as additional provision for depreciation was included in the adjustment.

Comparison of Supplementary Financial Data  
For the Years Ended December 31

	1983	1982	1981	1980	1979
<b>Operating Revenues—</b>					
Historical	\$1,515,852	\$1,429,626	\$1,279,649	\$1,080,869	\$ 994,585
Adjusted to average 1983 dollars	\$1,515,852	\$1,475,615	\$1,401,789	\$1,306,853	\$1,363,153
<b>Income (Loss) from Continuing Operations—</b>					
Historical	\$ 227,843	\$ 161,338	\$ 143,850	\$ 101,403	\$ 105,120
Adjusted for changing prices (average 1983 dollars)	\$ 167,806	\$ 115,172	\$ 58,785	\$ (27,098)	\$ (8,294)
<b>Income (Loss) from Continuing Operations per Common Share—</b>					
Historical	\$2.22	\$1.89	\$2.10	\$1.52	\$1.80
Adjusted for changing prices (average 1983 dollars)	\$1.64	\$1.35	\$.83	\$.40	\$.14
<b>Return from Continuing Operations on Average Common Equity—</b>					
Historical	14.2%	12.3%	13.5%	9.7%	11.2%
Adjusted for changing prices	10.5%	8.3%	4.8%	(2.1)%	(0.6)%
<b>Effective Income Tax Rate—</b>					
Historical	35.1%	32.1%	33.5%	28.3%	21.9%
Adjusted for changing prices	41.0%	38.1%	49.6%	82.5%	61.5%
<b>Excess of Increase in the Specific Level of Prices on Property, Plant and Equipment Over General Price Changes</b> (average 1983 dollars)	\$ 106,676	\$ 344,737	\$ (40,337)	\$ (202,722)	\$ (115,228)
<b>Advantage Resulting from the Decrease in Purchasing Power of Net Monetary Liabilities</b> (average 1983 dollars)	\$ 120,422	\$ 110,243	\$ 235,821	\$ 306,178	\$ 339,387
<b>Year End Common Stockholders' Equity—</b>					
Historical	\$1,711,974	\$1,488,371	\$1,229,044	\$1,067,524	\$ 970,110
Adjusted for changing prices (average 1983 dollars)	\$1,682,449	\$1,519,188	\$1,303,752	\$1,226,489	\$1,261,648
<b>Cash Dividends Declared per Common Share—</b>					
Historical	\$1.80	\$1.76	\$1.76	\$1.76	\$1.76
Adjusted to average 1983 dollars	\$1.79	\$1.82	\$1.92	\$2.11	\$2.41
<b>Year End Market Price per Common Share—</b>					
Historical	\$12.25	\$14.00	\$11.625	\$11.875	\$13.375
Adjusted to average 1983 dollars	\$12.04	\$14.29	\$12.32	\$13.72	\$17.36
<b>Average Consumer Price Index</b>	298.4	289.1	272.4	246.8	217.4

## Auditors' Report

The increase in specific prices of property held during the year attempts to measure increasing asset values which approximate dollars that would have to be spent today to acquire property, plant and equipment identical to assets currently owned. The Companies use the Handy-Whitman Index of Public Utility Construction Costs and the Bureau of Labor and Statistics engineering indices to calculate the current cost of those assets. The indices are applied to actual dollars spent on large construction projects according to the year of expenditure. For all other plant facilities, the current cost is determined based upon the year the facilities were placed in service.

Changes in the valuation of assets adjusted for general inflation are computed by using the average Consumer Price Index for All Urban Consumers for the calendar year, according to the guidelines set forth in SFAS No. 33.

As shown on the results of operations adjusted for the effects of changing prices, the erosion of common stockholders' equity is identical either adjusted for general inflation or adjusted for specific price changes. This results from the effect of regulation in setting the Companies' electric rates. Since those rates are based upon historical costs of utility plant, the inflation-adjusted results of operations must recognize this limitation; this is accomplished by the reduction to net recoverable cost shown on the summary.

Additional depreciation expense adjusted for general inflation and for the change in specific prices was determined using the same rates and methods used for computing the historical cost provision for depreciation. No inflation adjustment has been reflected for income taxes, in conformity with the reporting requirements of SFAS No. 33.

During periods of inflation, the Companies' net monetary liabilities (principally long-term debt and preferred stock) will be repaid with dollars having less purchasing power than dollars had when the original liability was incurred. This economic benefit is portrayed on the summary as the advantage from the decrease in purchasing power of net monetary liabilities, which serves as an offset to the inflationary effects of replacing the Companies' property, plant and equipment.

To the Stockholders and Board of Directors of Ohio Edison Company:

We have examined the consolidated balance sheets and consolidated statements of capitalization of Ohio Edison Company (an Ohio corporation) and its subsidiary companies as of December 31, 1983, and 1982, and the consolidated statements of income, retained earnings, capital stock and other paid-in capital, sources of funds for property additions and taxes for each of the three years in the period ended December 31, 1983. Our examinations were 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.

In our opinion, the financial statements referred to above present fairly the financial position of Ohio Edison Company and its subsidiary companies as of December 31, 1983, and 1982, and the results of its operations and the sources of funds for property additions for each of the three years in the period ended December 31, 1983, in conformity with generally accepted accounting principles applied on a consistent basis.

*Arthur Andersen & Co.*

ARTHUR ANDERSEN & CO.

New York, N.Y.  
February 14, 1984



## Consolidated Financial Statistics

	1983	1982	1981	1980	1979	1978	1973
<b>General Financial Information</b>							
(Dollars in thousands, except per share amounts)							
Total Operating Revenues	\$1,515,852	\$1,429,626	\$1,279,649	\$1,080,869	\$994,585	\$862,956	\$385,806
Operating Income	\$302,751	\$269,640	\$252,381	\$169,383	\$163,744	\$123,945	\$89,664
Earnings on Common Stock	\$227,843	\$181,496	\$163,892	\$101,403	\$105,120	\$61,259	\$58,697
Ratio of Earnings on Common Stock to Operating Revenues	15.0%	12.7%	12.8%	9.4%	10.6%	7.1%	15.2%
Times Interest Earned Before Income Tax	2.31x	2.02x	2.11x	2.05x	2.31x	1.67x	3.02x
Net Utility Plant at December 31	\$5,150,902	\$4,522,733	\$3,867,757	\$3,435,267	\$3,012,197	\$2,717,820	\$1,357,017
Property Additions	\$745,798	\$774,233	\$568,044	\$515,020	\$476,746	\$395,162	\$227,700
Capitalization at December 31:							
Common Stockholders' Equity	\$1,711,974	\$1,488,371	\$1,229,044	\$1,067,524	\$970,110	\$851,686	\$438,182
Preferred and Preference Stock Not Subject to Mandatory Redemption	404,240	354,240	304,240	306,905	306,905	306,905	160,905
Preferred and Preference Stock Subject to Mandatory Redemption	158,112	152,560	151,141	156,450	150,850	98,000	—
Long-Term Debt	2,131,404	2,005,436	1,759,771	1,594,384	1,410,782	1,343,195	711,678
Total Capitalization	\$4,405,730	\$4,000,607	\$3,444,196	\$3,125,263	\$2,838,647	\$2,599,786	\$1,310,765
Capitalization Ratios at December 31:							
Common Stockholders' Equity	38.9%	37.2%	35.7%	34.2%	34.2%	32.7%	33.4%
Preferred and Preference Stock Not Subject to Mandatory Redemption	9.1	8.9	8.8	9.8	10.8	11.8	12.3
Preferred and Preference Stock Subject to Mandatory Redemption	3.6	3.8	4.4	5.0	5.3	3.8	—
Long-Term Debt	48.4	50.1	51.1	51.0	49.7	51.7	54.3
Total Capitalization	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Long-Term Obligations at December 31	\$719,364	\$656,655	\$447,484	\$265,000	—	—	—
Cost of Preferred & Preference Stock Outstanding at December 31	9.63%	9.17%	8.37%	8.38%	8.36%	7.99%	5.91%
Cost of Long-Term Debt Outstanding at December 31	10.82%	10.69%	9.99%	9.16%	8.13%	7.71%	6.26%
<b>Common Stock Data</b>							
Earnings per Average Common Share	\$2.22	\$2.13	\$2.30	\$1.52	\$1.80	\$1.19	\$2.14
Return on Average Common Equity	14.2%	13.5%	14.6%	9.7%	11.2%	7.1%	14.7%
Dividends Paid Per Share	\$1.80	\$1.76	\$1.76	\$1.76	\$1.76	\$1.76	\$1.58½
Common Stock Dividend Payout Ratio	81%	83%	77%	116%	98%	148%	74%
Common Stock Dividend Yield at December 31	14.7%	12.6%	15.1%	14.8%	13.2%	11.8%	7.8%
Price/Earnings Ratio at December 31	5.5	6.6	5.1	7.8	7.4	12.5	9.5
Shares of Common Stock Outstanding at December 31 (000)	108,460	96,082	78,676	68,526	59,622	52,120	28,695
Book Value per Common Share at December 31	\$15.78	\$15.49	\$15.62	\$15.58	\$16.27	\$16.34	\$15.27
Market Price per Common Share at December 31	\$12.25	\$14.00	\$11.625	\$11.875	\$13.375	\$14.875	\$20.25
Ratio of Market Price to Book Value per Share at December 31	78%	90%	74%	76%	82%	91%	133%

# Consolidated Operating Statistics

	1983	1982	1981	1980	1979	1978	1973
<b>Revenue From Electric Sales (thousands):</b>							
Residential	\$ 540,167	\$ 497,941	\$ 442,267	\$ 398,832	\$360,273	\$314,867	\$141,473
Commercial	385,277	356,325	308,599	268,788	240,458	205,901	99,428
Industrial	421,736	383,535	381,162	330,717	315,185	258,767	115,320
Other	69,278	67,828	53,993	50,420	42,607	46,471	17,064
Subtotal	1,416,458	1,305,629	1,186,021	1,048,757	958,523	826,006	373,285
Sales to Utilities	76,220	101,688	73,966	12,381	10,185	9,346	3,300
Total	\$1,492,678	\$1,407,317	\$1,259,987	\$1,061,138	\$968,708	\$835,352	\$376,585
<b>Revenue From Electric Sales — %:</b>							
Residential	36.2%	35.4%	35.1%	37.6%	37.2%	37.7%	37.6%
Commercial	25.8	25.3	24.5	25.3	24.8	24.6	26.4
Industrial	28.3	27.3	30.2	31.2	32.5	31.0	30.6
Other	4.6	4.8	4.3	4.7	4.4	5.6	4.5
Subtotal	94.9	92.8	94.1	98.8	98.9	98.9	99.1
Sales to Utilities	5.1	7.2	5.9	1.2	1.1	1.1	0.9
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
<b>Kilowatt-Hour Sales (millions):</b>							
Residential	6,735	6,733	6,747	6,801	6,650	6,501	5,390
Commercial	5,096	4,996	4,917	4,812	4,693	4,470	4,036
Industrial	8,386	7,708	9,352	8,909	9,830	9,600	9,863
Other	1,211	1,227	1,181	1,370	1,346	1,309	1,073
Subtotal	21,428	20,664	22,197	21,892	22,519	21,880	20,362
Sales to Utilities	2,917	3,361	2,465	502	441	429	311
Total	24,345	24,025	24,662	22,394	22,960	22,309	20,673
<b>Customers Served at December 31:</b>							
Residential	878,949	873,877	872,303	867,447	861,196	848,268	786,744
Commercial	90,072	89,706	83,231	88,505	87,425	86,410	81,777
Industrial	1,003	1,048	1,069	1,059	1,161	1,160	1,128
Other	736	724	711	704	693	689	579
Total	970,760	965,355	963,313	957,715	950,475	936,527	870,228
Average Annual Residential KWH Usage	7,695	7,723	7,760	7,870	7,780	7,724	6,935
Average Residential Price Per KWH	8.02¢	7.40¢	6.56¢	5.86¢	5.42¢	4.84¢	2.62¢
Cost of Coal Per Million BTU	\$1.62	\$1.75	\$1.81	\$1.50	\$1.26	\$1.16	\$ .40
<b>Generating Capability at December 31 (megawatts):</b>							
Coal	4,858	4,858	4,907	4,899	4,861	4,861	3,939
Oil	164	354	354	364	423	423	327
Nuclear	425	425	425	425	425	420	—
Total	5,447	5,637	5,686	5,688	5,709	5,704	4,266
<b>Sources of Electric Generation:</b>							
Coal	89.8%	93.8%	89.9%	98.7%	93.9%	90.4%	99.2%
Oil	—	0.1	0.2	0.6	2.0	3.5	0.8
Nuclear	10.2	6.1	9.9	0.7	4.1	6.1	—
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Peak Load — Megawatts	4,148	4,073	4,148	4,210	4,105	4,038	3,810
Number of Employees at December 31	7,702	7,885	7,669	7,503	7,157	6,765	6,073

**Stockholder Profile**

At the end of 1983, 204,000 stockholders owned 108.5 million shares of Ohio Edison common stock. Approximately 31 percent of those stockholders are women, 25 percent are men and 33 percent are joint holders. The remaining 11 percent are trusts, corporations, institutions, brokers and other investment groups.

Nearly 75 percent of common stockholders own 300 shares or less. They live in all 50 states and many foreign countries.

**Common Stock Dividends and Taxability**

In the first quarter of 1983, the Company's Board of Directors increased the quarterly dividend on common stock. Dividends of 45 cents per share were declared by the Board for each quarter of 1983.

For the year, 46 percent of common stock dividends were designated as a return of capital, and therefore nontaxable for federal income tax purposes, unless the stock was sold. Preferred and preference stock dividends paid during 1983 were 100 percent taxable. These figures are subject to final determination by the Internal Revenue Service (IRS) and stockholders will be notified of any significant change.

**Dividend Withholding**

During the summer, Congress repealed a law that would have required the Companies to withhold 10 percent of most dividend payments for tax purposes. But we are required to comply with backup withholding measures.

According to federal income tax law, each common, preferred and preference stockholder must provide the Company with a taxpayer identification number, which is either a social security number or employer identification number. Beginning December 30, 1983, forms were mailed enabling stockholders to certify their taxpayer

identification number, or supply a number if missing. For new accounts opened after January 1, 1984, stockholders must provide their taxpayer identification number, plus certification that the number is correct and the IRS has not identified them as taxpayers whose dividends should be subject to withholding.

Stockholders who fail to provide the necessary information will be subject to certain IRS penalties and a 20 percent withholding tax on dividends. For additional information on these new requirements, contact the IRS or your tax advisor.

**Dividend Reinvestment**

In 1983, 14,000 stockholders enrolled in the Company's Dividend Reinvestment and Stock Purchase Plan, raising the total number of participants to 66,753, or 30 percent of all stockholders. By reinvesting \$57 million in dividends and making optional cash payments of \$40 million, they acquired more than 7 million shares of common stock during the year.

The Economic Recovery Tax Act of 1981 provides that through 1985, most participants in qualified dividend reinvestment plans such as Ohio Edison's may exclude from their yearly income up to \$750 per year (\$1,500 on a joint return) of taxable dividends reinvested. We anticipate that a portion of common stock dividends paid during the next few years will be designated as a return of capital. Participants should consult their own tax advisors to determine the proper treatment of common stock dividends on their federal tax return.

Additional information about the Plan, and a Prospectus, can be obtained by contacting Ohio Edison's Stockholder Services.

**Annual Meeting of Stockholders**

Stockholders are cordially invited to attend the 1984 Annual Meeting on Thursday, April 26, at 10 a.m., local time, in the Company's General Office auditorium in Akron, Ohio. Those unable to or choosing not to attend can vote on the items of business presented at the meeting by filling out and returning the proxy card that is mailed to each stockholder approximately 30 days prior to the meeting.

**Additional Information**

Information and assistance on individual holdings, dividend payments, dividend reinvestment or the transfer or registration of stock can be obtained by writing to Ohio Edison Company, Stockholder Services, 76 South Main Street, Akron, Ohio 44308, or by calling (216) 384-5509.

Ohio Edison Company common stock is listed on the New York and Midwest stock exchanges and traded on other registered exchanges under the "OEC" ticker symbol. Newspapers generally use the symbol "OhioEd" in stock listings.

A copy of our 1983 Annual Report to the Securities and Exchange Commission, Form 10-K, will be provided without charge to stockholders upon request. To receive a copy, please write to Gregory F. LaFlame, Secretary, Ohio Edison Company, 76 South Main Street, Akron, Ohio 44308.

For information and assistance on the transfer or registration of all classes of Company stock, contact:

**Transfer Agent:**

Transfer Agent  
Ohio Edison Company  
76 South Main Street  
Akron, Ohio 44308

**Registrar:**

BancOhio National Bank  
One Cascade Plaza  
Akron, Ohio 44308

## Ohio Edison Company

### Board of Directors

#### Donald C. Blasius

Chairman of the Board and Chief Executive Officer of The Tappan Company, Mansfield, Ohio (appliances and furnishings). Member, Nominating Committee, Finance Committee.

#### William A. Derrick

Independent Electrical and Mechanical Engineering Consultant, also President of Leisure Industries, Inc., Sandusky, Ohio (developer of real estate and residential buildings). Chairman, Compensation Committee.

#### Dr. Lucille G. Ford

Vice President and Dean of Business Administration and Economics, and Director, Gill Center for Business & Economic Education, Ashland College, Ashland, Ohio. Chairman, Nominating Committee; Member, Finance Committee.

#### Robert L. Loughhead

Chairman of the Board, President and Chief Executive Officer of Weirton Steel Corporation, Weirton, West Virginia (steel products). Member, Compensation Committee, Audit Committee.

#### Glenn H. Meadows

President of McNeil Corporation, Akron, Ohio (various manufactured products). Member, Compensation Committee, Audit Committee.

#### John Nelson

President and Chairman of the Board of Commercial Shearing, Inc., Youngstown, Ohio (engineered metal components). Member, Compensation Committee.

#### Victor A. Owoc

Executive Vice President of Ohio Edison. Member, Finance Committee.

#### Justin T. Rogers, Jr.

President of Ohio Edison and Chairman of the Board of its subsidiary, Pennsylvania Power Company. Chairman, Finance Committee; Member, Nominating Committee.

#### Douglas W. Tschappat

Executive Vice President of Ohio Edison.

#### Frank C. Watson

President of The Youngstown Welding and Engineering Company, Youngstown, Ohio (nonferrous alloys). Chairman, Audit Committee; Member, Nominating Committee.

#### William C. Zekan

President and Chairman of the Board of A. Schulman, Inc., Akron, Ohio (custom plastic compounds). Member, Audit Committee.

### Directors Emeritas

#### D. Bruce Mansfield

#### Walter H. Sammis

#### Fred H. Zuck

### Officers

#### Justin T. Rogers, Jr.

President

#### Victor A. Owoc

Executive Vice President

#### Douglas W. Tschappat

Executive Vice President

#### Lynn Firestone

Senior Vice President

#### David R. Gundry

Senior Vice President

#### Robert J. McWhorter

Senior Vice President

#### William C. Zekan

Senior Vice President

#### Robert L. Loughhead

Senior Vice President

#### Paul E. Stary

Senior Vice President

#### Charles W. Buehler

Senior Vice President

#### Donald F. Lutz

Senior Vice President

#### James E. Markle

Senior Vice President

#### John A. Gill

Senior Vice President

#### Malcolm E. Cash

Senior Vice President

#### William A. Derrick

Senior Vice President

#### John Nelson

Senior Vice President

#### Victor A. Owoc

Senior Vice President

#### Justin T. Rogers, Jr.

Senior Vice President

#### Douglas W. Tschappat

Senior Vice President

#### Frank C. Watson

Senior Vice President

#### William C. Zekan

Senior Vice President

### Division Managers

#### John A. Gill

Akron Division

#### Anthony N. Gorant

Bay Division

#### James E. Markle

Lake Erie Division

#### Malcolm E. Cash

Mansfield Division

#### William C. Zekan

Senior Vice President

#### John Nelson

Senior Vice President

#### Victor A. Owoc

Senior Vice President

#### Justin T. Rogers, Jr.

Senior Vice President

#### Douglas W. Tschappat

Senior Vice President

#### Frank C. Watson

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**OHIOEDISON**  
The Energy Makers

76 South Main Street  
Akron, Ohio 44308

Bulk Rate  
U.S. Postage  
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Akron, Ohio  
Permit No. 561

ANNUAL REPORT **1983**