

# Electric Light System

Report of 1929 Operation and Yearly Comparisons

## 1929 GENERATION IN K. W. H. COMPARED

	1926	1927	1928	1929
Total Annual Generation ..	6,064,000	6,368,000	6,672,000	7,259,000
Average Daily Generation ..	16,614	17,446	18,229	19,887
Maximum Daily Generation .	23,000	24,000	26,000	29,000

## PEAK LOADS IN K. W. H. COMPARED

Maximum Peak Load .....	1,520	1,650	1,790	1,930
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## COAL AND FREIGHT COSTS COMPARED

	1926	1927	1928	1929
Yearly Coal Purchased in Tons .....	11,260.50	11,501.30	11,764.55	11,143.05
Yearly Generation in K. W. H. ....	6,064,000	6,368,000	6,672,000	7,259,000
Ratio—Pounds of Coal to K. W. H. ....	3.713	3.612	3.526	3.070
Total Cost of Coal and Freight .....	\$36,170.29	\$37,595.12	\$37,808.85	\$33,495.79
K. W. H. Cost of Coal and Freight .....	\$ .00596	\$ .00590	\$ .00567	\$ .00461
Total Plant Operation & Maintenance Costs ....	\$72,137.78	\$78,093.24	\$79,518.28	\$72,895.45
K. W. H. Cost Total Operation & Maintenance \$	.01190	.01226	.01192	.01004

## RECEIPTS COMPARED

	1926	1927	1928	1929
From Metered Sales ..	\$203,143.80	210,581.15	213,423.77	\$215,683.12
From Flat Sales .....	1,231.04	800.14	531.36	531.36
Customer Deposits ....	3,582.50	4,187.50	3,797.50	4,230.00
Miscellaneous .....	10,166.34	5,049.10	2,370.27	4,325.80
Totals .....	\$218,123.68	220,617.89	220,122.90	\$224,770.28

## EXPENSES COMPARED

	1926	1927	1928	1929
Plant Oper. & Maint. \$	72,137.78	\$ 78,093.24	\$ 79,518.28	\$ 72,895.45
Distribution Mainte. & Operation ..	18,075.31	21,389.15	23,964.78	30,665.24
Office & Supervision	7,283.72	9,108.76	9,357.33	9,369.34
Refunds .....	3,903.21	5,079.14	4,642.39	3,703.35
Sinking Fund, Earnings ....	40,000.00	40,000.00	41,100.00	34,425.00
Sub-total ...	\$141,400.02	\$153,670.29	\$158,582.78	\$151,058.38

## ADDITIONS AND IMPROVEMENTS PAID FROM EARNINGS

Capital Expense ..	12,717.18	13,654.61	21,176.74	132,288.88
Totals .....	\$154,117.20	\$167,324.90	\$179,795.52	\$283,347.26

## CLASSIFICATION OF CUSTOMERS

	1927	1928	1929
Power Customers .....	140	144	146
Light Customers .....	3,591	3,724	3,809
Stove and Heat Customers .....	99	101	95
Miscellaneous .....	27		
Totals .....	3,857	3,969	4,050

### CLASSIFICATION OF STREET LAMPS\*

	1927	1928	1929
60 Watt Alley Lamps .....	95	18	18
60 Watt Traffic Signal Lamps .....		84	89
100 C. P. Lamps .....	21	20	20
200 Watt Lamps .....			2
250 C. P. Lamps .....	27	48	56
400 C. P. Lamps .....	309	301	302
600 C. P. Lamps .....	50	50	50
<b>Totals .....</b>	<b>502</b>	<b>521</b>	<b>537</b>

\*Of the 537 Street Lamps, 17 lamps, each 100 C. P., are paid by Railroad Companies and the balance of current and maintenance of all City Street Lamps is paid by the Light Fund.

### RATE REDUCTION IN LIGHT AND POWER

The rates for the usage of light and power were reduced by Ordinance No. 1711, passed Aug. 5, 1929 to the following schedule:

#### NEW LIGHT OR POWER RATES

1st 100 K. W. H. at .....	5c per K. W. H.
Next 300 K. W. H. at .....	4c " "
Next 600 K. W. H. at .....	3c " "
Next 9,000 K. W. H. at .....	2c " "
Balance over 10,000 K. W. H. at .....	1 1-2c " "
Minimum Lighting Charge .....	\$1.00 per month
Minimum Power Charge under 2 H. P. ....	1.00 " "
Minimum Power Charge under 5 H. P. ....	2.00 " "
Minimum Power Charge 5 to 17 H. P. ....	2.00 plus \$.25
per H. P. above 5 H. P.	

Rural Consumption is now available at City Rates, plus 5%.  
Rules are also now available permitting a consumer to purchase current for light and power through his own transformer and same metered as one service.

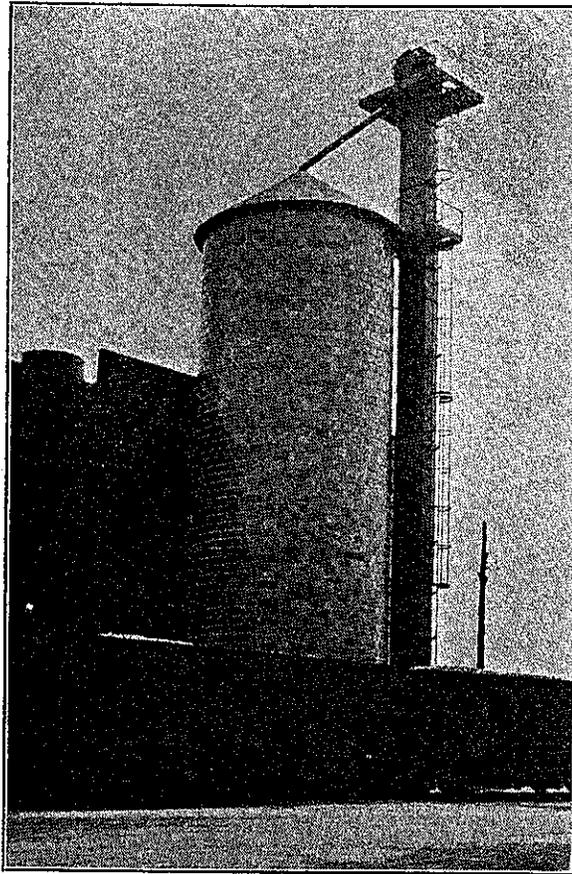
The rate reduction in light and power accounts was calculated to be 16% gross. The new rates compare favorably with rates of other municipalities and they average lower than most private utilities, serving territory far greater in area than Painesville.

### PLANT EXPANSION

Statement Showing Boiler and Turbine Improvements Financed Entirely from Surplus Earnings since 1926.

#### BOILER IMPROVEMENT COSTS

Total Contracts .....	17	
Total Contract Prices of 17 Contracts .....		\$101,419.73
Consulting Fees at 6% .....		6,085.18
<b>Total Boiler Improvement Costs .....</b>		<b>\$107,504.91</b>



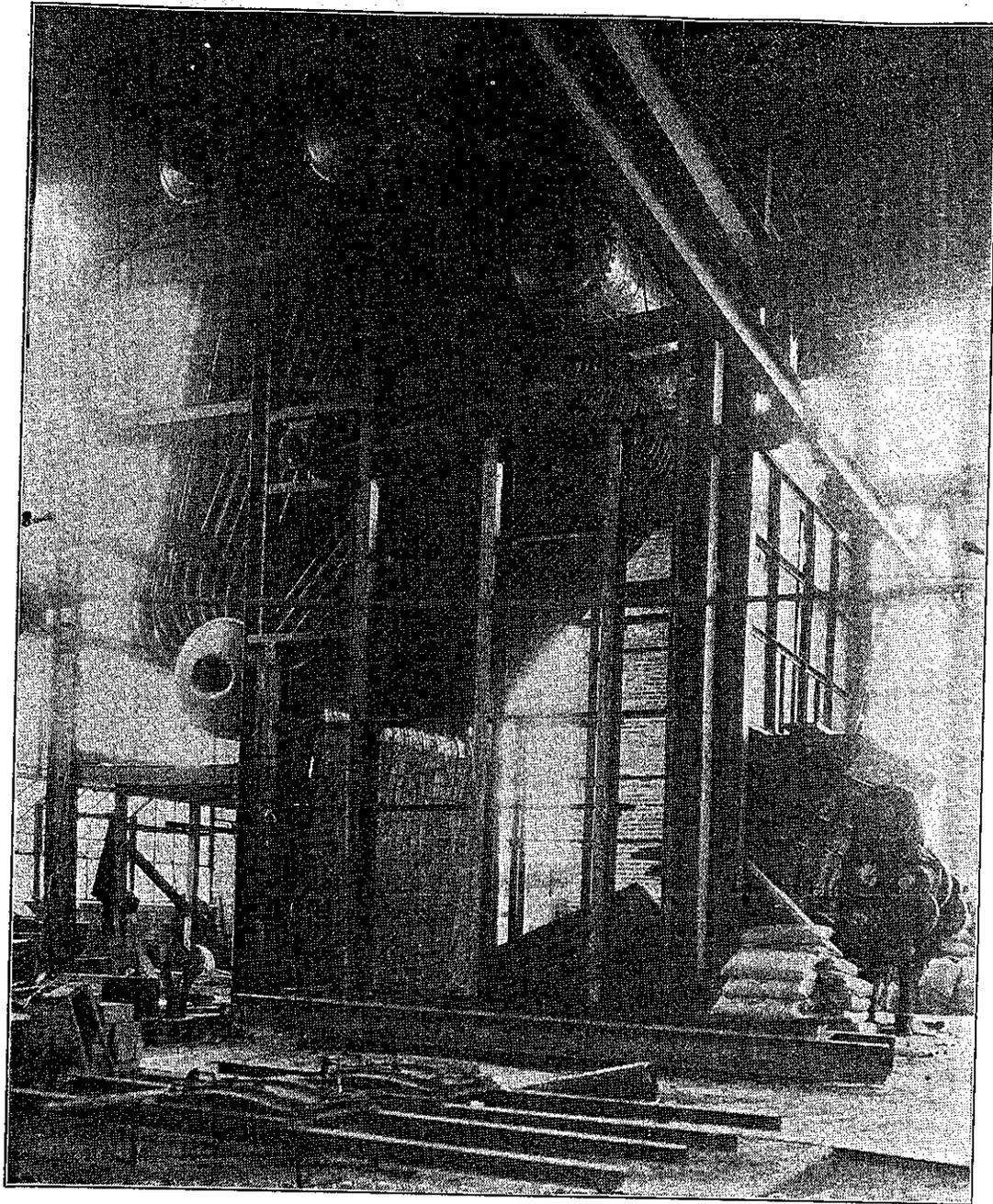
New 450 Ton Silo, Affording from 10 to 15 Days Storage of Coal at Light Plant.

PAYMENTS TO DECEMBER 31, 1929

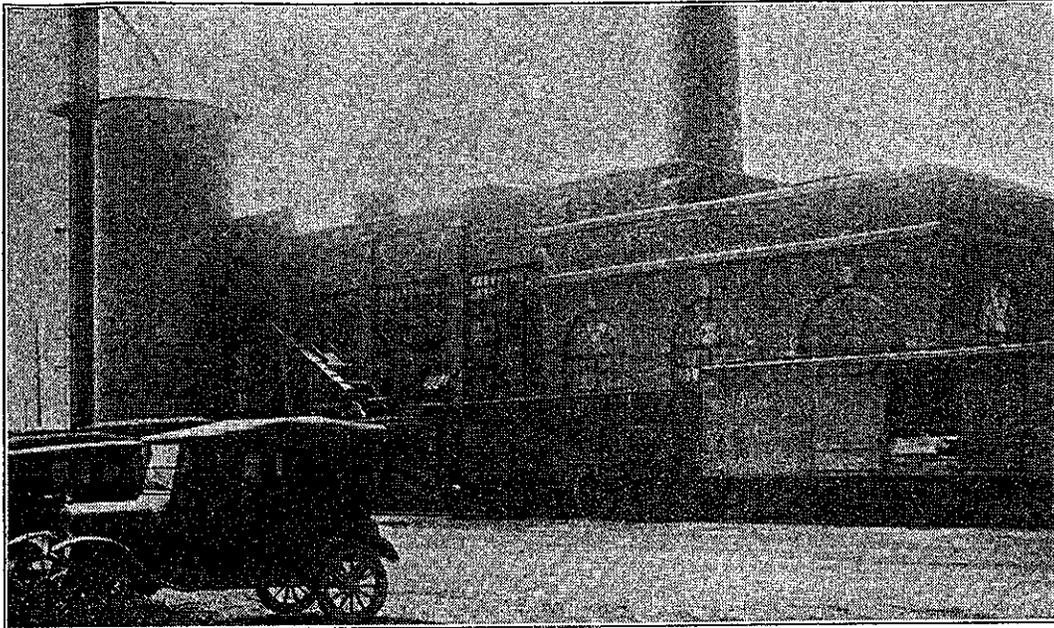
Total Payments to 16 Contractors .....	\$ 75,315.73	
*Partial Payments to Mitzel Company .....	25,104.00	
Note* (Note: Balance of \$1000 still withheld)		
Sub-total Payments to Contractors ....	\$100,419.73	
Partial Payments to Consulting Engr.	6,082.37	
Total Payments to 12-31-29 on Improvement .....		\$106,502.10
Balance still to be Paid on Boiler Improvement .....		\$ 1,002.81

TURBINE IMPROVEMENT COSTS

Total Contracts .....	5	
Total Contract Prices of 5 Contracts .....		\$100,718.00
Consulting Fees not to exceed 6% .....		6,043.08
Total Estimated Turbine Improvement .....		\$106,761.08



Construction of modern new boiler at Light Plant.



Boiler House Addition to Light Plant.

PAYMENTS TO DECEMBER 31, 1929

Partial Payments to 2 Contractors .....	\$ 23,191.50
Partial Payments to Consulting Engineer ....	4,758.33
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Total Payments to 12-31-29 on Improvement	\$ 27,949.83
Balance still to be Paid on Turbine Improvement .....	\$ 78,811.25
Balance still to be Paid on Boiler Improvement .....	\$ 1,002.81
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12-31-29 Total Balance Due .....	\$ 79,814.06

RESOURCES

Cash Balance Light Fund 12-31-29 .....	\$28,047.79
Light Plant Funds Invested .....	44,000.00
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Total Resources 12-31-29 .....	\$ 72,047.79
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Total Amounts to be Raised from Current Operating Surplus 12-31-29 .....	\$ 7,766.27