

BOARD OF PUBLIC UTILITIES

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1967

GOVERNMENT DOCUMENTS

ANNUAL REPORT

FOR THE YEAR ENDING
DECEMBER 31, 1967



CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT 1967

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK



Board Membership — December 31, 1967

William A. Taylor, Chairman

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Merle W. Smedberg

Superintendent of Public Utilities



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JAMESTOWN MUNICIPAL UTILITIES BRIEF HISTORICAL SKETCH

- 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—Waterworks purchased from private interests for \$600,000.
- 1913—English Hill Reservoir of five million gallon capacity constructed.
- 1923—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 1½ 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 Ave.
- 1942—3,000 k.v.a. unit type substation installed at 254 Harrison St.
- 1947—Supplemental system of seven 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.
- 1951—20,000 K.W. extension to Steele Street Station, three 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.
- 1954—Substations at New York Avenue and Dow Street, Falconer, installed, complete with transmission lines to new switchgear at Allen Street Substation.
- 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.
- 1958—Two-way radio equipment installed for use of both the Electric and Water Divisions.
- 1960—No. 11 boiler placed in service at the power plant.
- 1961—6 m.g.d. electric pump put into operation at Cassadaga Valley Pumping Station.
- 1962—Huxley Street and English Street Substations completed.
- 1963—Fluoridation of City water supply started.
- 1964—New ornamental street lighting installed in downtown area. 10,000 k.v.a. transformer added to Dow Street Substation.
- 1966—Five million gallon addition to English Hill Reservoir completed. Carter Street, Falconer, substation completed.
- 1967—Expansion of electric and steam generating facilities and addition to water supply system in progress. Schedule of increased water rates made effective July 1, 1967.

**BOARD OF PUBLIC UTILITIES
CITY OF
JAMESTOWN, NEW YORK**

**DIVISION OF
WATER, LIGHT AND POWER**

February 7, 1968

To the Board of Public Utilities
City of Jamestown
Jamestown, New York

Gentlemen:

The annual reports of the Jamestown municipal water and electric utility systems for the year 1967 are submitted herewith as required by Section 129 of the Charter of the City of Jamestown.

Respectfully submitted,

MERLE W. SMEDBERG, Superintendent
LESLIE A. PRICE, Secretary

Jamestown, New York

ANNUAL REPORT

of the

MUNICIPAL ELECTRIC SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1967**

MUNICIPAL ELECTRIC SYSTEM

BALANCE SHEET OF DECEMBER 31, 1967-1966

ASSETS		
Fixed Assets:	1967	1966
Operating Property — Electric	\$18,498,162.34	\$18,272,902.31
Construction Work in Progress	4,163,577.05	930,080.59
Non-operating Property	21,356.03	21,356.03
Investments:		
Miscellaneous Investments	972,845.21	500,000.00
Depreciation Reserve Fund—Cash	15,931.84	54,822.18
Depreciation Reserve Fund— Investments	687,301.84	1,183,855.93
Depreciation Reserve Fund— Interest Accrued	10,131.64	8,757.11
Current Assets:		
Cash—General	251,949.47	210,740.63
Working Funds	680.00	680.00
Material and Supplies	257,738.08	259,435.94
Receivables from Municipality	21,922.12	28,508.68
Accounts Receivable	278,035.00	250,312.86
Interest Accrued	4,172.66	3,109.73
Prepayments	26,179.51	31,641.45
Miscellaneous Suspense	(17,423.36)	(17,423.36)
TOTAL ASSETS	<u>\$25,192,559.43</u>	<u>\$21,738,780.08</u>
LIABILITIES		
Long Term Debt:		
Bonds	\$ 345,000.00	\$ 460,000.00
Current and Accrued Liabilities:		
Payables to Municipality	455.17	155.36
Accounts Payable	219,560.34	229,535.52
Notes Payable	2,500,000.00	—
Customers' Deposits	7,992.89	7,287.55
Interest Accrued	33,778.38	3,373.76
Advance Billings and Payments	146.60	109.10
Miscellaneous Current Liabilities	184,409.31	173,773.50
Reserves:		
Depreciation Reserve— Operating Property	11,339,694.67	10,798,782.29
Non-operating Property	19,133.06	18,657.38
Contributions for Extensions	179,193.78	179,193.78
Reserve for Uncollectible Accounts	6,548.65	6,275.08
Deferred Credits	1,963.85	2,724.05
Surplus	10,354,682.73	9,858,912.71
TOTAL LIABILITIES AND SURPLUS	<u>\$25,192,559.43</u>	<u>\$21,738,780.08</u>

Parentheses denote red figure.

MUNICIPAL ELECTRIC SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1967-1966

	1967	1966
OPERATING INCOME:		
Operating Revenues—Electric	\$3,699,639.39	\$3,558,995.25
Other Revenues:		
Steam Sales	\$ 18,000.86	\$ 18,651.53
Miscellaneous	12,070.02	11,437.02
Total Other Electric Revenues	\$ 30,070.88	\$ 30,088.55
Total Operating Revenues	\$3,729,710.27	\$3,589,083.80
OPERATING EXPENSES:		
Production	\$1,832,521.68	\$1,766,853.41
Transmission and Distribution	145,395.73	150,289.29
Street Lighting	20,632.05	19,986.97
Consumers' Accounting and Collecting ..	109,961.93	102,178.02
Sales Expense	464.96	92.28
Administrative and General	252,408.64	217,338.90
Depreciation	535,878.00	526,081.54
Taxes on Property Outside the City	36,357.64	29,022.31
Uncollectible Revenues	1,292.04	1,205.00
Contributions to City in Lieu of Taxes	331,000.00	331,000.00
Total Operating Expenses	\$3,265,912.67	\$3,144,047.72
NET ELECTRIC OPERATING INCOME	\$ 463,797.60	\$ 445,036.08
OTHER INCOME:		
Non-operating Rents	\$ 1,359.00	\$ 1,200.00
Interest	63,241.73	99,379.79
Miscellaneous Non-operating Revenues ..	82.00	—
Total Other Income	\$ 64,682.73	\$ 100,579.79
GROSS INCOME	\$ 528,480.33	\$ 545,615.87
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 6,593.33	\$ 8,433.33
Other Income Deductions	31,394.93	(19.69)
Total Income Deductions	\$ 37,988.26	\$ 8,413.64
NET INCOME TRANSFERRED TO SURPLUS. \$	490,492.07	\$ 537,202.23

Parentheses denote red figure.

SURPLUS ACCOUNT

Surplus as at January 1, 1967	\$ 9,858,912.71
Add:	
Net Income—1967	490,492.07
Miscellaneous Contributions—City (Net)	5,277.95
Surplus as at December 31, 1967	<u>\$10,354,682.73</u>

MUNICIPAL ELECTRIC SYSTEM

OPERATING REVENUES — ELECTRIC

For the Years Ended December 31, 1967-1966

	1967		1966	
	K.W.H. Sold	Revenue	K.W.H. Sold	Revenue
Residential Sales	54,206,955	\$1,138,487.79	50,819,340	\$1,085,318.96
Commercial Sales	56,340,234	1,003,918.89	54,475,272	967,092.21
Industrial Sales	100,628,492	1,255,527.53	99,275,522	1,224,296.80
Public St. Lighting— Jamestown	2,272,218	76,506.51	2,166,215	72,886.34
Public St. Lighting— Other	495,695	28,411.20	435,960	27,118.44
Other Sales to City of Jamestown	10,200,336	130,723.05	9,630,540	121,964.74
Other Sales to Other Public Authorities	3,968,908	66,064.42	3,608,592	60,317.76
TOTAL	<u>228,112,838</u>	<u>\$3,699,639.39</u>	<u>220,411,441</u>	<u>\$3,558,995.25</u>

MISCELLANEOUS ELECTRIC REVENUES

	1967	1966
Value of Cinders Supplied to City— Department of Public Works	\$ 402.52	\$ 375.99
Value of Steam Supplied to City Departments ..	18,000.86	18,651.53
Meter Reconnection Charges	840.00	1,152.00
Temporary Service Charges	69.00	57.00
Pole Attachment Revenues	10,522.98	9,638.41
Other Miscellaneous Revenues	235.52	213.62
TOTAL	<u>\$30,070.88</u>	<u>\$30,088.55</u>

TAXES—DIRECT AND TAX EQUIVALENTS

	1967	1966
Town of Ellicott—State and County Tax	\$ 11,598.75	\$ 7,981.14
Town of Ellicott—School Tax	17,416.89	14,916.60
Villages of Celoron and Falconer—Village Tax	7,342.00	6,124.57
City of Jamestown—Contributions in Lieu of Taxes	331,000.00	331,000.00
TOTAL	<u>\$367,357.64</u>	<u>\$360,022.31</u>
Percentage to Electric Service Revenues	<u>9.93</u>	<u>10.12</u>

MUNICIPAL ELECTRIC SYSTEM

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
1955	2,514,485.09	419,467.62	162,802,670	7.58	2,228,608.46	5,772,763.38
1960	2,798,846.30	2,029,578.60	183,666,148	7.53	2,466,969.44	7,605,317.88
1965	3,390,215.66	118,437.81	235,386,178	7.62	3,078,325.11	9,314,933.94
1966	3,589,083.80	385,355.70	250,713,053	7.78	3,152,461.36	9,858,912.71
1967	3,729,710.27	225,260.03	259,734,780	7.96	3,303,900.93	10,354,682.73

BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Electric System
December 31, 1967

Date of Issue	Maturity	Interest Rate Per Year	Par Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
June 1, 1891	1901	4%	\$ 30,000	\$ 30,000	\$.....	\$.....
Dec. 1, 1893	1903	4%	32,000	32,000	.....	.....
June 1, 1901	1931	4%	30,000	30,000	.....	.....
Dec. 17, 1903	1932	4%	32,000	32,000	.....	.....
June 1, 1913	1933	4.6%	40,000	40,000	.....	.....
May 1, 1920	1945	5.5%	250,000	250,000	.....	.....
Aug. 1, 1950	1970	1.6%	2,300,000	1,955,000	345,000	6,593.33
			<u>\$2,714,000</u>	<u>\$2,369,000</u>	<u>\$345,000</u>	<u>\$6,593.33</u>

MUNICIPAL ELECTRIC SYSTEM

PRODUCTION STATISTICS

Year Ended December 31, 1967

Station Output and Costs:

Maximum System Demand—December 18, 11-12 Noon	51,026 K.W.
Cost of Generation Including Power Plant Depreciation	\$1,832,745.71
Cost of Electricity Purchased	327,735.54
Purchased Electricity Expense	695.95
Total Production Cost	<u>\$2,161,177.20</u>

Fuel Consumed:

Kind of Fuel—Bituminous Coal	
Quantity Used for Generation	127,249.95 T.
Cost of Coal Consumed	\$1,012,784.53
Average Cost per Ton Consumed	\$7.96
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.09

Summary of Production and Sales:

K.W.H. Generated	234,254,300
K.W.H. Purchased	<u>25,480,480</u>
K.W.H. Generated and Purchased	259,734,780
Less: K.W.H. All Station Uses	<u>16,898,100</u>
K.W.H. Available for Distribution	<u>242,836,680</u>

	Customers End of Year	K.W.H.
Disposal of Energy:		
Residential Service	15,961	54,206,955
Commercial Service	3,095	56,340,234
Industrial Service	156	100,628,492
Street Lighting—Other Municipalities	5	495,695
Other Sales to Other Public Authorities	61	3,968,908
Used by City of Jamestown:		
Municipal Street Lighting	1	2,272,218
Other Municipal Purposes	104	10,200,336
Within Electric Department		<u>399,902</u>
Total Supplied and Used	19,383	228,512,740
Lost and Unaccounted For		<u>14,323,940</u>
Total to Balance		<u>242,836,680</u>

Per Cent of Lost and Unaccounted For	5.9%
1967 Average Units Used per Residential Customer	3,396 K.W.H.
1967 Average Annual Residential Bill	\$71.33
1967 Residential Revenue per K.W.H.	2.10¢
Population of Localities Served—1960 Federal Census	51,650

ANNUAL REPORT

of the

MUNICIPAL WATER SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1967**

MUNICIPAL WATER SYSTEM

BALANCE SHEET OF DECEMBER 31, 1967-66

ASSETS		
Fixed Assets:	1967	1966
Water Plant in Service	\$4,778,813.51	\$4,599,992.82
Other Physical Property	3,847.05	3,847.05
Construction Work in Progress	755,533.09	613,214.81
Investments:		
Depreciation Fund	450,000.00	673,322.92
Current and Accrued Assets:		
Cash—General	85,980.43	25,568.25
Cash—Water Rebate Fund	22,865.78	10,444.00
Working Funds	83.29	83.29
Accounts Receivable—Consumers	123,122.86	96,934.11
Accounts Receivable—Miscellaneous	938.06	7,761.81
Receivables from Municipality	14,207.94	11,988.71
Interest Receivable	1,198.94	4,968.31
Material and Supplies	104,960.35	104,457.98
Prepayments	11,941.09	11,822.73
TOTAL ASSETS	<u>\$6,353,492.39</u>	<u>\$6,164,406.79</u>

LIABILITIES		
Current and Accrued Liabilities:		
Payables to Municipality	\$ 6,023.19	\$ 5,596.80
Accounts Payable	9,043.15	8,003.03
Customers' Deposits	22,925.78	10,535.00
Interest Accrued	2.70	.28
Wages Accrued	7,725.98	6,869.45
Other Current Liabilities	49,189.28	45,610.03
Reserves:		
Reserve for Depreciation of Water Plant	2,107,047.66	2,047,626.22
Reserve for Uncollectible Accounts	69.85	69.85
Contributions in Aid of Construction:		
Federal Government Grants		
Not Subject to Repayment	80,142.93	80,142.93
Contributions in Aid of Construction—		
Other	21,102.54	21,102.54
Surplus	4,050,219.33	3,938,850.66
TOTAL LIABILITIES AND SURPLUS	<u>\$6,353,492.39</u>	<u>\$6,164,406.79</u>

MUNICIPAL WATER SYSTEM

OPERATING STATEMENT FOR THE YEARS ENDED

DECEMBER 31, 1967-1966

	1967	1966
OPERATING REVENUES:		
Sales of Water	\$749,693.20	\$651,599.67
Other Water Revenues	6,910.40	12,230.44
TOTAL OPERATING REVENUES	<u>\$756,603.60</u>	<u>\$663,830.11</u>
OPERATION AND MAINTENANCE:		
Source of Supply Expenses	\$ 19,702.94	\$ 19,159.81
Power and Pumping Expenses	149,166.80	145,637.71
Transmission and Distribution Expenses	115,116.20	96,320.62
Customers' Accounting & Collecting Expenses	34,388.93	30,572.22
Administrative and General Expenses	76,841.94	69,489.03
Depreciation	85,160.45	81,603.18
Operating Taxes—Outside City	35,960.46	32,626.00
Contributions to the City in Lieu of Taxes	155,000.00	155,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	<u>\$671,337.72</u>	<u>\$630,408.57</u>
NET OPERATING REVENUES	<u>\$ 85,265.88</u>	<u>\$ 33,421.54</u>
OTHER INCOME:		
Revenues from Depreciation Fund	\$ 26,105.28	\$ 36,787.76
TOTAL OTHER INCOME	<u>\$ 26,105.28</u>	<u>\$ 36,787.76</u>
GROSS INCOME	<u>\$111,371.16</u>	<u>\$ 70,209.30</u>
INCOME DEDUCTIONS:		
Interest on Consumers' Deposits	\$ 2.49	\$ 1.78
TOTAL INCOME DEDUCTIONS	<u>\$ 2.49</u>	<u>\$ 1.78</u>
NET INCOME	<u>\$111,368.67</u>	<u>\$ 70,207.52</u>

SURPLUS

Surplus as at January 1, 1967	\$3,938,850.66
Add: Net Income—December 31, 1967	111,368.67
Surplus as at December 31, 1967	<u>\$4,050,219.33</u>

MUNICIPAL WATER SYSTEM

OPERATING REVENUES

Year Ended December 31, 1967

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,458	854,390	\$358,695.01
Commercial Metered Sales	1,032	323,909	132,792.73
Commercial Flat Rate Sales	1		45.00
Industrial Metered Sales	115	515,687	188,975.83
Private Fire Protection—Metered	45	4,922	1,837.40
Private Fire Protection—Unmetered —	6		1,578.00
Public Fire Protection—City of Jamestown—Hydrant Rental	1		32,781.48
Public Fire Protection—Other Hydrant Rental	4		7,567.38
Other Sales to Public Authorities	32	11,936	5,058.23
Sales to Operating Municipality	74	55,265	20,362.14
TOTAL SALES OF WATER	<u>13,768</u>	<u>1,766,109</u>	<u>\$749,693.20</u>
Customers Forfeited Discounts			\$ 5,796.80
Merchandise and Jobbing			166.31
Service Reconnection Charges			93.00
Meter Repair Charges			854.29
TOTAL OTHER WATER REVENUES			<u>\$ 6,910.40</u>
TOTAL OPERATING REVENUES—WATER			<u>\$756,603.60</u>

*Each active service connection.

TAXES — DIRECT AND TAX EQUIVALENTS

1967-1966

	1967	1966
Town of Ellicott—State and County Tax	\$ 13,791.49	\$ 11,362.65
Town of Ellicott—School Tax	18,190.33	17,726.09
Villages of Celoron and Falconer—Village Tax	3,978.64	3,537.26
City of Jamestown—Contributions in Lieu of Taxes	155,000.00	155,000.00
TOTAL	<u>\$190,960.46</u>	<u>\$187,626.00</u>
Percentage to Total Operating Revenues	<u>25.24%</u>	<u>28.26%</u>

MUNICIPAL WATER SYSTEM COMPARATIVE STATEMENT

Year	Total Water Operating Revenues	Net Permanent Improvements and Extensions	Gallons Pumped	Operation and Maintenance Cost with Deprecia- tion 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
1955	460,442.22	118,478.75	1,837,989,000	359,781.64	3,011,905.16
1960	590,712.09	98,256.13	1,904,407,000	549,805.88	3,437,992.19
1965	649,787.85	136,508.00	2,164,558,000	621,902.98	3,868,643.14
1966	663,830.11	140,857.19	2,243,660,000	630,410.35	3,938,850.66
1967	756,603.60	178,820.69	2,207,120,000	671,340.21	4,050,219.33

BONDED INDEBTEDNESS General City Bonds Issued for Purposes of the Water System

December 31, 1967

Date of Issue	Maturity	Interest Rate Per Year	Par Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
Mar. 9, 1903	1943	4%	\$ 300,000	\$ 300,000	\$	\$
Mar. 9, 1903	1923	4%	300,000	300,000	.....	.....
Apr. 19, 1913	1933	4.5%	150,000	150,000	.....	.....
May 1, 1920	1960	5.25%	400,000	400,000	.....	.....
Feb. 1, 1924	1944	4.35%	280,000	280,000	.....	.....
TOTAL	.....	.....	\$1,430,000	\$1,430,000	\$	\$

MUNICIPAL WATER SYSTEM

SUMMARY OF STATISTICS

Population Supplied—	1967	1966
1960 Federal Census	49,400	49,400
Total Pumpage for Year—Gallons	2,207,120,000	2,243,660,000
Maximum Daily Consumption	8,440,000	7,955,000
Average Daily Pumpage—Gallons	6,046,904	6,147,014
Gallons per Day to Each Inhabitant on Total Pumpage	122.41	124.43
Water Supply—Wells in Use	19	19
Area of Water Shed—Square Miles	140	140
Coal Consumed for Pumping— Source of Supply	1,031,800 lbs.	835,100 lbs.
Number of Gallons Pumped per Pound of Coal—Primary Station	324.37	329.96
Number of Gallons Pumped per K.W.H. Electricity—Booster Station	907.66	942.43
Storage Reservoirs— Total Capacity in Gallons	11,500,000	11,500,000
Active Services—End of Year	13,629	13,582
Hydrants in Service—End of Year	1,109	1,102
Meters in Service—End of Year	14,195	14,164
Percentage of Active Services—Metered	99.89%	99.89%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service— End of Year	156.632	153.417
Miles W. I., Ductile, Copper, and Transite Mains in Service—End of Year.....	15.044	15.451

BOARD OF PUBLIC UTILITIES

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GOVERNMENT DOCUMENTS

ANNUAL REPORT

FOR THE YEAR ENDING
DECEMBER 31, 1968



CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT 1968

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK



Board Membership — December 31, 1968

William A. Taylor, Chairman

Leonard E. Bloomquist

Harold L. Swanson

James Conti

Melvin O. Swanson

Marion A. Panzarella

Joseph E. Veale

Charles B. Magnuson, President

Leslie A. Price, Secretary



Merle W. Smedberg

Superintendent of Public Utilities

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JAMESTOWN MUNICIPAL UTILITIES BRIEF HISTORICAL SKETCH

- 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—Waterworks purchased from private interests for \$600,000.
- 1913—English Hill Reservoir of five million gallon capacity constructed.
- 1923—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 1½ 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 Ave.
- 1942—3,000 k.v.a. unit type substation installed at 254 Harrison St.
- 1947—Supplemental system of seven 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.
- 1951—20,000 K.W. extension to Steele Street Station, three 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.
- 1954—Substations at New York Avenue and Dow Street, Falconer, installed, complete with transmission lines to new switchgear at Allen Street Substation.
- 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.
- 1958—Two-way radio equipment installed for use of both the Electric and Water Divisions.
- 1960—No. 11 boiler placed in service at the power plant.
- 1961—6 m.g.d. electric pump put into operation at Cassadaga Valley Pumping Station.
- 1962—Huxley Street and English Street Substations completed.
- 1963—Fluoridation of City water supply started.
- 1964—New ornamental street lighting installed in downtown area. 10,000 k.v.a. transformer added to Dow Street Substation.
- 1966—Five million gallon addition to English Hill Reservoir completed. Carter Street, Falconer, substation completed.
- 1967—Expansion of electric and steam generating facilities and addition to water supply system in progress. Schedule of increased water rates made effective July 1, 1967.
- 1968—No. 12 boiler and No. 6 turbine generator placed in operation at power plant.

BOARD OF PUBLIC UTILITIES

**CITY OF
JAMESTOWN, NEW YORK**

DIVISION OF
WATER, LIGHT AND POWER

February 3, 1969

To the Board of Public Utilities
City of Jamestown
Jamestown, New York

Gentlemen:

The annual reports of the Jamestown municipal water and electric utility systems for the year 1968 are submitted herewith as required by Section 129 of the Charter of the City of Jamestown.

Respectfully submitted,

MERLE W. SMEDBERG, Superintendent

Jamestown, New York

ANNUAL REPORT

of the

MUNICIPAL ELECTRIC SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1968**

MUNICIPAL ELECTRIC SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1968-1967

ASSETS		
Fixed Assets:	1968	1967
Operating Property — Electric	\$18,712,120.70	\$18,498,162.34
Construction Work in Progress	5,313,884.97	4,163,577.05
Non-operating Property	21,355.03	21,356.03
Investments:		
Miscellaneous Investments	250,000.00	972,845.21
Depreciation Reserve Fund—Cash	793.33	15,931.84
Depreciation Reserve Fund—Investments	477,000.00	687,301.84
Depreciation Reserve Fund—Interest Accrued	1,081.26	10,131.64
Current Assets:		
Cash—General	375,145.93	251,949.47
Working Funds	680.00	680.00
Material and Supplies	260,985.90	257,738.08
Receivables from Municipality	31,147.31	21,922.12
Accounts Receivable	261,426.72	278,035.00
Interest Accrued	1,218.84	4,172.66
Prepayments	21,499.46	26,179.51
Other Deferred Charges	2,893.09	—
Miscellaneous Suspense	(17,423.36)	(17,423.36)
TOTAL ASSETS	<u>\$25,713,810.18</u>	<u>\$25,192,559.43</u>

LIABILITIES		
Long Term Debt:		
Bonds	\$ 230,000.00	\$ 345,000.00
Current and Accrued Liabilities:		
Payables to Municipality	244.44	455.17
Accounts Payable	191,147.57	219,560.34
Notes Payable	2,300,000.00	2,500,000.00
Customers' Deposits	9,531.78	7,992.89
Interest Accrued	28,711.31	33,778.38
Advance Billings and Payments	109.10	146.60
Miscellaneous Current Liabilities	212,543.21	184,409.31
Reserves:		
Depreciation Reserve—Operating Property	11,833,184.69	11,339,694.67
Depreciation Reserve—Non-operating Property	19,608.74	19,133.06
Contributions for Extensions	181,566.55	179,193.78
Reserve for Uncollectible Accounts	7,900.78	6,548.65
Deferred Credits	1,203.65	1,963.85
Surplus	10,698,058.36	10,354,682.73
TOTAL LIABILITIES AND SURPLUS	<u>\$25,713,810.18</u>	<u>\$25,192,559.43</u>

Parentheses denote red figure.

MUNICIPAL ELECTRIC SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1968-1967

OPERATING INCOME:	1968	1967
Operating Revenues—Electric	\$3,831,911.84	\$3,699,639.39
Other Revenues:		
Steam Sales	\$ 18,888.25	\$ 18,000.86
Miscellaneous	13,634.28	12,070.02
Total Other Electric Revenues	\$ 32,522.53	\$ 30,070.88
Total Operating Revenues	<u>\$3,864,434.37</u>	<u>\$3,729,710.27</u>
OPERATING EXPENSES:		
Production	\$1,960,108.24	\$1,832,521.68
Transmission and Distribution	159,018.60	145,395.73
Street Lighting	18,723.36	20,632.05
Consumers' Accounting and Collecting ..	123,594.19	109,961.93
Sales Expense	(4,649.96)	464.96
Administrative and General	262,551.44	252,408.64
Depreciation	543,015.65	535,878.00
Taxes on Property Outside the City	43,735.35	36,357.64
Uncollectible Revenues	2,154.92	1,292.04
Contributions to City in Lieu of Taxes	391,000.00	331,000.00
Total Operating Expenses	<u>\$3,499,251.79</u>	<u>\$3,265,912.67</u>
NET ELECTRIC OPERATING INCOME	<u>\$ 365,182.58</u>	<u>\$ 463,797.60</u>
OTHER INCOME:		
Non-operating Rents	\$ 1,350.00	\$ 1,359.00
Interest	64,061.65	63,241.73
Miscellaneous Non-operating Revenues ..	55.00	82.00
Total Other Income	<u>\$ 65,466.65</u>	<u>\$ 64,682.73</u>
GROSS INCOME	<u>\$ 430,649.23</u>	<u>\$ 528,480.33</u>
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 4,753.34	\$ 6,593.33
Other Income Deductions	80,663.94	31,394.93
Total Income Deductions	<u>\$ 85,417.28</u>	<u>\$ 37,988.26</u>
NET INCOME TRANSFERRED TO SURPLUS. \$	<u>345,231.95</u>	<u>\$ 490,492.07</u>

Parentheses denote red figure.

SURPLUS ACCOUNT

Surplus as at January 1, 1968	\$10,354,682.73
Add:	
Net Income—1968	345,231.95
	<u>\$10,699,914.68</u>
Deduct:	
Miscellaneous Contributions—City (Net)	1,856.32
Surplus as at December 31, 1968	<u>\$10,698,058.36</u>

MUNICIPAL ELECTRIC SYSTEM

OPERATING REVENUES — ELECTRIC

For the Years Ended December 31, 1968-1967

	1968		1967	
	K.W.H. Sold	Revenue	K.W.H. Sold	Revenue
Residential Sales	57,543,172	\$1,190,832.58	54,206,955	\$1,138,487.79
Commercial Sales	58,260,601	1,040,675.37	56,340,234	1,003,918.89
Industrial Sales	99,745,466	1,276,836.73	100,628,492	1,255,527.53
Public St. Lighting— Jamestown	2,363,218	76,262.74	2,272,218	76,506.51
Public St. Lighting— Other	599,711	31,062.28	495,695	28,411.20
Other Sales to City of Jamestown	10,764,720	142,648.08	10,200,336	130,723.05
Other Sales to Other Public Authorities	4,653,668	73,594.06	3,968,908	66,064.42
TOTAL	233,930,556	\$3,831,911.84	228,112,838	\$3,699,639.39

MISCELLANEOUS ELECTRIC REVENUES

	1968	1967
Value of Cinders Supplied to City— Department of Public Works	\$ 149.51	\$ 402.52
Value of Steam Supplied to City Departments ..	18,888.25	18,000.86
Meter Reconnection Charges	951.00	840.00
Temporary Service Charges	96.00	69.00
Pole Attachment Revenues.....	12,312.77	10,522.98
Other Miscellaneous Revenues	125.00	235.52
TOTAL	\$32,522.53	\$30,070.88

TAXES—DIRECT AND TAX EQUIVALENTS

	1968	1967
Town of Ellicott—State and County Tax	\$ 15,106.31	\$ 11,598.75
Town of Ellicott—School Tax	20,619.64	17,416.89
Villages of Celoron and Falconer—Village Tax	8,009.40	7,342.00
City of Jamestown—Contributions in Lieu of Taxes	391,000.00	331,000.00
TOTAL	\$434,735.35	\$367,357.64
Percentage to Electric Service Revenues	<u>11.35</u>	<u>9.93</u>

MUNICIPAL ELECTRIC SYSTEM

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
1955	2,514,485.09	419,467.62	162,802,670	7.58	2,228,608.46	5,772,763.38
1960	2,798,846.30	2,029,578.60	183,666,148	7.53	2,466,969.44	7,605,317.88
1965	3,390,215.66	118,437.81	235,386,178	7.62	3,078,325.11	9,314,933.94
1966	3,589,083.80	385,355.70	250,713,053	7.78	3,152,461.36	9,858,912.71
1967	3,729,710.27	225,260.03	259,734,780	7.96	3,303,900.93	10,354,682.73
1968	3,864,434.37	213,958.36	268,448,766	8.15	3,584,669.07	10,698,058.36

BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Electric System
December 31, 1968

Date of Issue	Maturity	Interest Rate Per Year	Per Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
June 1, 1891	1901	4%	\$ 30,000	\$ 30,000	\$	\$
Dec. 1, 1893	1903	4%	32,000	32,000	.....	.....
June 1, 1901	1931	4%	30,000	30,000	.....	.....
Dec. 17, 1903	1932	4%	32,000	32,000	.....	.....
June 1, 1913	1933	4.6%	40,000	40,000	.....	.....
May 1, 1920	1945	5.5%	250,000	250,000	.....	.....
Aug. 1, 1950	1970	1.6%	2,300,000	2,070,000	230,000	4,753.34
			\$2,714,000	\$2,484,000	\$230,000	\$4,753.34

MUNICIPAL ELECTRIC SYSTEM

PRODUCTION STATISTICS

Year Ended December 31, 1968

Station Output and Costs:

Maximum System Demand—June 10, 1968, 1-2 P.M.	52,043 K.W.
Cost of Generation Including Power Plant Depreciation	\$1,924,136.27
Cost of Electricity Purchased	364,382.26
Purchased Electricity Expense	521.79
Total Production Cost	<u>\$2,289,040.32</u>

Fuel Consumed:

Kind of Fuel—Bituminous Coal	
Quantity Used for Generation	128,577.8 T.
Cost of Coal Consumed	\$1,048,112.39
Average Cost per Ton Consumed	\$8.15
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.07

Summary of Production and Sales:

K.W.H. Generated	241,056,900
K.W.H. Purchased	<u>27,391,866</u>
K.W.H. Generated and Purchased	268,448,766
Less: K.W.H. All Station Uses	<u>19,110,500</u>
K.W.H. Available for Distribution	<u>249,338,266</u>

	Customers End of Year	K.W.H.
Disposal of Energy:		
Residential Service	16,015	57,543,172
Commercial Service	3,147	58,260,601
Industrial Service	158	99,745,466
Street Lighting—Other Municipalities	5	599,711
Other Sales to Other Public Authorities	65	4,653,668
Used by City of Jamestown:		
Municipal Street Lighting	1	2,363,218
Other Municipal Purposes	105	10,764,720
Within Electric Department		<u>488,720</u>
Total Supplied and Used	<u>19,496</u>	234,419,276
Lost and Unaccounted For		<u>14,918,990</u>
Total to Balance		<u>249,338,266</u>

Per Cent of Lost and Unaccounted For	6.0%
1968 Average Units Used per Residential Customer	3,593 K.W.H.
1968 Average Annual Residential Bill	\$74.36
1968 Residential Revenue per K.W.H.	2.07c
Population of Localities Served—1960 Federal Census	51,650

ANNUAL REPORT

of the

MUNICIPAL WATER SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1968**

MUNICIPAL WATER SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1968-1967

ASSETS		
Fixed Assets:	1968	1967
Water Plant in Service	\$5,550,629.56	\$4,778,813.51
Other Physical Property	3,847.05	3,847.05
Construction Work in Progress	1,734,040.25	755,533.09
Investments:		
Depreciation Fund	200,000.00	450,000.00
Water Improvement Fund	1,232,000.00	—
Current and Accrued Assets:		
Cash—General	44,108.95	85,980.43
Cash—Water Rebate Fund	16,875.78	22,865.78
Working Funds	83.29	83.29
Accounts Receivable—Consumers	127,923.85	123,122.86
Accounts Receivable—Miscellaneous	2,090.96	938.06
Receivables from Municipality	14,430.33	14,207.94
Interest Receivable	16,192.76	1,198.94
Material and Supplies	144,473.91	104,960.35
Prepayments	31,550.03	11,941.09
TOTAL ASSETS	<u><u>\$9,118,246.72</u></u>	<u><u>\$6,353,492.39</u></u>

LIABILITIES		
Current and Accrued Liabilities:		
Notes Payable	\$2,500,000.00	\$ —
Payables to Municipality	6,867.16	6,023.19
Accounts Payable	26,631.15	9,043.15
Customers' Deposits	16,995.78	22,925.78
Interest Accrued	61,281.92	2.70
Wages Accrued	5,874.17	7,725.98
Other Current Liabilities	56,205.79	49,189.28
Reserves:		
Reserve for Depreciation of Water Plant ..	2,171,860.89	2,107,047.66
Reserve for Uncollectible Accounts	69.85	69.85
Contributions in Aid of Construction:		
Federal Government Grants		
Not Subject to Repayment	80,142.93	80,142.93
Contributions in Aid of Construction—		
Other	21,102.54	21,102.54
Surplus	4,171,214.54	4,050,219.33
TOTAL LIABILITIES AND SURPLUS	<u><u>\$9,118,246.72</u></u>	<u><u>\$6,353,492.39</u></u>

MUNICIPAL WATER SYSTEM

OPERATING STATEMENT FOR THE YEARS ENDED

DECEMBER 31, 1968-1967

	1968	1967
OPERATING REVENUES:		
Sales of Water	\$836,294.36	\$749,693.20
Other Water Revenues	10,286.65	6,910.40
TOTAL OPERATING REVENUES	<u>\$846,581.01</u>	<u>\$756,603.60</u>
OPERATION AND MAINTENANCE:		
Source of Supply Expenses	\$ 29,400.06	\$ 19,702.94
Power and Pumping Expenses	163,376.22	149,166.80
Transmission and Distribution Expenses	128,152.56	115,116.20
Customers' Accounting & Collecting Expenses	37,029.37	34,388.93
Administrative and General Expenses	81,742.24	76,841.94
Depreciation	88,734.47	85,160.45
Operating Taxes—Outside City	44,559.05	35,960.46
Contributions to the City in Lieu of Taxes	165,000.00	155,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	<u>\$737,993.97</u>	<u>\$671,337.72</u>
NET OPERATING REVENUES	<u>\$108,587.04</u>	<u>\$ 85,265.88</u>
OTHER INCOME:		
Interest on Investments	\$ 73,692.28	\$ 26,105.28
TOTAL OTHER INCOME	<u>\$ 73,692.28</u>	<u>\$ 26,105.28</u>
GROSS INCOME	<u>\$182,279.32</u>	<u>\$111,371.16</u>
INCOME DEDUCTIONS:		
Interest on Notes Payable	\$ 61,280.82	\$ —
Interest on Consumers' Deposits	3.29	2.49
TOTAL INCOME DEDUCTIONS	<u>\$ 61,284.11</u>	<u>\$ 2.49</u>
NET INCOME	<u>\$120,995.21</u>	<u>\$111,368.67</u>

SURPLUS

Surplus as at January 1, 1968	\$4,050,219.33
Add: Net Income—December 31, 1968	120,995.21
Surplus as at December 31, 1968	<u>\$4,171,214.54</u>

MUNICIPAL WATER SYSTEM

OPERATING REVENUES

Year Ended December 31, 1968

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,364	865,474	\$407,100.68
Commercial Metered Sales	1,019	314,602	147,086.20
Industrial Metered Sales	111	482,957	208,283.80
Private Fire Protection—Metered	45	5,458	2,353.09
Private Fire Protection—Unmetered —	6		1,578.00
Public Fire Protection—City of Jamestown—Hydrant Rental	1		32,991.01
Public Fire Protection—Other Hydrant Rental	4		7,610.51
Other Sales to Public Authorities	32	12,317	5,942.97
Sales to Operating Municipality	81	54,420	23,348.10
TOTAL SALES OF WATER	<u>13,663</u>	<u>1,735,228</u>	<u>\$836,294.36</u>
Customers Forfeited Discounts			\$ 8,036.09
Merchandise and Jobbing			747.77
Service Reconnection Charges			60.00
Meter Repair Charges			1,442.79
TOTAL OTHER WATER REVENUES			<u>\$ 10,286.65</u>
TOTAL OPERATING REVENUES—WATER			<u>\$846,581.01</u>

*Each active service connection.

TAXES — DIRECT AND TAX EQUIVALENTS

1968-1967

	1968	1967
Towns of Ellicott & Poland—St. and Co. Tax ..	\$ 16,995.05	\$ 13,791.49
Towns of Ellicott & Poland—School Tax	23,325.90	18,190.33
Villages of Celoron and Falconer—Village Tax	4,238.10	3,978.64
City of Jamestown—Contributions in Lieu of Taxes	165,000.00	155,000.00
TOTAL	<u>\$209,559.05</u>	<u>\$190,960.46</u>
Percentage to Total Operating Revenues	<u>24.75%</u>	<u>25.24%</u>

MUNICIPAL WATER SYSTEM COMPARATIVE STATEMENT

Year	Total Water Operating Revenues	Net Permanent Improvements and Extensions	Gallons Pumped	Operation and Maintenance Cost with Deprecia- tion 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
1955	460,442.22	118,478.75	1,837,989,000	359,781.64	3,011,905.16
1960	590,712.09	98,256.13	1,904,407,000	549,805.88	3,437,992.19
1965	649,787.85	136,508.00	2,164,558,000	621,902.98	3,868,643.14
1966	663,830.11	140,857.19	2,243,660,000	630,410.35	3,938,850.66
1967	756,603.60	178,820.69	2,207,120,000	671,340.21	4,050,219.33
1968	846,581.01	771,816.05	2,216,550,000	799,278.08	4,171,214.54

BONDED INDEBTEDNESS General City Bonds Issued for Purposes of the Water System

December 31, 1968

Date of Issue	Maturity	Interest Rate Per Year	Par Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
Mar. 9, 1903	1943	4%	\$ 300,000	\$ 300,000	\$	\$
Mar. 9, 1903	1923	4%	300,000	300,000	.....	.....
Apr. 19, 1913	1933	4.5%	150,000	150,000	.....	.....
May 1, 1920	1960	5.25%	400,000	400,000	.....	.....
Feb. 1, 1924	1944	4.35%	280,000	280,000	.....	.....
TOTAL			\$1,430,000	\$1,430,000	\$	\$

MUNICIPAL WATER SYSTEM

SUMMARY OF STATISTICS

Population Supplied—	1968	1967
1960 Federal Census	49,400	49,400
Total Pumpage for Year—Gallons	2,216,550,000	2,207,120,000
Maximum Daily Consumption	7,187,000	8,440,000
Average Daily Pumpage—Gallons	6,056,148	6,046,904
Gallons per Day to Each Inhabitant on Total Pumpage	122.59	122.41
Water Supply—Wells in Use	19	19
Area of Water Shed—Square Miles	140	140
Coal Consumed at Source of Supply Station	1,355,800 lbs.	1,625,400 lbs.
Number of Gallons Pumped per K.W.H. Electricity—Primary Station	1,032.24	1,056.63
Number of Gallons Pumped per K.W.H. Electricity—Booster Station	853.61	907.66
Storage Reservoirs— Total Capacity in Gallons	11,500,000	11,500,000
Active Services—End of Year	13,720	13,629
Hydrants in Service—End of Year	1,117	1,109
Meters in Service—End of Year	14,206	14,195
Percentage of Active Services—Metered	99.89%	99.89%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service— End of Year	159.083	156.632
Miles W. I., Ductile, Copper, and Transite Mains in Service—End of Year.....	14.529	15.044

BOARD OF PUBLIC UTILITIES

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GOVERNMENT DOCUMENTS

ANNUAL REPORT

FOR THE YEAR ENDING
DECEMBER 31, 1969



CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT 1969

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK



Board Membership — December 31, 1969

William A. Taylor, Chairman

Leonard E. Bloomquist

Melvin O. Swanson

Marion A. Panzarella

Joseph E. Veale

Harold L. Swanson

Charles B. Magnuson, President

Charlotte Dahlbeck, Secretary



Merle W. Smedberg

Superintendent of Public Utilities

Robert A. Larson

Business Manager



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JAMESTOWN MUNICIPAL UTILITIES

BRIEF HISTORICAL SKETCH

- 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—Waterworks purchased from private interests for \$600,000.
- 1913—English Hill Reservoir of five million gallon capacity constructed.
- 1923—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 1½ 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 Ave.
- 1942—3,000 k.v.a. unit type substation installed at 254 Harrison St.
- 1947—Supplemental system of seven 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.
- 1951—20,000 K.W. extension to Steele Street Station, three 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.
- 1954—Substations at New York Avenue and Dow Street, Falconer, installed, complete with transmission lines to new switchgear at Allen Street Substation.
- 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.
- 1958—Two-way radio equipment installed for use of both the Electric and Water Divisions.
- 1960—No. 11 boiler placed in service at the power plant.
- 1961—6 m.g.d. electric pump put into operation at Cassadaga Valley Pumping Station.
- 1962—Huxley Street and English Street Substations completed.
- 1963—Fluoridation of City water supply started.
- 1964—New ornamental street lighting installed in downtown area. 10,000 k.v.a. transformer added to Dow Street Substation.
- 1966—Five million gallon addition to English Hill Reservoir completed. Carter Street, Falconer, substation completed.
- 1967—Expansion of electric and steam generating facilities and addition to water supply system in progress. Schedule of increased water rates made effective July 1, 1967.
- 1968—No. 12 boiler and No. 6 turbine generator placed in operation at power plant.
- 1969—Poland Center well field and Clay Pond Pump Station placed in operation. Underground conduit system installed for tie line — Dow Street to Samuel A. Carlson Electric Generating Station.

**BOARD OF PUBLIC UTILITIES
CITY OF
JAMESTOWN, NEW YORK**

DIVISION OF
WATER, LIGHT AND POWER

May 1, 1970

To the Board of Public Utilities
City of Jamestown
Jamestown, New York

Gentlemen:

The annual reports of the Jamestown municipal water and electric utility systems for the year 1969 are submitted herewith as required by Section 129 of the Charter of the City of Jamestown.

Respectfully submitted,

MERLE W. SMEDBERG, Superintendent

ROBERT A. LARSON, Business Manager

Jamestown, New York

ANNUAL REPORT

of the

MUNICIPAL ELECTRIC SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1969**

MUNICIPAL ELECTRIC SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1969-1968

ASSETS		
Fixed Assets:	1969	1968
Operating Property — Electric	\$21,666,556.44	\$18,712,120.70
Construction Work in Progress	3,499,961.29	5,313,884.97
Non-operating Property	5,500.00	21,356.03
Investments:		
Miscellaneous Investments	645,000.00	250,000.00
Depreciation Reserve Fund—Cash	2,823.94	793.33
Depreciation Reserve Fund— Investments	148,000.00	477,000.00
Depreciation Reserve Fund— Interest Accrued	274.60	1,081.26
Current Assets:		
Cash—General	154,745.21	375,145.93
Working Funds	680.00	680.00
Material and Supplies	242,763.30	260,985.90
Receivables from Municipality	21,429.14	31,147.31
Accounts Receivable	241,374.80	261,426.72
Interest Accrued	1,480.08	1,218.84
Prepayments	44,983.83	21,499.46
Other Deferred Charges	3,250.71	2,893.09
Miscellaneous Suspense	(17,423.36)	(17,423.36)
TOTAL ASSETS	<u><u>\$26,661,399.98</u></u>	<u><u>\$25,713,810.18</u></u>
LIABILITIES		
Long Term Debt:		
Bonds	\$, 115,000.00	\$ 230,000.00
Current and Accrued Liabilities:		
Payables to Municipality	238.82	244.44
Accounts Payable	185,893.01	191,147.57
Notes Payable	2,650,000.00	2,300,000.00
Customers' Deposits	10,065.33	9,531.78
Interest Accrued	64,660.70	28,711.31
Advance Billings and Payments	109.10	109.10
Miscellaneous Current Liabilities	234,360.21	212,543.21
Reserves:		
Depreciation Reserve— Operating Property	12,206,397.44	11,833,184.69
Depreciation Reserve— Non-operating Property	—	19,608.74
Contributions for Extensions	181,566.55	181,566.55
Reserve for Uncollectible Accounts	8,485.05	7,900.78
Deferred Credits	443.45	1,203.65
Retained Net Income Invested in Utility Plant, Working Capital, Etc.	11,004,180.32	10,698,058.36
TOTAL LIABILITIES AND RETAINED NET INCOME	<u><u>\$26,661,399.98</u></u>	<u><u>\$25,713,810.18</u></u>

Parentheses denote red figure.

MUNICIPAL ELECTRIC SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1969-1968

	1969	1968
OPERATING INCOME:		
Operating Revenues—Electric	\$3,947,046.19	\$3,831,911.84
Other Revenues:		
Steam Sales	\$ 24,449.72	\$ 18,888.25
Miscellaneous	14,046.69	13,634.28
Total Other Electric Revenues	\$ 38,496.41	\$ 32,522.53
Total Operating Revenues	\$3,985,542.60	\$3,864,434.37
OPERATING EXPENSES:		
Production	\$2,125,628.83	\$1,960,108.24
Transmission and Distribution	190,126.10	159,018.60
Street Lighting	21,135.17	18,723.36
Consumers' Accounting and Collecting ..	131,180.62	123,594.19
Sales Expense	(6,782.92)	(4,649.96)
Administrative and General	290,358.07	262,551.44
Depreciation	429,790.29	543,015.65
Taxes on Property Outside the City	43,541.02	43,735.35
Uncollectible Revenues	2,587.78	2,154.92
Contributions to City in Lieu of Taxes	391,000.00	391,000.00
Total Operating Expenses	\$3,618,564.96	\$3,499,251.79
NET ELECTRIC OPERATING INCOME	\$ 366,977.64	\$ 365,182.58
OTHER INCOME:		
Non-operating Rents	\$ 1,200.00	\$ 1,350.00
Interest	51,680.74	64,061.65
Miscellaneous Non-operating Revenues ..	—	55.00
Total Other Income	\$ 52,880.74	\$ 65,466.65
GROSS INCOME	\$ 419,858.38	\$ 430,649.23
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 2,913.33	\$ 4,753.34
Other Income Deductions	113,473.78	80,663.94
Total Income Deductions	\$ 116,387.11	\$ 85,417.28
NET INCOME	\$ 303,471.27	\$ 345,231.95

Parentheses denote red figure.

STATEMENT OF RETAINED NET INCOME

Balance, January 1, 1969	\$10,698,058.36
Add:	
Net Income—1969	\$303,471.27
Miscellaneous Credits	3,752.71
	\$11,005,282.34
Deduct:	
Miscellaneous Contributions—City (Net)	1,102.02
Balance, December 31, 1969	\$11,004,180.32

MUNICIPAL ELECTRIC SYSTEM
OPERATING REVENUES — ELECTRIC
For the Years Ended December 31, 1969-1968

	1969		1968	
	K.W.H. Sold	Revenue	K.W.H. Sold	Revenue
Residential Sales	59,887,812	\$1,227,304.26	57,543,172	\$1,190,832.58
Commercial Sales	61,310,236	1,096,989.46	58,260,601	1,040,675.37
Industrial Sales	97,966,272	1,277,067.11	99,745,466	1,276,836.73
Public St. Lighting— Jamestown	2,349,707	82,952.42	2,363,218	76,262.74
Public St. Lighting— Other	657,798	32,812.45	599,711	31,062.28
Other Sales to City of Jamestown	10,742,466	147,335.00	10,764,720	142,648.08
Other Sales to Other Public Authorities .	5,230,006	82,585.49	4,653,668	73,594.06
TOTAL	<u>238,144,297</u>	<u>\$3,947,046.19</u>	<u>233,930,556</u>	<u>\$3,831,911.84</u>

MISCELLANEOUS ELECTRIC REVENUES

	1969	1968
Value of Cinders Supplied to City— Department of Public Works	\$ —	\$ 149.51
Value of Steam Supplied to City Departments ..	24,449.72	18,888.25
Meter Reconnection Charges	913.00	951.00
Temporary Service Charges	156.00	96.00
Pole Attachment Revenues.....	12,977.69	12,312.77
Other Miscellaneous Revenues	—	125.00
TOTAL	<u>\$38,496.41</u>	<u>\$32,522.53</u>

TAXES—DIRECT AND TAX EQUIVALENTS

	1969	1968
Town of Ellicott—State and County Tax	\$ 11,571.70	\$ 15,106.31
Town of Ellicott—School Tax	24,330.04	20,619.64
Villages of Celoron and Falconer—Village Tax	7,639.28	8,009.40
City of Jamestown—Contributions in Lieu of Taxes	391,000.00	391,000.00
TOTAL	<u>\$434,541.02</u>	<u>\$434,735.35</u>
Percentage to Electric Service Revenues	<u>11.01</u>	<u>11.35</u>

MUNICIPAL ELECTRIC SYSTEM **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	Retained Net Income
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
1955	2,514,485.09	419,467.62	162,802,670	7.58	2,228,608.46	5,772,763.38
1960	2,798,846.30	2,029,578.60	183,666,148	7.53	2,466,969.44	7,605,317.88
1965	3,390,215.66	1,18,437.81	235,386,178	7.62	3,078,325.11	9,314,933.94
1966	3,589,083.80	385,355.70	250,713,053	7.78	3,152,461.36	9,858,912.71
1967	3,729,710.27	225,260.03	259,734,780	7.96	3,303,900.93	10,354,682.73
1968	3,864,434.37	213,958.36	268,448,766	8.15	3,584,669.07	10,698,058.36
1969	3,985,542.60	2,954,435.74	272,527,606	8.64	3,734,952.07	11,004,180.32

BONDED INDEBTEDNESS **General City Bonds Issued for Purposes of the Electric System** **December 31, 1969**

Date of Issue	Maturity	Interest Rate Per Year	Per Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
June 1, 1891	1901	4%	\$ 30,000	\$ 30,000	\$ .....	.....
Dec. 1, 1893	1903	4%	32,000	32,000	.....	.....
June 1, 1901	1931	4%	30,000	30,000	.....	.....
Dec. 17, 1903	1932	4%	32,000	32,000	.....	.....
June 1, 1913	1933	4.6%	40,000	40,000	.....	.....
May 1, 1920	1945	5.5%	250,000	250,000	.....	.....
Aug. 1, 1950	1970	1.6%	2,300,000	2,185,000	115,000	2,913.33
			\$2,714,000	\$2,599,000	\$115,000	\$2,913.33

MUNICIPAL ELECTRIC SYSTEM

PRODUCTION STATISTICS

Year Ended December 31, 1969

Station Output and Costs:

Maximum System Demand — June 26, 1969, 10-11 A.M.	52,856 K.W.
Cost of Generation Including Power Plant Depreciation	\$1,903,173.43
Cost of Electricity Purchased	431,614.96
Purchased Electricity Expense	585.93
Total Production Cost	<u>\$2,335,374.32</u>

Fuel Consumed:

Kind of Fuel—Bituminous Coal	
Quantity Used for Generation	121,059 T.
Cost of Coal Consumed	\$1,045,375.30
Average Cost per Ton Consumed	\$8.64
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.02

Summary of Production and Sales:

K.W.H. Generated	238,232,800
K.W.H. Purchased	34,294,806
K.W.H. Generated and Purchased	<u>272,527,606</u>
Less: K.W.H. All Station Uses	19,319,800
K.W.H. Available for Distribution	<u><u>253,207,806</u></u>

	Customers End of Year	K.W.H.
Disposal of Energy:		
Residential Service	16,048	59,887,812
Commercial Service	3,149	61,310,236
Industrial Service	157	97,966,272
Street Lighting—Other Municipalities	5	657,798
Other Sales to Other Public Authorities	62	5,230,006
Used by City of Jamestown:		
Municipal Street Lighting	1	2,349,707
Other Municipal Purposes	105	10,742,466
Within Electric Department		468,371
Total Supplied and Used	<u>19,527</u>	<u>238,612,668</u>
Lost and Unaccounted For		14,595,138
Total to Balance		<u><u>253,207,806</u></u>

Per Cent of Lost and Unaccounted For	5.8%
1969 Average Units Used per Residential Customer	3,732 K.W.H.
1969 Average Annual Residential Bill	\$76.48
1969 Residential Revenue per K.W.H.	2.05c
Population of Localities Served—1960 Federal Census	51,650

ANNUAL REPORT

of the

MUNICIPAL WATER SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1969**

MUNICIPAL WATER SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1969-1968

ASSETS		
Fixed Assets:	1969	1968
Water Plant in Service	\$5,777,885.81	\$5,550,629.56
Other Physical Property	3,847.05	3,847.05
Construction Work in Progress	1,959,092.56	1,734,040.25
Investments:		
Depreciation Fund	75,000.00	200,000.00
Water Improvement Fund	984,000.00	1,232,000.00
Current and Accrued Assets:		
Cash—General	20,487.42	44,108.95
Cash—Water Rebate Fund	18,758.10	16,875.78
Working Funds	83.29	83.29
Accounts Receivable—Consumers	128,253.20	127,923.85
Accounts Receivable—Miscellaneous	5,078.37	2,090.96
Receivables from Municipality	14,753.21	14,430.33
Interest Receivable	1,511.73	16,192.76
Material and Supplies	172,596.63	144,473.91
Prepayments	26,746.34	31,550.03
TOTAL ASSETS	<u><u>\$9,188,093.71</u></u>	<u><u>\$9,118,246.72</u></u>
LIABILITIES		
Current and Accrued Liabilities:		
Notes Payable	\$2,500,000.00	\$2,500,000.00
Payables to Municipality	8,153.65	6,867.16
Accounts Payable	7,638.69	26,631.15
Customers' Deposits	18,868.10	16,995.78
Interest Accrued	68,374.43	61,281.92
Wages Accrued	6,312.18	5,874.17
Other Current Liabilities	59,773.79	56,205.79
Reserves:		
Reserve for Depreciation of Water Plant	2,239,303.90	2,171,860.89
Reserve for Uncollectible Accounts	69.85	69.85
Contributions in Aid of Construction:		
Federal Government Grants		
Not Subject to Repayment	80,142.93	80,142.93
Contributions in Aid of Construction—		
Other	21,102.54	21,102.54
Retained Net Income Invested in Utility Plant, Working Capital, Etc.	4,178,353.65	4,171,214.54
TOTAL LIABILITIES AND RETAINED NET INCOME	<u><u>\$9,188,093.71</u></u>	<u><u>\$9,118,246.72</u></u>

MUNICIPAL WATER SYSTEM

OPERATING STATEMENT FOR THE YEARS ENDED

December 31, 1969-1968

	1969	1968
OPERATING REVENUES:		
Sales of Water	\$839,571.00	\$836,294.36
Other Water Revenues	10,555.14	10,286.65
TOTAL OPERATING REVENUES	<u>\$850,126.14</u>	<u>\$846,581.01</u>
OPERATION AND MAINTENANCE:		
Source of Supply Expenses	\$ 26,348.74	\$ 29,400.06
Power and Pumping Expenses	186,883.53	163,376.22
Transmission and Distribution Expenses	150,129.46	128,152.56
Customers' Accounting & Collecting Expenses	41,194.46	37,029.37
Administrative and General Expenses	88,380.41	81,742.24
Depreciation	98,975.09	88,734.47
Operating Taxes—Outside City	56,458.78	44,559.05
Contributions to the City in Lieu of Taxes	165,000.00	165,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	<u>\$813,370.47</u>	<u>\$737,993.97</u>
NET OPERATING REVENUES	<u>\$ 36,755.67</u>	<u>\$108,587.04</u>
OTHER INCOME:		
Interest on Investments	\$ 74,836.23	\$ 73,692.28
TOTAL OTHER INCOME	<u>\$ 74,836.23</u>	<u>\$ 73,692.28</u>
GROSS INCOME	<u>\$111,591.90</u>	<u>\$182,279.32</u>
INCOME DEDUCTIONS:		
Interest on Notes Payable	\$104,339.05	\$ 61,280.82
Interest on Consumers' Deposits.....	4.27	3.29
Other Income Deductions	109.47	—
TOTAL INCOME DEDUCTIONS.....	<u>\$104,452.79</u>	<u>\$ 61,284.11</u>
NET INCOME	<u>\$ 7,139.11</u>	<u>\$120,995.21</u>

STATEMENT OF RETAINED NET INCOME

Balance, January 1, 1969	\$4,171,214.54
Add: Net Income—December 31, 1969	7,139.11
Balance, December 31, 1969	<u>\$4,178,353.65</u>

MUNICIPAL WATER SYSTEM

OPERATING REVENUES

Year Ended December 31, 1969

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,489	867,868	\$409,212.99
Commercial Metered Sales	1,032	271,640	144,334.05
Industrial Metered Sales	115	487,006	209,191.73
Private Fire Protection—Metered	48	7,358	3,189.93
Private Fire Protection—Unmetered —	14		1,578.00
Public Fire Protection—City of Jamestown—Hydrant Rental	1		33,085.20
Public Fire Protection—Other Hydrant Rental	4		7,785.00
Other Sales to Public Authorities	33	13,360	6,391.85
Sales to Operating Municipality	* 74	58,051	24,802.25
TOTAL SALES OF WATER	13,810	1,705,283	\$839,571.00
Customers' Forfeited Discounts			\$ 7,105.85
Merchandise and Jobbing			2,401.18
Service Reconnection Charges			57.00
Meter Repair Charges			991.11
TOTAL OTHER WATER REVENUES			\$ 10,555.14
TOTAL OPERATING REVENUES—WATER			\$850,126.14

*Each active service connection.

TAXES — DIRECT AND TAX EQUIVALENTS

1969-1968

	1969	1968
Town of Ellicott—State, County and Town Tax \$	11,579.55	\$ 16,707.60
Town of Ellicott—School Tax	26,228.51	20,652.45
Town of Poland—State, County and Town Tax	3,331.87	287.45
Town of Poland—School Tax	11,196.43	2,673.45
Villages of Celoron and Falconer—Village Tax	4,122.42	4,238.10
City of Jamestown—Contributions in Lieu of Taxes	165,000.00	165,000.00
TOTAL	\$221,458.78	\$209,559.05
Percentage to Total Operating Revenues	26.05%	24.75%

MUNICIPAL WATER SYSTEM COMPARATIVE STATEMENT

Year	Total Water Operating Revenues	Net Permanent Improvements and Extensions	Gallons Pumped	Operation and Maintenance Cost with Deprecia- tion and Interest	Retained Net Income
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
1955	460,442.22	118,478.75	1,837,989,000	359,781.64	3,011,905.16
1960	590,712.09	98,256.13	1,904,407,000	549,805.88	3,437,992.19
1965	649,787.85	136,508.00	2,164,558,000	621,902.98	3,868,643.14
1966	663,830.11	140,857.19	2,243,660,000	630,410.35	3,938,850.66
1967	756,603.60	178,820.69	2,207,120,000	671,340.21	4,050,219.33
1968	846,581.01	771,816.05	2,216,550,000	799,278.08	4,171,214.54
1969	850,126.14	227,256.25	2,249,488,000	917,823.26	4,178,353.65

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BONDED INDEBTEDNESS General City Bonds Issued for Purposes of the Water System December 31, 1969

Date of Issue	Maturity	Interest Rate Per Year	Par Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
Mar. 9, 1903	1943	4%	\$ 300,000	\$ 300,000	\$	\$
Mar. 9, 1903	1923	4%	300,000	300,000	.....	.....
Apr. 19, 1913	1933	4.5%	150,000	150,000	.....	.....
May 1, 1920	1960	5.25%	400,000	400,000	.....	.....
Feb. 1, 1924	1944	4.35%	280,000	280,000	.....	.....
TOTAL			\$1,430,000	\$1,430,000	\$	\$

MUNICIPAL WATER SYSTEM

SUMMARY OF STATISTICS

Population Supplied—	1969	1968
1960 Federal Census	49,400	49,400
Total Pumpage for Year—Gallons	2,249,488,000	2,216,550,000
Maximum Daily Consumption	7,200,000	7,187,000
Average Daily Pumpage—Gallons	6,162,981	6,056,148
Gallons per Day to Each Inhabitant on Total Pumpage	124.76	122.59
Water Supply—Wells in Use	21	19
Area of Water Shed—Square Miles (Cassadaga Valley Station)	140	140
Coal Consumed at Cassadaga Valley Station	1,430,900 lbs.	1,355,800 lbs.
Number of Gallons Pumped per K.W.H. Electricity—Cassadaga Station	1,140.58	1,032.24
Number of Gallons Pumped per K.W.H. Electricity—Buffalo Street Station	812.94	853.61
Storage Reservoirs— Total Capacity in Gallons	11,500,000	11,500,000
Active Services—End of Year	13,762	13,720
Hydrants in Service—End of Year	1,123	1,117
Meters in Service—End of Year	14,237	14,206
Percentage of Active Services—Metered	99.89%	99.89%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service— End of Year	160.494	159.083
Miles W. I., Ductile, Copper, and Transite Mains in Service—End of Year.....	14.125	14.529

BOARD OF PUBLIC UTILITIES

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1970

ANNUAL REPORT

FOR THE YEAR ENDING

December 31, 1970



CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT 1970

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK



Board Membership — December 31, 1970

William A. Taylor, Chairman

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A. Lenard Johnson

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Charlotte Dahlbeck, Secretary



Merle W. Smedberg
Superintendent of Public Utilities

Robert A. Larson
Business Manager



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JAMESTOWN MUNICIPAL UTILITIES

BRIEF HISTORICAL SKETCH

- 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—Waterworks purchased from private interests for \$600,000.
- 1913—English Hill Reservoir of five million gallon capacity constructed.
- 1923—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 1½ 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.
- 1941—3,000 k.v.a. unit type substation installed at 30 Jones & Gifford Ave.
- 1942—3,000 k.v.a. unit type substation installed at 254 Harrison St.
- 1947—Supplemental system of seven well units equipped with individual electrically-driven deep well pumps completed. 20,000 kilowatt expansion to Steele Street Power Plant initiated.
- 1948—Supplementary water well system approved by Water Power and Control Commission.
- 1951—20,000 K.W. extension to Steele Street Station, three 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.
- 1954—Substations at New York Avenue and Dow Street, Falconer, installed, complete with transmission lines to new switchgear at Allen Street Substation.
- 1956—Direct current eliminated. Newland Avenue Substation completed. Well No. 8 added to water system.
- 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.
- 1958—Two-way radio equipment installed for use of both the Electric and Water Divisions.
- 1960—No. 11 boiler placed in service at the power plant.
- 1961—6 m.g.d. electric pump put into operation at Cassadaga Valley Pumping Station.
- 1962—Huxley Street and English Street Substations completed.
- 1963—Fluoridation of City water supply started.
- 1964—New ornamental street lighting installed in downtown area. 10,000 k.v.a. transformer added to Dow Street Substation.
- 1966—Five million gallon addition to English Hill Reservoir completed. Carter Street, Falconer, substation completed.
- 1968—No. 12 boiler and No. 6 turbine generator placed in operation at power plant.
- 1969—Poland Center well field and Clay Pond Pump Station placed in operation.
- 1970—Underground cable installed in new underground conduit system and placed in service for tie line — Dow Street to Samuel A. Carlson Electric Generating Station. Capacity of Blackstone Avenue and Washington Street Substations increased by the addition of a 5600 k.v.a. transformer at each substation.

**BOARD OF PUBLIC UTILITIES
CITY OF
JAMESTOWN, NEW YORK**

March 1, 1971

**DIVISION OF
WATER, LIGHT AND POWER**

**To the Board of Public Utilities
City of Jamestown
Jamestown, New York**

Gentlemen:

The annual reports of the Jamestown municipal electric and water utility systems for the year 1970 are submitted herewith as required by Section 129 of the Charter of the City of Jamestown.

Respectfully submitted,

MERLE W. SMEDBERG, Superintendent

ROBERT A. LARSON, Business Manager

Jamestown, New York

ANNUAL REPORT

of the

MUNICIPAL ELECTRIC SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
December 31, 1970**

MUNICIPAL ELECTRIC SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1970-1969

ASSETS

Fixed Assets:	1970	1969
Operating Property — Electric	\$25,837,036.43	\$21,666,556.44
Construction Work in Progress	154,988.38	3,499,961.29
Non-operating Property	5,500.00	5,500.00
Investments:		
Miscellaneous Investments	1,351,000.00	645,000.00
Depreciation Reserve Fund—Cash	380.71	2,823.94
Depreciation Reserve Fund— Investments	11,000.00	148,000.00
Depreciation Reserve Fund— Interest Accrued	58.06	274.60
Current Assets:		
Cash—General	177,219.78	154,745.21
Working Funds	680.00	680.00
Material and Supplies	283,367.85	242,763.30
Receivables from Municipality	26,577.61	21,429.14
Accounts Receivable	279,622.74	241,374.80
Interest Accrued	3,077.78	1,480.08
Prepayments	37,267.62	44,983.83
Other Deferred Charges	397.34	3,250.71
Regulatory Commission Suspense	22,874.25	—
Miscellaneous Suspense	(17,423.36)	(17,423.36)
TOTAL ASSETS	<u>\$28,173,625.19</u>	<u>\$26,661,399.98</u>

LIABILITIES

Long Term Debt:		
Bonds	\$ 4,500,000.00	\$ 115,000.00
Current and Accrued Liabilities:		
Payables to Municipality	383.78	238.82
Accounts Payable	234,097.03	185,893.01
Notes Payable	—	2,650,000.00
Customers' Deposits	9,484.01	10,065.33
Interest Accrued	44,071.80	64,660.70
Advance Billings and Payments	109.10	109.10
Miscellaneous Current Liabilities	190,690.00	234,360.21
Reserves:		
Depreciation Reserve— Operating Property	11,876,724.19	12,206,397.44
Contributions for Extensions	185,028.82	181,566.55
Reserve for Uncollectible Accounts	8,972.18	8,485.05
Deferred Credits	16,913.52	443.45
Retained Net Income Invested in Utility Plant, Working Capital, Etc.	11,107,150.76	11,004,180.32
TOTAL LIABILITIES AND RETAINED NET INCOME	<u>\$28,173,625.19</u>	<u>\$26,661,399.98</u>

Parentheses denote red figure.

MUNICIPAL ELECTRIC SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1970-1969

	1970	1969
OPERATING INCOME:		
Operating Revenues—Electric	\$4,164,375.78	\$3,947,046.19
Other Revenues:		
Steam Sales	\$ 1,742.54	\$ 24,449.72
Miscellaneous	14,258.08	14,046.69
Total Other Electric Revenues	\$ 16,000.62	\$ 38,496.41
Total Operating Revenues	<u>\$4,180,376.40</u>	<u>\$3,985,542.60</u>
OPERATING EXPENSES:		
Production	\$2,240,674.63	\$2,125,628.83
Transmission and Distribution	205,272.72	190,126.10
Street Lighting	22,545.12	21,135.17
Consumers' Accounting and Collecting ..	138,360.97	131,180.62
Sales Expense	3,859.60	(6,782.92)
Administrative and General	273,747.60	290,358.07
Depreciation	599,781.43	429,790.29
Taxes on Property Outside the City	46,015.90	43,541.02
Uncollectible Revenues	2,628.73	2,587.78
Contributions to City in Lieu of Taxes	391,000.00	391,000.00
Total Operating Expenses	<u>\$3,923,886.70</u>	<u>\$3,618,564.96</u>
NET ELECTRIC OPERATING INCOME	<u>\$ 256,489.70</u>	<u>\$ 366,977.64</u>
OTHER INCOME:		
Non-operating Rents	\$ 1,200.00	\$ 1,200.00
Interest	39,907.34	51,680.74
Total Other Income	<u>\$ 41,107.34</u>	<u>\$ 52,880.74</u>
GROSS INCOME	<u>\$ 297,597.04</u>	<u>\$ 419,858.38</u>
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 118,406.65	\$ 2,913.33
Other Income Deductions	69,923.37	113,473.78
Total Income Deductions	<u>\$ 188,330.02</u>	<u>\$ 116,387.11</u>
NET INCOME	<u><u>\$ 109,267.02</u></u>	<u><u>\$ 303,471.27</u></u>

Parentheses denote red figure.

STATEMENT OF RETAINED NET INCOME

Balance, January 1, 1970	\$11,004,180.32
Add:	
Net Income—1970	109,267.02
	<u>\$11,113,447.34</u>
Deduct:	
Miscellaneous Contributions—City (Net)	6,296.58
Balance, December 31, 1970	<u><u>\$11,107,150.76</u></u>

MUNICIPAL ELECTRIC SYSTEM
OPERATING REVENUES — ELECTRIC
For the Years Ended December 31, 1970-1969

	1970		1969	
	K.W.H. Sold	Revenue	K.W.H. Sold	Revenue
Residential Sales	62,677,172	\$1,270,812.17	59,887,812	\$1,227,304.26
Commercial Sales	64,718,740	1,165,149.24	61,310,236	1,096,989.46
Industrial Sales	97,977,717	1,349,696.84	97,966,272	1,277,067.11
Public St. Lighting— Jamestown	2,450,448	88,678.94	2,349,707	82,952.42
Public St. Lighting— Other	700,666	33,617.54	657,798	32,812.45
Other Sales to City of Jamestown	11,267,372	167,134.22	10,742,466	147,335.00
Other Sales to Other Public Authorities	5,498,114	89,286.83	5,230,006	82,585.49
TOTAL	245,290,229	\$4,164,375.78	238,144,297	\$3,947,046.19

MISCELLANEOUS ELECTRIC REVENUES

	1970	1969
Value of Steam Supplied to City Departments ..	\$ 1,742.54	\$24,449.72
Meter Reconnection Charges	696.00	913.00
Temporary Service Charges	230.00	156.00
Pole Attachment Revenues.....	13,095.48	12,977.69
Other Miscellaneous Revenues	236.60	—
TOTAL	\$16,000.62	\$38,496.41

TAXES—DIRECT AND TAX EQUIVALENTS

	1970	1969
Town of Ellicott—State and County Tax	\$ 11,957.55	\$ 11,571.70
Town of Ellicott—School Tax	27,010.33	24,330.04
Villages of Celoron and Falconer—Village Tax	7,048.02	7,639.28
City of Jamestown—Contributions in Lieu of Taxes	391,000.00	391,000.00
TOTAL	\$437,015.90	\$434,541.02
Percentage to Electric Service Revenues	10.49	11.01

MUNICIPAL ELECTRIC SYSTEM

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	Retained Net Income
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
1955	2,514,485.09	419,467.62	162,802,670	7.58	2,228,608.46	5,772,763.38
1960	2,798,846.30	2,029,578.60	183,666,148	7.53	2,466,969.44	7,605,317.88
1965	3,390,215.66	118,437.81	235,386,178	7.62	3,078,325.11	9,314,933.94
1970	4,180,376.40	4,170,479.99	281,312,073	10.30	4,112,216.72	11,107,150.76

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BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Electric System DECEMBER 31, 1970

Date of Issue	Maturity	Interest Rate Per Year	Per Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
June 1, 1891	1901	4%	\$ 30,000	\$ 30,000	\$ .....	.....
Dec. 1, 1893	1903	4%	32,000	32,000	.....	.....
June 1, 1901	1931	4%	30,000	30,000	.....	.....
Dec. 17, 1903	1932	4%	32,000	32,000	.....	.....
June 1, 1913	1933	4.6%	40,000	40,000	.....	.....
May 1, 1920	1945	5.5%	250,000	250,000	.....	.....
Aug. 1, 1950	1970	1.6%	2,300,000	2,300,000	2,500,000	1,073.33
May 1, 1970	1990	5.9%	2,500,000	.....	2,000,000	98,333.32
Nov. 1, 1970	1990	5.7%	2,000,000	.....	.....	19,000.00
			\$7,214,000	\$2,714,000	\$4,500,000	\$118,406.65

MUNICIPAL ELECTRIC SYSTEM

PRODUCTION STATISTICS

Year Ended December 31, 1970

Station Output and Costs:

Maximum System Demand — July 27, 1970, 1-2 P.M.	54,565 K.W.
Cost of Generation Including Power Plant Depreciation	\$2,320,723.75
Cost of Electricity Purchased	296,904.04
Purchased Electricity Expense	670.34
Total Production Cost	<u>\$2,618,298.13</u>

Fuel Consumed:

Kind of Fuel—Bituminous Coal	
Quantity Used for Generation	125,041.49 T.
Cost of Coal Consumed	\$1,287,378.02
Average Cost per Ton Consumed	\$10.30
Pounds of Coal per Kilowatt Hour (Gross Generation)	.9484

Summary of Production and Sales:

K.W.H. Generated	263,676,200
K.W.H. Purchased	17,635,873
K.W.H. Generated and Purchased	281,312,073
Less: K.W.H. All Station Uses	19,434,300
K.W.H. Available for Distribution	<u>261,877,773</u>

Disposal of Energy:	Customers End of Year	K.W.H.
Residential Service	16,037	62,677,172
Commercial Service	3,179	64,718,740
Industrial Service	157	97,977,717
Street Lighting—Other Municipalities	5	700,666
Other Sales to Other Public Authorities	63	5,498,114
Used by City of Jamestown:		
Municipal Street Lighting	1	2,450,448
Other Municipal Purposes	99	11,267,372
Within Electric Department		434,523
Total Supplied and Used	19,541	245,724,752
Lost and Unaccounted For		16,153,021
Total to Balance		<u>261,877,773</u>

Per Cent of Lost and Unaccounted For	6.2%
1970 Average Units Used per Residential Customer	3,908 K.W.H.
1970 Average Annual Residential Bill	\$79.24
1970 Residential Revenue per K.W.H.	2.03c
Population of Localities Served—1970 Federal Census	49,014

ANNUAL REPORT

of the

MUNICIPAL WATER SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1970**

MUNICIPAL WATER SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1970-1969

ASSETS

Fixed Assets:	1970	1969
Water Plant in Service	\$8,065,839.67	\$5,777,885.81
Other Physical Property	3,847.05	3,847.05
Construction Work in Progress	131,195.12	1,959,092.56
Investments:		
Depreciation Fund	—	75,000.00
Water Improvement Fund	53,000.00	984,000.00
Current and Accrued Assets:		
Cash—General	4,530.97	20,487.42
Cash—Water Rebate Fund	20,531.78	18,758.10
Working Funds	83.29	83.29
Accounts Receivable—Consumers	161,294.94	128,253.20
Accounts Receivable—Miscellaneous	2,997.24	5,078.37
Receivables from Municipality	14,931.50	14,753.21
Interest Receivable	58.08	1,511.73
Material and Supplies	175,300.03	172,596.63
Prepayments	29,297.80	26,746.34
TOTAL ASSETS	<u>\$8,662,907.47</u>	<u>\$9,188,093.71</u>

LIABILITIES

Long Term Debt:		
Bonds	\$2,000,000.00	\$ —
Current and Accrued Liabilities:		
Notes Payable	—	2,500,000.00
Payables to Municipality	7,929.07	8,153.65
Accounts Payable	14,327.60	7,638.69
Customers' Deposits	20,671.78	18,868.10
Interest Accrued	19,667.53	68,374.43
Wages Accrued	6,126.85	6,312.18
Other Current Liabilities	42,097.79	59,773.79
Reserves:		
Reserve for Depreciation of Water Plant	2,313,601.57	2,239,303.90
Reserve for Uncollectible Accounts	69.85	69.85
Deferred Credits	7,776.64	—
Contributions in Aid of Construction:		
Federal Government Grants		
Not Subject to Repayment	80,142.93	80,142.93
Contributions in Aid of Construction—		
Other	21,632.54	21,102.54
Retained Net Income Invested in Utility		
Plant, Working Capital, Etc.	4,128,863.32	4,178,353.65
TOTAL LIABILITIES AND RETAINED NET		
INCOME	<u>\$8,662,907.47</u>	<u>\$9,188,093.71</u>

MUNICIPAL WATER SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1970-1969

	1970	1969
OPERATING REVENUES:		
Sales of Water	\$904,690.41	\$839,571.00
Other Water Revenues	13,424.27	10,555.14
TOTAL OPERATING REVENUES	<u>\$918,114.68</u>	<u>\$850,126.14</u>

OPERATION AND MAINTENANCE:		
Source of Supply Expenses	\$ 39,358.52	\$ 26,348.74
Power and Pumping Expenses	210,318.98	186,883.53
Transmission and Distribution Expenses	148,541.77	150,129.46
Customers' Accounting & Collecting Expenses	46,077.89	41,194.46
Administrative and General Expenses	83,414.22	88,380.41
Depreciation	108,192.37	98,975.09
Operating Taxes—Outside City	79,067.81	56,458.78
Contributions to the City in Lieu of Taxes	165,000.00	165,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	<u>\$879,971.56</u>	<u>\$813,370.47</u>
NET OPERATING REVENUES	<u>\$ 38,143.12</u>	<u>\$ 36,755.67</u>

OTHER INCOME:		
Interest on Investments	\$ 31,242.69	\$ 74,836.23
TOTAL OTHER INCOME	<u>\$ 31,242.69</u>	<u>\$ 74,836.23</u>
GROSS INCOME	<u>\$ 69,385.81</u>	<u>\$111,591.90</u>
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 78,666.67	\$ —
Interest on Notes Payable	39,527.26	104,339.05
Interest on Consumers' Deposits	5.51	4.27
Other Income Deductions	944.22	109.47
Release of Premium on Debt — Credit	267.52	—
TOTAL INCOME DEDUCTIONS.....	<u>\$118,876.14</u>	<u>\$104,452.79</u>
NET INCOME	<u>\$(49,490.33)</u>	<u>\$ 7,139.11</u>

Parentheses denote red figure.

STATEMENT OF RETAINED NET INCOME

Balance, January 1, 1970	\$4,178,353.65
Deduct: Net Loss — December 31, 1970	49,490.33
Balance — December 31, 1970	<u>\$4,128,863.32</u>

MUNICIPAL WATER SYSTEM

OPERATING REVENUES

Year Ended December 31, 1970

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,605	890,195	\$443,217.87
Commercial Metered Sales	1,035	323,930	157,715.20
Industrial Metered Sales	113	511,712	222,929.56
Private Fire Protection—Metered	47	11,872	5,176.91
Private Fire Protection—Unmetered	14		1,748.63
Public Fire Protection—City of Jamestown—Hydrant Rental	1		33,192.44
Public Fire Protection—Other Hydrant Rental	4		7,785.00
Other Sales to Public Authorities	31	13,510	6,915.43
Sales to Operating Municipality	66	60,614	26,009.37
TOTAL SALES OF WATER	13,916	1,811,833	\$904,690.41
Rent from Water Property			\$ 475.00
Customers' Forfeited Discounts			9,224.69
Merchandise and Jobbing			1,433.89
Service Reconnection Charges			121.00
Meter Repair Charges			2,169.69
TOTAL OTHER WATER REVENUES			\$ 13,424.27
TOTAL OPERATING REVENUES—WATER			\$918,114.68

*Each active service connection.

TAXES—DIRECT AND TAX EQUIVALENTS

1970-1969

	1970	1969
Town of Ellicott—State, County and Town Tax	\$ 13,947.55	\$ 11,579.55
Town of Ellicott—School Tax	31,113.74	26,228.51
Town of Poland—State, County and Town Tax	11,871.97	3,331.87
Town of Poland—School Tax	18,202.33	11,196.43
Villages of Celoron and Falconer—Village Tax	3,932.22	4,122.42
City of Jamestown—Contributions in Lieu of Taxes	165,000.00	165,000.00
TOTAL	\$244,067.81	\$221,458.78
Percentage to Total Operating Revenues	26.58%	26.05%

MUNICIPAL WATER SYSTEM COMPARATIVE STATEMENT

Year	Total Water Operating Revenues	Net Permanent Improvements and Extensions	Gallons Pumped	Operation and Maintenance Cost with Deprecia- tion and Interest	Retained Net Income
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
1955	460,442.22	118,478.75	1,837,989.000	359,781.64	3,011,905.16
1960	590,712.09	98,256.13	1,904,407.000	549,805.88	3,437,992.19
1965	649,787.85	136,508.00	2,164,558.000	621,902.98	3,868,643.14
1970	918,114.68	2,287,953.86	2,416,227.000	998,847.70	4,128,863.32

BONDED INDEBTEDNESS General City Bonds Issued for Purposes of the Water System December 31, 1970

Date of Issue	Maturity	Interest Rate Per Year	Par Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
Mar. 9, 1903	1943	4%	\$ 300,000	\$ 300,000	\$	
Mar. 9, 1903	1923	4%	300,000	300,000		
Apr. 19, 1913	1933	4.5%	150,000	150,000		
May 1, 1920	1960	5.25%	400,000	400,000		
Feb. 1, 1924	1944	4.35%	280,000	280,000		
May 1, 1970	1990	5.9%	2,000,000		2,000,000	78,666.67
TOTAL			\$3,430,000	\$1,430,000	\$2,000,000	\$78,666.67

MUNICIPAL WATER SYSTEM

SUMMARY OF STATISTICS

Population Supplied—	1970	1969
Federal Census (1970, 1960)	46,299	49,400
Total Pumpage for Year—Gallons	2,416,227,000	2,249,488,000
Maximum Daily Consumption	8,351,000	7,200,000
Average Daily Pumpage—Gallons	6,619,800	6,162,981
Gallons per Day to Each Inhabitant on Total Pumpage	142.98	124.76
Water Supply—Wells in Use	21	21
Area of Water Shed—Square Miles (Cassadaga Valley Station)	140	140
Coal Consumed at Cassadaga Valley Station	1,242,500 lbs.	1,430,900 lbs.
Number of Gallons Pumped per K.W.H Electricity—Cassadaga Station	1,042.38	1,140.58
Number of Gallons Pumped per K.W.H. Electricity—Buffalo Street Station	831.09	812.94
Storage Reservoirs— Total Capacity in Gallons	11,500,000	11,500,000
Active Services—End of Year	13,760	13,762
Hydrants in Service—End of Year	1,123	1,123
Meters in Service—End of Year	14,245	14,237
Percentage of Active Services—Metered	99.93%	99.93%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service— End of Year	162.276	160.494
Miles W. I., Ductile, Copper, and Transite Mains in Service—End of Year.....	13.768	14.125

BOARD OF PUBLIC UTILITIES

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1971

GOVERNMENT DOCUMENTS

ANNUAL REPORT

FOR THE YEAR ENDING

December 31, 1971



CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT 1971

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK



Board Membership — December 31, 1971

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Charlotte Dahlbeck, Secretary



James S. Pullan

Superintendent of Public Utilities

Joseph C. Johnson

Assistant to the Superintendent

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JAMESTOWN MUNICIPAL UTILITIES

BRIEF HISTORICAL SKETCH

- 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—Waterworks purchased from private interests for \$600,000.
- 1913—English Hill Reservoir of five million gallon capacity constructed.
- 1923—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 1½ 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.
- 1941—3,000 k.v.a. unit type substation installed at 30 Jones & Gifford Ave.
- 1942—3,000 k.v.a. unit type substation installed at 254 Harrison St.
- 1947—Supplemental system of seven well units equipped with individual electrically-driven deep well pumps completed. 20,000 kilowatt expansion to Steele Street Power Plant initiated.
- 1948—Supplementary water well system approved by Water Power and Control Commission.
- 1951—20,000 K.W. extension to Steele Street Station, three 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.
- 1954—Substations at New York Avenue and Dow Street, Falconer, installed, complete with transmission lines to new switchgear at Allen Street Substation.
- 1956—Direct current eliminated. Newland Avenue Substation completed. Well No. 8 added to water system.
- 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.
- 1958—Two-way radio equipment installed for use of both the Electric and Water Divisions.
- 1960—No. 11 boiler placed in service at the power plant.
- 1961—6 m.g.d. electric pump put into operation at Cassadaga Valley Pumping Station.
- 1962—Huxley Street and English Street Substations completed.
- 1963—Fluoridation of City water supply started.
- 1964—New ornamental street lighting installed in downtown area. 10,000 k.v.a. transformer added to Dow Street Substation.
- 1966—Five million gallon addition to English Hill Reservoir completed. Carter Street, Falconer, substation completed.
- 1968—No. 12 boiler and No. 6 turbine generator placed in operation at power plant.
- 1969—Poland Center well field and Clay Pond Pump Station placed in operation.
- 1970—Tie lines between Samuel A. Carlson Electric Generating Station and Dow Substation installed through new underground conduit system. Increase of 5600 KVA in transformer capacity at Blackstone Avenue and at Washington Street Substations.
- 1971—Clifton Avenue Substation installed. 4160 volt conversion started in downtown area.

**BOARD OF PUBLIC UTILITIES
CITY OF
JAMESTOWN, NEW YORK**

March 1, 1972

**DIVISION OF
WATER, LIGHT AND POWER**

To the Board of Public Utilities
City of Jamestown
Jamestown, New York

Gentlemen:

The annual reports of the Jamestown municipal electric and water utility systems for the year 1971 are submitted herewith as required by Section 129 of the Charter of the City of Jamestown.

Respectfully submitted,

JAMES S. PULLAN, Superintendent

JOSEPH C. JOHNSON,
Assistant to the Superintendent

Jamestown, New York

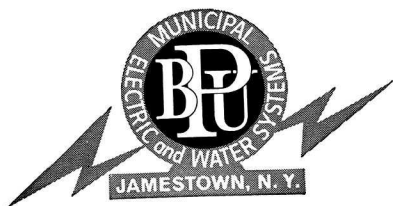
ANNUAL REPORT

of the

MUNICIPAL ELECTRIC SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
December 31, 1971**

MUNICIPAL ELECTRIC SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1971-1970

ASSETS

Fixed Assets:	1971	1970
Operating Property — Electric	\$26,525,433.37	\$25,837,036.43
Construction Work in Progress	156,500.23	154,988.38
Non-operating Property	5,500.00	5,500.00
Investments:		
Miscellaneous Investments	1,203,500.00	1,351,000.00
Depreciation Reserve Fund—Cash	42.20	380.71
Depreciation Reserve Fund— Investments	11,900.00	11,000.00
Depreciation Reserve Fund— Interest Accrued	12.62	58.06
Current Assets:		
Cash—General	100,246.39	177,219.78
Working Funds	680.00	680.00
Material and Supplies	268,454.92	283,367.85
Receivables from Municipality	30,338.06	26,577.61
Accounts Receivable	374,673.98	279,622.74
Interest Accrued	16,499.37	3,077.78
Prepayments	24,077.91	37,267.62
Other Deferred Charges	2,876.80	397.34
Regulatory Commission Suspense	48,705.29	22,874.25
Miscellaneous Suspense	33,505.37	(17,423.36)
TOTAL ASSETS	\$28,802,946.51	\$28,173,625.19

LIABILITIES

Long Term Debt:		
Bonds	\$ 4,295,000.00	\$ 4,500,000.00
City Hall Indebtedness	331,564.02	—
Current and Accrued Liabilities:		
Payables to Municipality	577.07	383.78
Accounts Payable	259,856.36	234,097.03
Customers' Deposits	8,477.66	9,484.01
Interest Accrued	41,746.19	44,071.80
Advance Billings and Payments	109.10	109.10
Miscellaneous Current Liabilities	212,090.00	190,690.00
Reserves:		
Depreciation Reserve— Operating Property	12,536,973.96	11,876,724.19
Contributions for Extensions	188,363.47	185,028.82
Reserve for Uncollectible Accounts	9,417.40	8,972.18
Deferred Credits	15,711.48	16,913.52
Retained Net Income Invested in Utility Plant, Working Capital, Etc.	10,903,059.80	11,107,150.76
TOTAL LIABILITIES AND RETAINED NET INCOME	\$28,802,946.51	\$28,173,625.19

Parentheses denote red figure.

MUNICIPAL ELECTRIC SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1971-1970

	1971	1970
OPERATING INCOME:		
Operating Revenues—Electric	\$4,567,369.70	\$4,164,375.78
Other Revenues:		
Pole Attachment Rents	\$ 13,439.06	\$ 13,095.48
Miscellaneous	3,224.44	2,905.14
Total Other Electric Revenues	\$ 16,663.50	\$ 16,000.62
Total Operating Revenues	\$4,584,033.20	\$4,180,376.40
OPERATING EXPENSES:		
Production	\$2,556,467.66	\$2,240,674.63
Transmission and Distribution	191,084.04	205,272.72
Street Lighting	25,705.91	22,545.12
Consumers' Accounting and Collecting ..	159,332.98	138,360.97
Sales Expense	1,673.82	3,859.60
Administrative and General	421,980.88	273,747.60
Depreciation	756,955.70	599,781.43
Taxes on Property Outside the City	45,073.36	46,015.90
Uncollectible Revenues	2,569.90	2,628.73
Contributions to City in Lieu of Taxes ..	391,000.00	391,000.00
Total Operating Expenses	\$4,551,844.25	\$3,923,886.70
NET ELECTRIC OPERATING INCOME	\$ 32,188.95	\$ 256,489.70
OTHER INCOME:		
Non-operating Rents	\$ 1,200.00	\$ 1,200.00
Interest	61,584.95	39,907.34
Total Other Income	\$ 62,784.95	\$ 41,107.34
GROSS INCOME	\$ 94,973.90	\$ 297,597.04
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 277,927.64	\$ 118,406.65
Other Income Deductions	(340.33)	69,923.37
Total Income Deductions	\$ 277,587.31	\$ 188,330.02
NET INCOME	\$ (182,613.41)	\$ 109,267.02

Parentheses denote red figure.

STATEMENT OF RETAINED NET INCOME

Balance, January 1, 1971	\$11,107,150.76
Deduct:	
Net Loss — December 31, 1971	\$182,613.41
Miscellaneous Contributions—City (Net) ..	17,081.01
Net Expenses of Price Fixing	
Conspiracy Cases	4,396.54
	204,090.96
Balance, December 31, 1971	\$10,903,059.80

MUNICIPAL ELECTRIC SYSTEM
OPERATING REVENUES — ELECTRIC
For the Years Ended December 31, 1971-1970

	1971		1970	
	K.W.H. Sold	Revenue	K.W.H. Sold	Revenue
Residential Sales	64,122,251	\$1,385,865.09	62,677,172	\$1,270,812.17
Commercial Sales	64,688,959	1,280,204.93	64,718,740	1,165,149.24
Industrial Sales	95,758,386	1,452,441.76	97,977,717	1,349,696.84
Public St. Lighting— Jamestown	2,517,743	105,062.34	2,450,448	88,678.94
Public St. Lighting— Other	757,396	35,215.64	700,666	33,617.54
Other Sales to City of Jamestown	12,378,783	210,082.10	11,267,372	167,134.22
Other Sales to Other Public Authorities ..	5,503,126	98,497.84	5,498,114	89,286.83
TOTAL	245,726,644	\$4,567,369.70	245,290,229	\$4,164,375.78

MISCELLANEOUS ELECTRIC REVENUES

	1971	1970
Pole Attachment Revenues	\$13,439.06	\$13,095.48
Value of Steam Supplied to City Departments ..	2,221.20	1,742.54
Meter Reconnection Charges	727.00	696.00
Temporary Service Charges	123.00	230.00
Other Miscellaneous Revenues	153.24	236.60
TOTAL	\$16,663.50	\$16,000.62

TAXES—DIRECT AND TAX EQUIVALENTS

	1971	1970
Town of Ellicott—State and County Tax	\$ 11,577.62	\$ 11,957.55
Town of Ellicott—School Tax	26,378.54	27,010.33
Villages of Celoron and Falconer—Village Tax	7,117.20	7,048.02
City of Jamestown—Contributions in Lieu of Taxes	391,000.00	391,000.00
TOTAL	\$436,073.36	\$437,015.90
Percentage to Electric Service Revenues	9.55	10.49

MUNICIPAL ELECTRIC SYSTEM

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	Retained Net Income
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
1955	2,514,485.09	419,467.62	162,802,670	7.58	2,228,608.46	5,772,763.38
1960	2,798,846.30	2,029,578.60	183,666,148	7.53	2,466,969.44	7,605,317.88
1965	3,390,215.66	118,437.81	235,386,178	7.62	3,078,325.11	9,314,933.94
1970	4,180,376.40	4,170,479.99	281,312,073	10.30	4,112,216.72	11,107,150.76
1971	4,584,033.20	688,396.94	284,077,068	12.37	4,829,431.56	10,903,059.80

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BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Electric System DECEMBER 31, 1971

Date of Issue	Maturity	Interest Rate Per Year	Par Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
June 1, 1891	1901	4%	\$ 30,000	\$ 30,000	\$	
Dec. 1, 1893	1903	4%	32,000	32,000		
June 1, 1901	1931	4%	30,000	30,000		
Dec. 17, 1903	1932	4%	32,000	32,000		
June 1, 1913	1933	4.6%	40,000	40,000		
May 1, 1920	1945	5.5%	250,000	250,000		
Aug. 1, 1950	1970	1.6%	2,300,000	2,300,000		
May 1, 1970	1990	5.9%	2,500,000	125,000	2,375,000	142,583.36
Nov. 1, 1970	1990	5.7%	2,000,000	80,000	1,920,000	113,240.00
			\$7,214,000	\$2,919,000	\$4,295,000	\$255,823.36

MUNICIPAL ELECTRIC SYSTEM

PRODUCTION STATISTICS

Year Ended December 31, 1971

Station Output and Costs:

Maximum System Demand—September 8, 1971, 1-2 P.M.	55,949 K.W.
Cost of Generation Including Power Plant Depreciation	\$2,703,943.82
Cost of Electricity Purchased	325,812.15
Purchased Electricity Expense	550.32
Total Production Cost	<u>\$3,030,306.29</u>

Fuel Consumed:

Kind of Fuel—Bituminous Coal	
Quantity Used for Generation	131,096.57 T.
Cost of Coal Consumed	\$1,621,500.44
Average Cost per Ton Consumed	\$12.37
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.0044

Summary of Production and Sales:

K.W.H. Generated	261,042,600
K.W.H. Purchased	23,034,468
K.W.H. Generated and Purchased	284,077,068
Less: K.W.H. All Station Uses	19,700,100
K.W.H. Available for Distribution	<u>264,376,968</u>

	Customers End of Year	K.W.H.
Disposal of Energy:		
Residential Service	15,999	64,122,251
Commercial Service	3,186	64,688,959
Industrial Service	154	95,758,386
Street Lighting—Other Municipalities	5	757,396
Other Sales to Other Public Authorities	63	5,503,126
Used by City of Jamestown:		
Municipal Street Lighting	1	2,517,743
Other Municipal Purposes	99	12,378,783
Within Electric Department		530,809
Total Supplied and Used	19,507	246,257,453
Lost and Unaccounted For		18,119,515
Total to Balance		<u>264,376,968</u>

Per Cent of Lost and Unaccounted For	6.9%
1971 Average Units Used per Residential Customer	4,008 K.W.H.
1971 Average Annual Residential Bill	\$86.62
1971 Residential Revenue per K.W.H.	2.16c
Population of Localities Served—1970 Federal Census	49,014

ANNUAL REPORT

of the

MUNICIPAL WATER SYSTEM

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
December 31, 1971**

MUNICIPAL WATER SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1971-1970

ASSETS

	1971	1970
Fixed Assets:		
Water Plant in Service	\$8,391,621.67	\$8,065,839.67
Other Physical Property	3,847.05	3.847.05
Construction Work in Progress	24,219.82	131,195.12
Investments:		
Depreciation Fund	40,000.00	—
Water Improvement Fund	18,200.00	53,000.00
Current and Accrued Assets:		
Cash—General	31,305.59	4,530.97
Cash—Water Rebate Fund	24,024.67	20,531.78
Working Funds	83.29	83.29
Accounts Receivable—Consumers	195,325.86	161,294.94
Accounts Receivable—Miscellaneous	4,763.54	2,997.24
Receivables from Municipality	15,210.47	14,931.50
Interest Receivable	39.07	58.08
Material and Supplies	155,208.44	175,300.03
Prepayments	31,416.41	29,297.80
TOTAL ASSETS	<u>\$8,935,265.88</u>	<u>\$8,662,907.47</u>

LIABILITIES

Long Term Debt:		
Bonds	\$1,900,000.00	\$2,000,000.00
City Hall Indebtedness	82,891.00	—
Current and Accrued Liabilities:		
Notes Payable	100,000.00	—
Payables to Municipality	9,357.66	7,929.07
Accounts Payable	11,242.97	14,327.60
Customers' Deposits	24,194.67	20,671.78
Interest Accrued	20,557.13	19,667.53
Wages Accrued	6,141.14	6,126.85
Other Current Liabilities	59,947.79	42,097.79
Reserves:		
Reserve for Depreciation of Water Plant	2,400,949.59	2,313,601.57
Reserve for Uncollectible Accounts	69.85	69.85
Deferred Credits	7,468.15	7,776.64
Contributions in Aid of Construction:		
Federal Government Grants		
Not Subject to Repayment	80,142.93	80,142.93
Contributions in Aid of Construction—		
Other	21,632.54	21,632.54
Retained Net Income Invested in Utility Plant, Working Capital, Etc.	<u>4,210,670.46</u>	<u>4,128,863.32</u>
TOTAL LIABILITIES AND RETAINED NET INCOME	<u>\$8,935,265.88</u>	<u>\$8,662,907.47</u>

MUNICIPAL WATER SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1971-1970

	1971	1970
OPERATING REVENUES:		
Sales of Water	\$1,130,308.61	\$904,690.41
Other Water Revenues	14,456.56	13,424.27
TOTAL OPERATING REVENUES	<u>\$1,144,765.17</u>	<u>\$918,114.68</u>
OPERATION AND MAINTENANCE:		
Source of Supply Expenses	\$ 25,454.17	\$ 39,358.52
Power and Pumping Expenses	212,275.55	210,318.98
Transmission and Distribution Expenses	147,418.50	148,541.77
Customers' Accounting & Collecting Expenses	55,124.79	46,077.89
Administrative and General Expenses	132,818.43	83,414.22
Depreciation	118,438.97	108,192.37
Operating Taxes—Outside City	82,436.45	79,067.81
Contributions to the City in Lieu of Taxes	165,000.00	165,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	<u>\$ 938,966.86</u>	<u>\$879,971.56</u>
NET OPERATING REVENUES	<u>\$ 205,798.31</u>	<u>\$ 38,143.12</u>
OTHER INCOME:		
Interest on Investments	\$ 1,751.32	\$ 31,242.69
TOTAL OTHER INCOME	<u>\$ 1,751.32</u>	<u>\$ 31,242.69</u>
GROSS INCOME	<u>\$ 207,549.63</u>	<u>\$ 69,385.81</u>
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 119,592.72	\$ 78,666.67
Interest on Notes Payable	2,013.40	39,527.26
Interest on Consumers' Deposits	5.14	5.51
Other Income Deductions	—	944.22
Release of Premium on Debt — Credit	402.24	267.52
TOTAL INCOME DEDUCTIONS	<u>\$ 121,209.02</u>	<u>\$118,876.14</u>
NET INCOME	<u>\$ 86,340.61</u>	<u>\$ (49,490.33)</u>

Parentheses denote red figure.

STATEMENT OF RETAINED NET INCOME

Balance, January 1, 1971	\$4,128,863.32
Add: Net Income — December 31, 1971	86,340.61
	<u>\$4,215,203.93</u>
Deduct: Uncollectible Water Bills — Prior Years	4,533.47
Balance, December 31, 1971	<u>\$4,210,670.46</u>

MUNICIPAL WATER SYSTEM

OPERATING REVENUES

Year Ended December 31, 1971

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,724	897,853	\$ 566,945.82
Commercial Metered Sales	1,036	319,800	193,750.88
Industrial Metered Sales	112	600,811	286,665.01
Private Fire Protection—Metered	46	6,788	3,362.63
Private Fire Protection—Unmetered	7		1,986.25
Public Fire Protection—City of Jamestown—Hydrant Rental	1		33,322.81
Public Fire Protection—Other Hydrant Rental	4		7,785.00
Other Sales to Public Authorities	37	14,111	9,471.87
Sales to Operating Municipality	* 55	59,132	27,018.34
TOTAL SALES OF WATER	14,022	1,898,495	\$1,130,308.61

Rent from Water Property	\$ 475.00
Customers' Forfeited Discounts	10,322.53
Merchandise and Jobbing	1,346.74
Service Reconnection Charges	200.00
Meter Repair Charges	2,112.29
TOTAL OTHER WATER REVENUES	\$ 14,456.56
TOTAL OPERATING REVENUES—WATER	\$1,144,765.17

*Each active service connection.

TAXES—DIRECT AND TAX EQUIVALENTS 1971-1970

	1971	1970
Town of Ellicott—State, County and Town Tax	\$ 13,383.70	\$ 13,947.55
Town of Ellicott—School Tax	34,085.93	31,113.74
Town of Poland—State, County and Town Tax	10,055.05	11,871.97
Town of Poland—School Tax	20,925.87	18,202.33
Villages of Celoron and Falconer—Village Tax	3,985.90	3,932.22
City of Jamestown—Contributions in Lieu of Taxes	165,000.00	165,000.00
TOTAL	\$247,436.45	\$244,067.81
Percentage to Total Operating Revenues	21.61%	26.58%

MUNICIPAL WATER SYSTEM COMPARATIVE STATEMENT

Year	Total Water Operating Revenues	Net Permanent Improvements and Extensions	Gallons Pumped	Operation and Maintenance Cost with Deprecia- tion and Interest	Retained Net Income
1920	\$149,890.85	\$208,152.99	1,207,682,800	\$103,409.71	\$ 974,435.07
1921	296,319.04	164,798.75	1,204,295,000	136,148.31	1,951,980.97
1930	221,747.62	(6,714.88)	1,170,089,000	189,323.12	1,565,006.89
1940	425,738.75	82,500.33	1,679,684,000	285,995.55	2,395,014.26
1950	460,442.22	118,478.75	1,837,989,000	359,781.64	3,011,905.16
1955	590,712.09	98,256.13	1,904,407,000	549,805.88	3,437,992.19
1960	649,787.85	136,508.00	2,164,558,000	621,902.98	3,868,643.14
1965	918,114.68	2,287,953.86	2,416,227,000	998,847.70	4,128,863.32
1970	1,144,765.17	325,782.00	2,382,658,000	1,060,175.88	4,210,670.46

BONDED INDEBTEDNESS General City Bonds Issued for Purposes of the Water System DECEMBER 31, 1971

Date of Issue	Maturity	Interest Rate Per Year	Par Value of Issue	Redeemed	Outstanding End of Year	Interest Accrued in Year
Mar. 9, 1903	1943	4%	\$ 300,000	\$ 300,000	\$ .....	.....
Mar. 9, 1903	1923	4%	300,000	300,000	.....	.....
Apr. 19, 1913	1933	4.5%	150,000	150,000	.....	.....
May 1, 1920	1960	5.25%	400,000	400,000	.....	.....
Feb. 1, 1924	1944	4.35%	280,000	280,000	.....	.....
May 1, 1970	1990	5.9%	2,000,000	100,000	1,900,000	119,592.72
TOTAL	.....	.....	\$3,430,000	\$1,530,000	\$1,900,000	\$119,592.72

MUNICIPAL WATER SYSTEM

SUMMARY OF STATISTICS

	1971	1970
Population Supplied— Federal Census (1970)	46,299	46,299
Total Pumpage for Year—Gallons	2,382,658,000	2,416,227,000
Maximum Daily Consumption	8,157,000	8,351,000
Average Daily Pumpage—Gallons	5,041,000	6,619,800
Gallons per Day to Each Inhabitant on Total Pumpage	140.99	142.98
Water Supply—Wells in Use	21	21
Area of Water Shed—Square Miles (Cassadaga Valley Station)	140	140
Coal Consumed at Cassadaga Valley Station	1,157,500 lbs.	1,242,500 lbs.
Number of Gallons Pumped per K.W.H. Electricity—Cassadaga Station	1,004.6	1,042.38
Number of Gallons Pumped per K.W.H. Electricity—Clay Pond Station	517.00	505.00
Storage Reservoirs— Total Capacity in Gallons	11,500,000	11,500,000
Active Services—End of Year	13,779	13,760
Hydrants in Service—End of Year	1,125	1,123
Meters in Service—End of Year	14,073	14,245
Percentage of Active Services—Metered	99.93%	99.93%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service— End of Year	162.811	162.276
Miles W. I., Ductile, Copper, and Transite Mains in Service—End of Year.....	13.743	13.768