

CITY OF JAMESTOWN, NEW YORK

Board of Public Utilities 68th ANNUAL REPORT
FOR YEAR ENDED DECEMBER 31, 1958

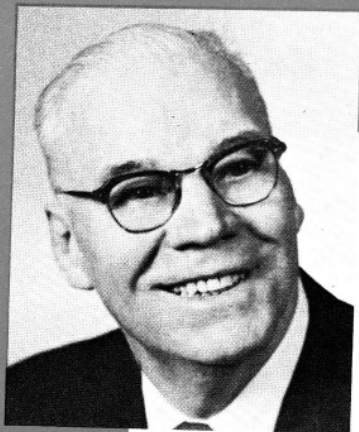
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NEW YORK STATE
MAY 15 1959
GOVERNMENT DOCUMENTS



Largest Municipally Owned Electric System in New York State

BOARD of PUBLIC UTILITIES



Leonard A. Bergman
Supt. of Public Works
City of Jamestown



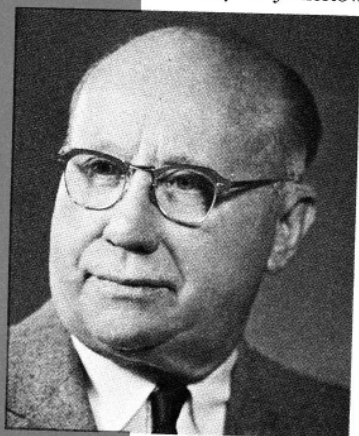
Carl J. Fagerstrom
Chairman of the Board
Foreman, Crescent Tool Co.



Carl F. Sanford
President of the Board
Mayor of Jamestown



Carl G. Pearson
Manager, Printz Co.
Jamestown



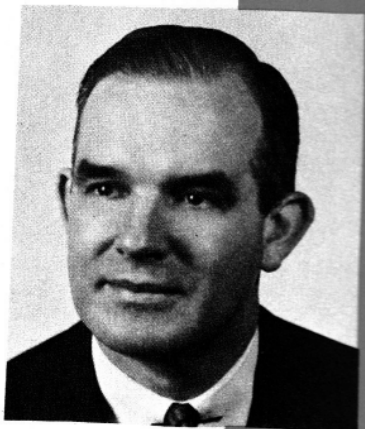
Lloyd A. Cummings
Vice Pres., Marlin-Rockwell Corp.



Melvin O. Swanson
President, Herald Furniture Co.



Malcolm A. Lawson
Member City Council



William A. Taylor
V.P. & Treas., Jamestown Table Co.

BOARD MEMBERSHIP

1958

These citizens

serve

Jamestown, N. Y.

with

no

compensation

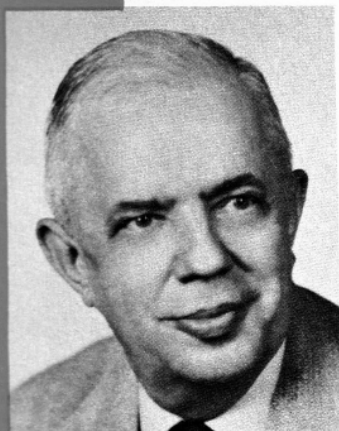
68th Annual Report

CITY of JAMESTOWN, N. Y.

Year Ended December 31, 1958



Merle W. Smedberg
Superintendent of Public Utilities



Leslie A. Price
*Business Manager and
Secretary of the Board*

Executives employed by the board

Message from the president

Ever since its beginning in 1890, the people of the City of Jamestown and the surrounding area have had just cause to be proud of their municipal electric utility system. During most of that period, the people served by the Jamestown utility system have enjoyed excellent service along with the lowest rates in the State of New York. There is no question but what the Jamestown system has had an influence on the rates in territories immediately surrounding the City.

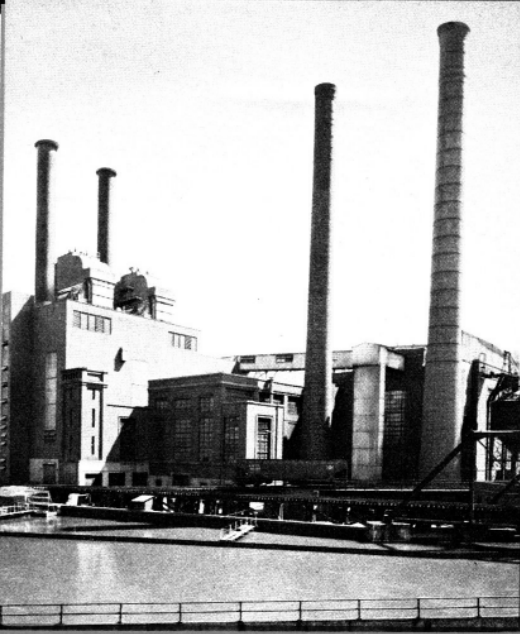
That the Board of Public Utilities recognizes its responsibility to its consumers and to the Jamestown area is evidenced by the fact that we are presently in the process of spending \$1,750,000 to expand the local physical facilities at the generating plant in order to keep abreast of the times. In addition, we have rejuvenated several wells in the Cassadaga Valley in order to have available an adequate supply of artesian well water for which Jamestown has been noted for years. Complete, new pumping facilities have also been installed to assure delivery of this fine water to all of our customers.

It has always been my personal opinion that in order to justify its existence, a public utility should be able to provide at least equal, if not better service, for the same cost, or less, to its consumers. This, I am very proud to say, we are doing.

A handwritten signature in cursive script that reads "Carl Sanford".

President, Board of Public Utilities

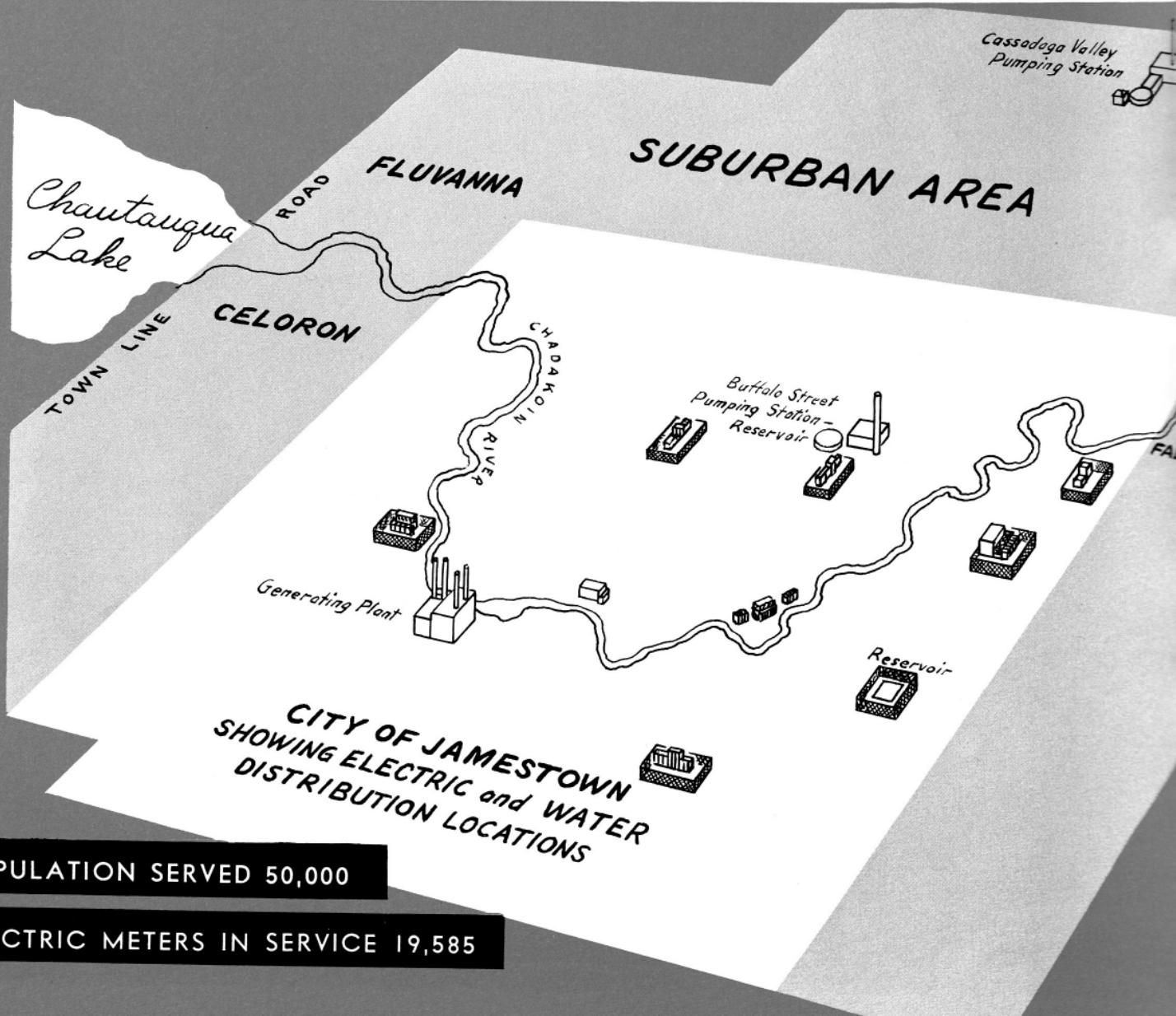
JAMESTOWN MUNICIPAL



← FRONT COVER

Rear view of electric generating plant, Chadakoin River in foreground provides cooling water for condensers. Rail siding permits efficient handling of coal.

CITY OF JAMESTOWN AND SUBURBAN AREA SERVED IN 195



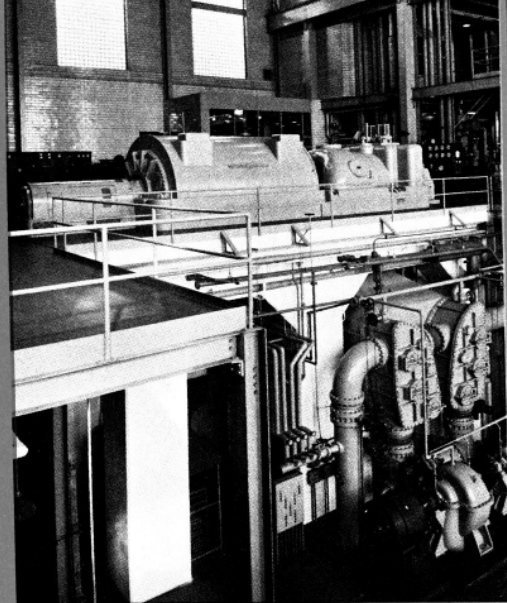
POPULATION SERVED 50,000

ELECTRIC METERS IN SERVICE 19,585

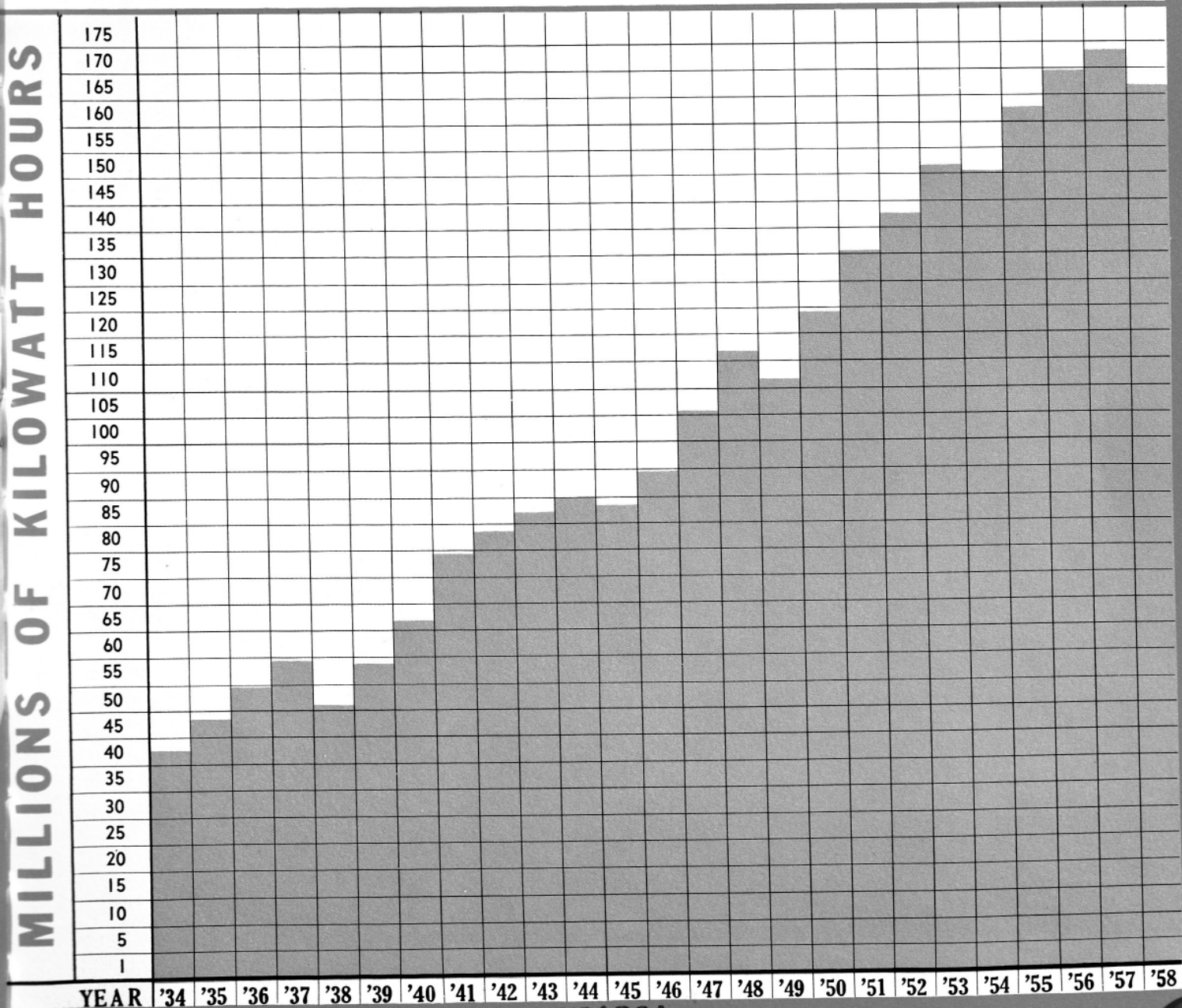
ELECTRIC SYSTEM

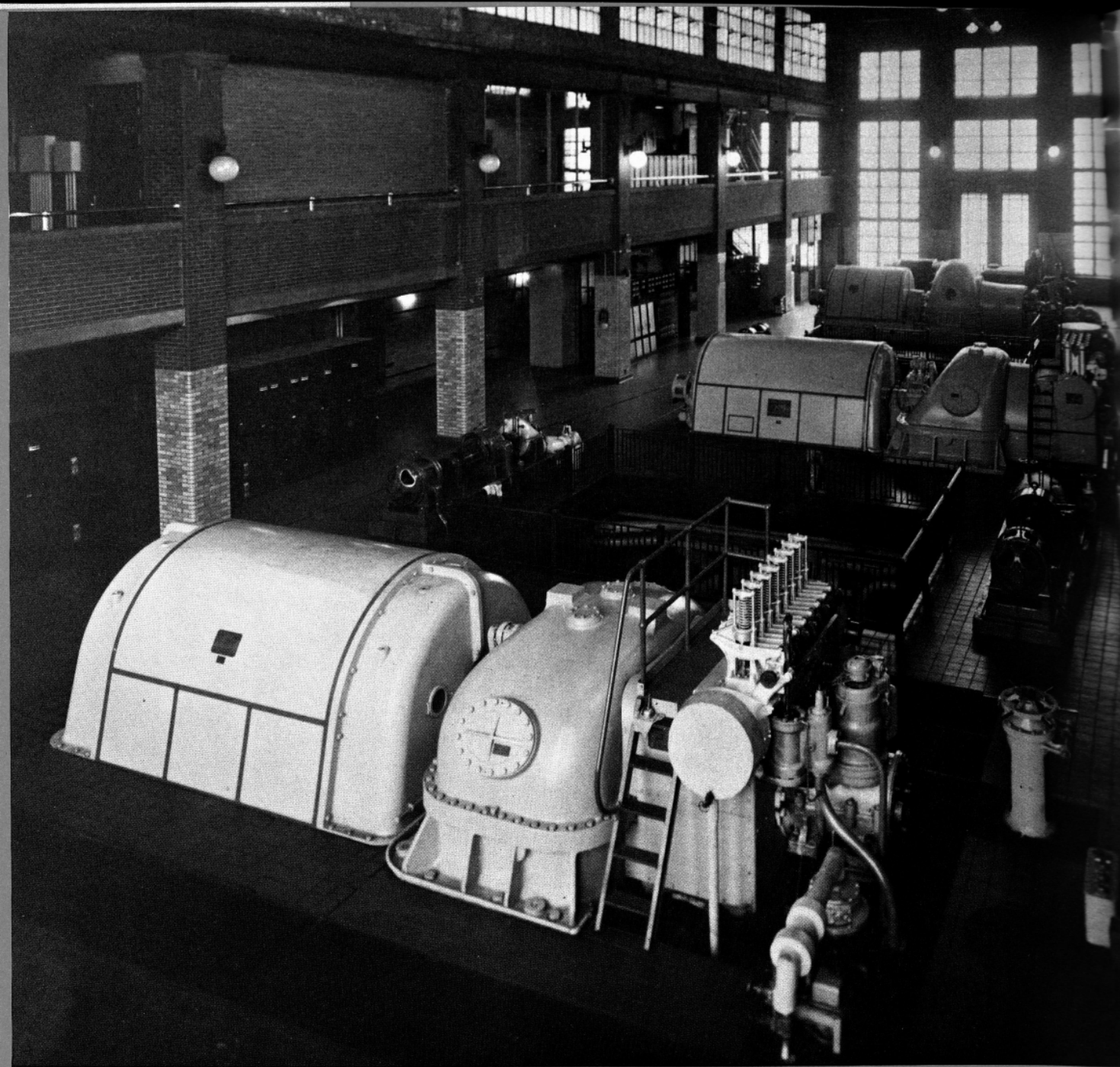
BACK COVER →

Interior view of nine story building, added to main plant in 1950, for installation of 20,000 KW high pressure turbine increasing total capacity to 52,500 KW.



PATTERN OF ELECTRIC SERVICE GROWTH IN PAST 25 YEARS

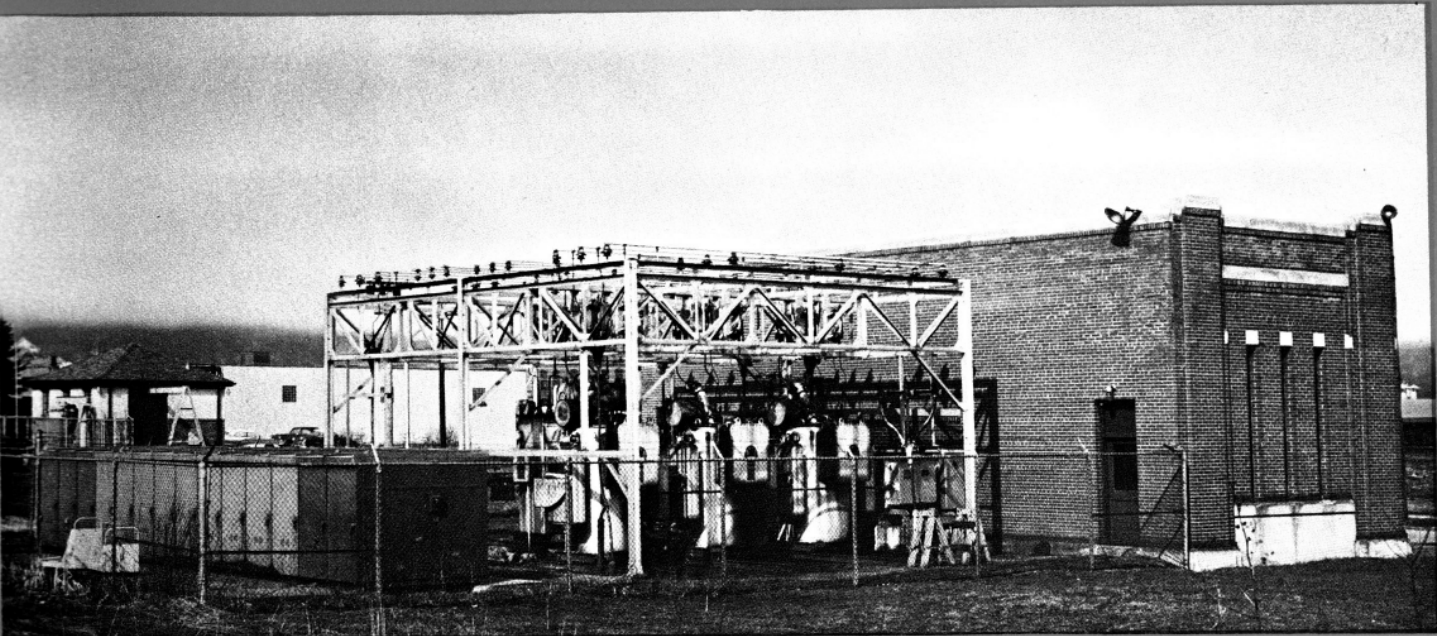




TURBINE ROOM showing 3 operating low pressure turbines, installed during the expansion period from 1924 to 1938, having a capacity of 32,500 K.W.

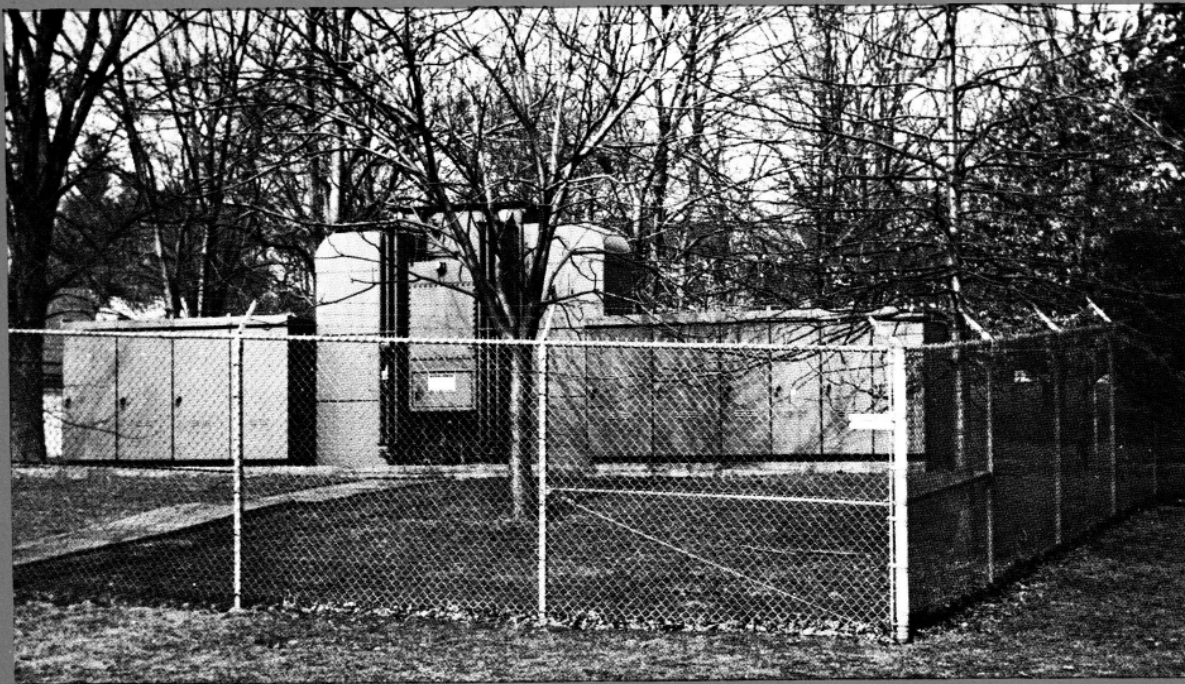
The building is on the site of the original plant erected in 1890.

Complete plant, including new section shown on back cover, has 52,500 K.W. capacity.



The distribution system is fed from the generating plant and through eleven sub-stations.

The substations, with a total capacity of 38,100 K.V.A. are connected by a 13,800 V. underground cable system.



FACTS OF INTEREST ON THE COMBINED WATER and ELECTRIC SYSTEMS

Wages paid in 1958	\$ 831,388.00
Contribution to City of Jamestown in lieu of taxes.....	\$ 370,000.00
Taxes paid for operating property outside the city	\$ 42,540.00
Combined overhead and underground wire and cable	7,036,843 feet
Total number of meters in service	33,432
Miles of water main (if laid end-to-end would almost reach Pittsburgh, Pa.).....	141
Water storage in two reservoirs.....	6,500,000 gallons

BALANCE SHEET

ASSETS

FIXED ASSETS:

	DECEMBER 31 1958	DECEMBER 31 1957
Operating Property—Electric	\$14,037,447.00	\$13,895,796.87
Construction Work in Progress	112,202.11	7,447.03
Non-operating Property	21,356.03	21,356.03

INVESTMENTS:

Miscellaneous Investments	573,881.75	341,925.83
Depreciation Fund—Cash	273.12	273.12
Depreciation Fund—Investments	79,200.00	79,200.00
Depreciation Fund—Interest Accrued	4,812.48	2,861.00

CURRENT ASSETS

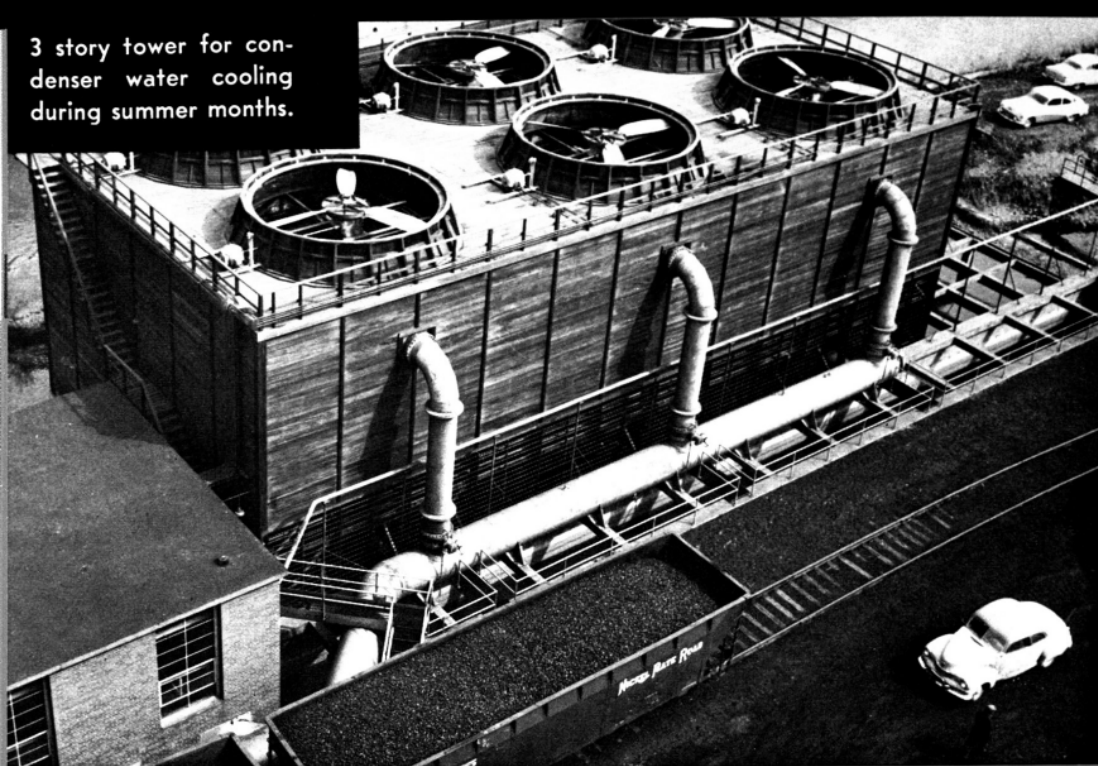
Cash—General	271,157.12	311,868.06
Working Funds	650.00	650.00
Material and Supplies	202,880.03	216,356.54
Receivables from Municipality	165,302.82	14,544.68
Accounts Receivable	168,967.84	166,054.56
Interest Receivable	3,518.68	4,148.44
Prepayments	15,837.65	21,651.02
Employees' Bond Purchase Account	373.00	307.75
Federal Taxes Withheld	6,783.70	5,684.60
Clearing Accounts	1,237.83	550.20
Regulatory Commission Suspense	15,032.45	7,355.41
Miscellaneous Suspense	9,236.60	1,537.79

TOTAL ASSETS	\$15,690,150.21	\$15,099,568.93
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LIABILITIES

LONG TERM DEBT:		DECEMBER 31 1958	DECEMBER 31 1957
Bonds		\$ 1,380,000.00	\$ 1,495,000.00
CURRENT AND ACCRUED LIABILITIES:			
Payables to Municipality		361.37	345.66
Accounts Payable		82,182.14	103,682.38
Customers' Deposits		2,904.50	1,920.78
Interest Accrued		9,297.67	9,988.69
Advance Billings and Payments		209.10	109.10
Miscellaneous Current Liabilities		99,681.60	91,008.26
Employees' Funds, U. S. Savings Bonds		373.00	307.75
Federal Funds, Taxes Withheld from Employees' Wages.....		6,783.70	5,684.60
RESERVES:			
Depreciation Reserve—Operating Property		7,200,426.42	6,828,666.51
Depreciation Reserve—Non-operating Property		14,851.94	14,376.26
Contributions for Extensions		68,440.95	68,384.44
Reserve for Uncollectible Accounts		1,443.66	1,173.88
DEFERRED CREDITS		8,805.65	9,565.85
SURPLUS		6,814,388.51	6,469,354.77
TOTAL LIABILITIES AND SURPLUS		\$15,690,150.21	\$15,099,568.93

3 story tower for condenser water cooling during summer months.



OPERATING STATEMENT

OPERATING INCOME:

	DECEMBER 31 1958
Operating Revenues—Electric	\$2,636,734.21
Other Revenues—Steam Sales and Miscellaneous.....	\$ 17,430.41
Total Operating Revenues	\$2,654,164.62

DECEMBER 31 1957
\$2,689,142.94
\$ 16,474.86
\$2,705,617.80

OPERATING EXPENSES:

Production	\$1,270,697.39
Transmission and Distribution	129,202.67
Street Lighting	18,938.93
Consumers' Accounting and Collecting	73,907.72
Sales Expense	(182.51)
Administrative and General	146,224.36
Depreciation	425,116.31
Taxes on Property Outside the City	17,541.06
Uncollectible Revenues	2,125.21
Payments to the City in Lieu of Taxes	220,000.00
Total Operating Expenses	\$2,303,571.14

\$1,319,122.17
133,583.87
15,999.06
70,455.63
(1,292.00)
112,713.18
419,184.47
15,861.77
1,258.20
220,000.00
\$2,306,886.35

NET ELECTRIC OPERATING INCOME \$ 350,593.48

\$ 398,731.45

OTHER INCOME—Rents and Interest \$ 17,332.77

\$ 8,044.96

GROSS INCOME \$ 367,926.25

\$ 406,776.41

INCOME DEDUCTIONS—Interest and Miscellaneous \$ 24,709.07

\$ 24,786.54

NET INCOME TRANSFERRED TO SURPLUS \$ 343,217.18

\$ 381,989.87

view north and east from
top of generating plant
showing part of the city.



DETAIL OF OPERATING REVENUES

	DECEMBER 31 1958		DECEMBER 31 1957	
	K.W.H. Sold	Revenue	K.W.H. Sold	Revenue
Residential Sales	34,825,267	\$ 829,160.35	33,242,351	\$ 803,229.18
Commercial Sales	36,168,222	702,613.29	35,610,425	692,686.76
Industrial Sales	63,735,120	916,923.99	72,837,268	1,012,703.31
Public St. Lighting—Jamestown	1,767,966	56,767.05	1,782,390	54,558.18
Public St. Lighting—Other	301,380	20,419.05	296,360	20,255.95
Other Sales to City of Jamestown.....	5,017,866	84,840.02	5,178,200	81,841.59
Other Sales to Other Public Authorities.....	1,310,504	26,010.46	1,190,660	23,867.97
TOTAL	143,126,325	\$2,636,734.21	150,137,654	\$2,689,142.94

DETAIL OF MISCELLANEOUS ELECTRIC REVENUES

	1958	1957
Value of Cinders Supplied to City—Department of Public Works	\$ 306.35	\$ 317.97
Value of Steam Supplied to City Departments	16,130.97	15,199.22
Meter Reconnection Charges	702.57	551.00
Temporary Service Charges	198.00	174.00
Other Miscellaneous Revenues	92.52	232.67
TOTAL	\$17,430.41	\$16,474.86

TAXES — DIRECT AND TAX EQUIVALENTS

	1958	1957
Town of Ellicott—State and County Tax	\$ 6,067.54	\$ 5,444.72
Town of Ellicott—School Tax	8,301.91	7,544.82
Villages of Celoron and Falconer—Village Tax	3,171.61	2,872.23
City of Jamestown—Tax Equivalents	220,000.00	220,000.00
TOTAL	\$237,541.06	\$235,861.77

COMPARATIVE STATEMENT

Year	Total Electric Operating Revenues	Net Permanent Improvements and Extensions	Total K.W.H. Generated and Purchased	Average Cost Coal Burned Per Ton	Operation and Maintenance Cost with Depreciation and Interest	Surplus
1920.....	\$ 226,018.00	\$ 77,693.65	6,770,392	\$7.50	\$ 199,162.93	\$ 309,216.51
1930.....	533,475.96	396,909.50	24,536,700	3.73	348,984.46	2,008,302.60
1940.....	981,413.72	15,288.62	66,383,000	3.96	766,053.60	3,258,222.32
1950.....	1,709,419.72	1,105,665.15	124,339,400	7.55	1,504,711.00	5,104,306.45
1954.....	2,399,809.70	315,367.57	150,032,600	7.72	2,164,048.52	5,483,356.18
1955.....	2,514,485.09	419,467.62	162,802,670	7.58	2,228,608.46	5,772,763.38
1956.....	2,620,778.13	220,712.72	168,919,068	7.93	2,317,111.85	6,082,325.34
1957.....	2,705,617.80	289,245.55	172,542,105	8.44	2,331,672.89	6,469,354.77
1958.....	2,654,164.62	141,650.13	166,453,592	8.24	2,328,280.21	6,814,388.51

PRODUCTION STATISTICS

Year Ended December 31, 1958

STATION OUTPUT AND COSTS:

Maximum System Demand—September 4, 1958, 10-11 A.M.	36,848 K.W.
Cost of Generation Including Power Plant Depreciation	\$1,414,733.33
Cost of Electricity Purchased	144,470.10
Purchased Electricity Expense	824.46
Total Production Cost	\$1,560,027.89

FUEL CONSUMED:

Kind of Fuel—Bituminous Coal	
Quantity Used for Generation	84,748.85 Tons
Cost of Coal Consumed	\$698,371.97
Average Cost per Ton Consumed	\$8.2405
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.10

SUMMARY OF PRODUCTION AND SALES:

K.W.H. Generated	154,094,600
K.W.H. Purchased	12,358,992
K.W.H. Generated and Purchased	166,453,592
Less: K.W.H. All Station Uses	11,962,000
K.W.H. Available for Distribution	154,491,592



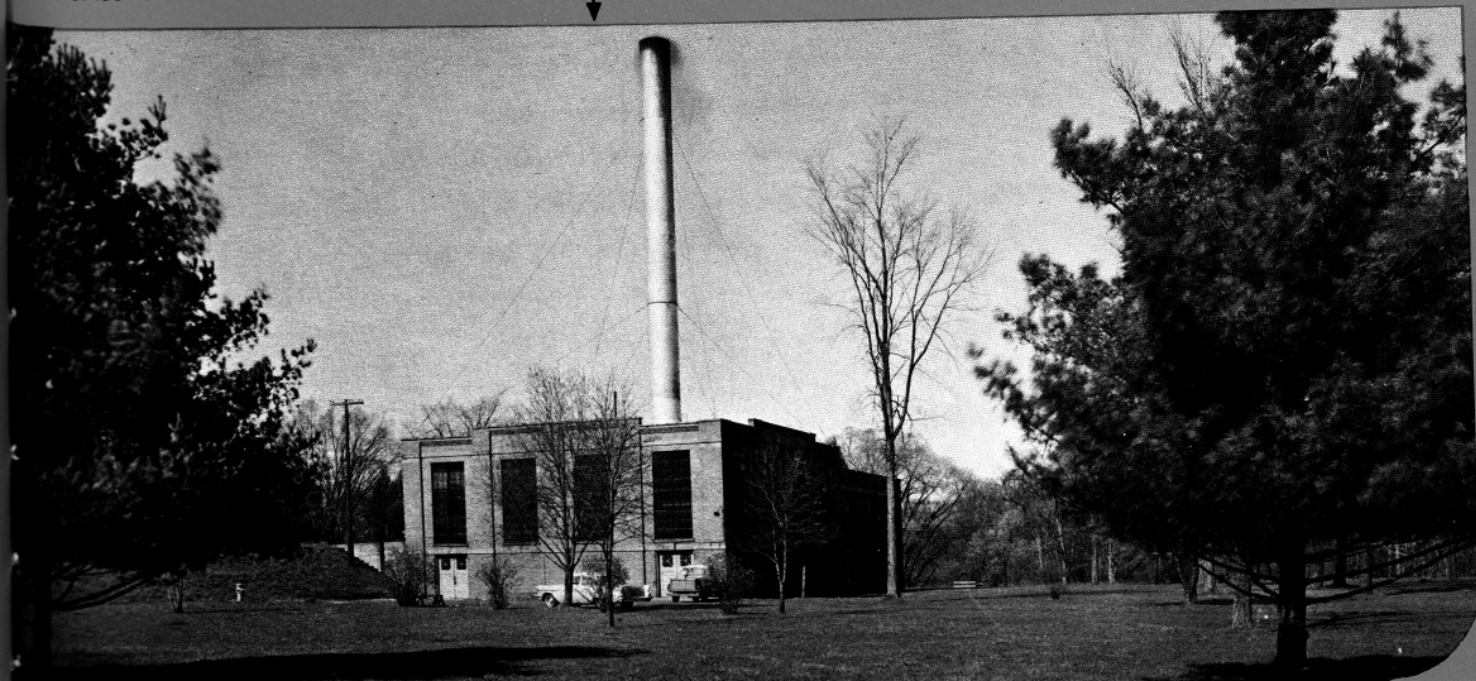
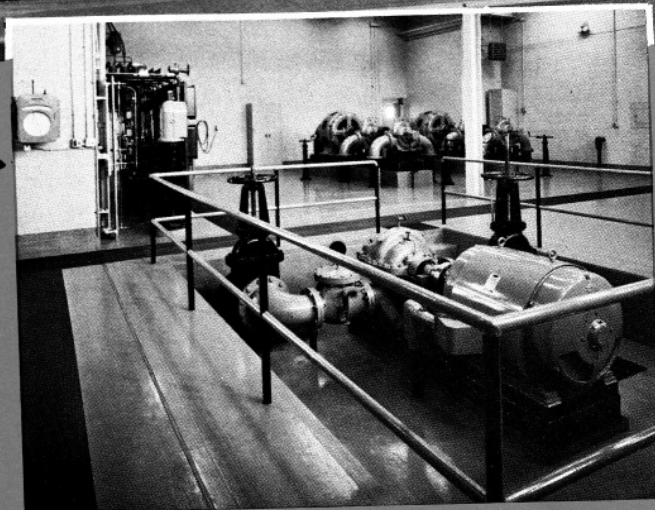
BUFFALO STREET PUMPING STATION ↑

INTERIOR BUFFALO STREET PUMPING STATION →

Buffalo Street Pumping Station was remodeled in 1957—exterior modernized and 6,000,000 Gallon Per Day pump installed.

Cassadaga Valley Pumping Station was put in operation in 1923—water supplied to this station from ten wells and pumped into distribution system.

CASSADAGA VALLEY PUMPING STATION ↓



BALANCE SHEET

ASSETS

FIXED ASSETS:

	DECEMBER 31 1958	DECEMBER 31 1957
Water Plant in Service	\$3,619,383.85	\$3,362,552.10
Other Physical Property	4,087.00	4,087.00
Construction Work in Progress	8,754.94	197,905.19

INVESTMENTS:

Depreciation Fund	1,166,000.00	1,159,339.34
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CURRENT AND ACCRUED ASSETS:

Cash—General	69,924.62	89,916.31
Cash—Water Rebate Fund	9,447.00	4,665.00
Cash—Employees' Savings Bond Purchase Acct.	184.00	137.00
Cash—Federal Taxes Withheld	2,482.20	1,621.60
Cash—Social Security Taxes Withheld	63.73	316.29
Working Funds	83.29	83.29
Accounts Receivable—Consumers	77,444.74	75,894.22
Accounts Receivable—Miscellaneous	3,217.76	1,565.07
Receivables from Municipality	13,361.69	13,238.73
Interest Receivable	14,051.91	32,591.55
Materials and Supplies	62,633.37	57,208.66
Prepayments	7,973.11	7,401.52

TOTAL ASSETS	\$5,059,093.21	\$5,008,522.87
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LIABILITIES

LONG TERM DEBT:

	DECEMBER 31 1958	DECEMBER 31 1957
Water Bonds, Maturity 1960	\$ 20,000.00	\$ 30,000.00

CURRENT AND ACCRUED LIABILITIES:

Payables to Municipality	3,074.16	2,600.70
Accounts Payable	8,895.60	3,364.03
Customers' Deposits	9,521.00	4,729.00
Interest Accrued	175.00	262.50
Wages Accrued	—	5,213.19
Other Current Liabilities	25,497.77	24,907.13
Employees' Funds—U.S. Savings Bonds	184.00	137.00
Federal Funds—Taxes Withheld from Employees' Wages.....	2,482.20	1,621.60
Social Security Funds—Taxes Withheld from Employees' Wages.....	63.73	316.29

RESERVES:

Reserve for Depreciation of Water Plant	1,620,256.45	1,622,064.60
Reserve for Uncollectible Accounts	57.47	57.47

CONTRIBUTIONS IN AID OF CONSTRUCTION

Federal Government Grants Not Subject to Repayment.....	77,897.76	77,897.76
Contributions in Aid of Construction—Other	22,328.17	22,568.17

SURPLUS	3,268,659.90	3,212,783.43
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TOTAL LIABILITIES AND SURPLUS	\$5,059,093.21	\$5,008,522.87
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OPERATING STATEMENT

	DECEMBER 31 1958	DECEMBER 31 1957
OPERATING REVENUES:		
Sales of Water	\$555,182.75	\$571,642.52
Other Water Revenues	6,033.49	6,345.45
TOTAL OPERATING REVENUES	\$561,216.24	\$577,987.97
OPERATION AND MAINTENANCE:		
Source of Supply Expenses	\$ 16,627.94	\$ 20,766.07
Power and Pumping Expenses	136,105.88	132,823.57
Transmission and Distribution Expenses	63,370.92	55,573.09
Customers' Accounting and Collecting Expenses.....	24,444.38	22,627.43
Administrative and General Expenses	38,849.24	28,468.93
Depreciation	73,210.51	66,393.99
Operating Taxes—Outside City	24,999.64	22,247.69
Tax Equivalents—City of Jamestown	150,000.00	150,000.00
TOTAL OPERATING REVENUE DEDUCTIONS.....	\$527,608.51	\$498,900.77
NET OPERATING REVENUES.....	\$ 33,607.73	\$ 79,087.20
OTHER INCOME:		
Interest Revenues	\$ 29,166.87	\$ 27,859.31
GROSS INCOME	\$ 62,774.60	\$106,946.51
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 1,225.00	\$ 1,750.00
Amortization of Premium on U. S. Securities	2,912.26	
Other Non-operating Revenue Deductions	100.00	100.00
TOTAL INCOME DEDUCTIONS.....	\$ 4,237.26	\$ 1,850.00
NET INCOME	\$ 58,537.34	\$105,096.51

DETAIL OF OPERATING REVENUES:

Item	Number of Customers	No. of 1000 Gallons Sold	1958 Revenue
Residential Metered Sales	12,094	743,516	\$271,978.28
Commercial Metered Sales	1,008	332,699	97,107.27
Industrial Metered Sales	123	377,971	120,225.18
Private Fire Protection—Metered	42	4,346	1,434.92
Private Fire Protection—Unmetered	18		2,692.00
Public Fire Protection—City of Jamestown—Hydrant Rental.....	1		30,828.20
Public Fire Protection—Other Hydrant Rental.....	4		7,245.00
Other Sales to Public Authorities.....	22	6,801	2,551.86
Sales to Operating Municipality.....	* 50	70,084	21,120.04
TOTAL SALES OF WATER.....	13,362	1,535,417	\$555,182.75

Customers' Forfeited Discounts.....	\$ 4,542.73
Merchandise and Jobbing	708.90
Rent from Water Property.....	280.00
Service Reconnection Charges.....	108.00
Meter Repair Charges	393.86
TOTAL OTHER WATER REVENUES	\$ 6,033.49
TOTAL OPERATING REVENUES—WATER	\$561,216.24

*Each active service connection.

TAXES—DIRECT and TAX EQUIVALENTS

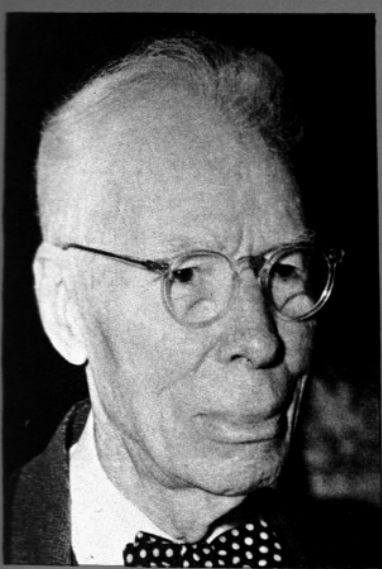
	1958	1957
Town of Ellicott—State and County Tax	\$ 9,786.92	\$ 8,685.36
Town of Ellicott—School Tax	12,134.24	10,790.79
Villages of Celoron and Falconer—Village Tax	3,078.48	2,771.54
City of Jamestown—Tax Equivalent	150,000.00	150,000.00
TOTAL	\$174,999.64	\$172,247.69

COMPARATIVE STATEMENT

Year	Total Water Operating Revenues	Net Permanent Improvements and Extensions	Gallons Pumped	Operation and Maintenance Cost with Depreciation and Interest	Surplus
1920.....	\$149,890.85	\$208,152.99	1,207,682,800	\$103,409.71	\$ 974,435.07
1930.....	296,319.04	164,798.75	1,204,295,000	136,148.31	1,951,980.97
1940.....	221,747.62	(6,714.88)	1,170,089,000	189,323.12	1,565,006.89
1950.....	425,738.75	82,500.33	1,679,684,000	285,995.55	2,395,014.26
1954.....	454,041.61	52,667.34	1,699,164,000	349,566.16	2,888,883.04
1955.....	460,442.22	118,478.75	1,837,989,000	359,781.64	3,011,905.16
1956.....	460,447.96	118,812.98	1,799,652,000	387,333.61	3,107,686.92
1957.....	577,987.97	110,113.98	1,908,203,000	500,750.77	3,212,783.43
1958.....	561,216.24	256,831.75	1,833,810,000	531,845.77	3,268,659.90

PRODUCTION STATISTICS

	DECEMBER 31 1958	DECEMBER 31 1957
Population Supplied	50,000	50,000
Total Pumpage for Year—Gallons	1,833,810,000	1,908,203,000
Maximum Daily Consumption	6,186,000	7,167,000
Average Daily Pumpage—Gallons	5,024,137	5,227,953
Gallons per Day to Each Inhabitant on Total Pumpage.....	100.5	104.54
Water Supply—Wells in Use	19	19
Area of Water Shed—Square Miles	140	140
Coal Consumed for Pumping—Source of Supply	5,958,400 lbs.	6,000,300 lbs.
Number of Gallons Pumped per Pound of Coal—		
Primary Station	307.77	337.28
Number of Gallons Pumped per K.W.H. Electricity—		
Booster Station	987.42	900.83
Storage Reservoirs—Total Capacity in Gallons	6,500,000	6,500,000
Active Services—End of Year	12,941	12,862
Hydrants in Service—End of Year.....	1,041	1,038
Meters in Service—End of Year.....	13,847	13,761
Percentage of Active Services—Metered	99.8%	99.8%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service—End of Year.....	140.145	139.34
Miles W. I. & Copper Mains in Service—End of Year.....	18.93	18.82



SAMUEL A. CARLSON

Mayor Emeritus, City of Jamestown, N. Y.

Samuel A. Carlson was guided through a public career with this statement by Rufus Choate, "The final end of government is not to exert restrictions, but to do good."

Samuel A. Carlson exemplified this statement throughout his lifetime—an indefatigable worker for and the "father" of Jamestown Public Utilities.

JAMESTOWN MUNICIPAL UTILITIES

BRIEF HISTORY

- 1890—Electric plant constructed under jurisdiction of City Council.
- 1891—Street Light Service established to 140 street lamps.
- 1895—Plant commenced supplying service to commercial customers.
- 1903—Water-works purchased from private interests for \$600,000.
- 1913—English Hill Reservoir of five million gallon capacity constructed.
- 1923—New water supply system in Cassadaga Valley placed in operation.
- 1923—Board of Public Utilities created by Chapter 665, Laws of New York, 1923, to assume control and jurisdiction of municipal utility systems.
- 1923—Levant Pumping Station and water supply removed from service.
- 1925—Buffalo Street Reservoir of one and one-half million gallons capacity constructed.
- 1926—Motor-driven pumps installed in Buffalo Street Pumping Station.
- 1928—Ornamental street lighting system in central section of city completed.
- 1931—Electric system of Niagara, Lockport, and Ontario Power Company acquired by purchase.
- 1933—Harrison Street and Allen Street Substations completed.
- 1934—Warehouse and service building for use of electric utility completed.
- 1938—Power electrical generating capacity increased to 38,500 kilowatts by installation of a 15,000 K.W. turbo-generator. Electric rates reduced.
- 1941—3,000 k.v.a. unit type substation installed at 30 Jones & Gifford Avenue, Jamestown.
- 1942—3,000 k.v.a. unit type substation installed at 254 Harrison St., Jamestown. Contract entered into for sale of water with West Ellicott Water District No. 1.
- 1943—Electric service to railways for car propulsion discontinued September 1, 1943.
- 1945—Contracted for 2-60,000 lb. per hr. boilers for Electric Plant. 196-15 k.v.a. capacitors installed.
- 1947—Supplemental system of seven water well units equipped with individual electrically-driven deep well pumps completed. 20,000 kilowatt expansion to Steele Street Power Plant initiated.
- 1948—Properties at 110-126½ Steele Street acquired for power plant expansion purposes. Supplementary water well system approved by Water Power and Control Commission. Schedule of increased water rates made effective October 1, 1948.
- 1950—Replaced pressure parts of three boilers at Cassadaga Valley Pumping Station.
- 1951—20,000 K.W. extension to Steele Street Station, three new substations, and connecting underground conduit and transmission system completed and placed in operation. 6 m.g.d. turbine driven pump installed to replace 5 m.g.d. pump at Cassadaga Valley Pumping Station.
- 1953—Schedule of increased electric rates made effective January 1, 1953.
- 1954—New substations at New York Avenue and Dow Street, Falconer, complete with transmission lines to new switchgear at Allen Street Substation.
- 1955—New system of protective relaying inaugurated.
- 1956—Direct current eliminated. Newland Avenue Substation completed. Well No. 8 added to water system. Schedule of increased water rates made effective September 1, 1956.
- 1957—Harrison Street Substation No. 3 placed in operation. Replaced 6 m.g.d. steam driven pump with 6 m.g.d. electric driven pump and rehabilitated the structure at Buffalo Street Pumping Station.

