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BOARD OF PUBLIC UTILITIES

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GOVERNMENT DOCUMENTS

ANNUAL REPORT

**FOR THE YEAR ENDING
DECEMBER 31, 1966**



CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT 1966

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK



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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—New water supply system in Cassadaga Valley placed in operation.
- 1923—Board of Public Utilities created by Chapter 665, Laws of New York, 1923, to assume control and jurisdiction of municipal utility systems.
- 1923—Levant Pumping Station and water supply removed from service.
- 1925—Buffalo Street Reservoir of 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 new substations and connecting underground conduit and transmission system completed and placed in operation. 6 m.g.d. turbine-driven pump installed to replace 5 m.g.d. pump at Cassadaga Valley Pumping Station.
- 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 (150,000 lbs. per hour capacity) placed in service at the power plant. Entered into contract with U. S. Department of Interior for a 3 year study of underground water resources.
- 1961—6 m.g.d. electric pump was 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.
- 1965—Contracts let for No. 12 boiler (230,000 lbs. per hour capacity) at Samuel A. Carlson Electric Generating Station.
- 1966—Five million gallon addition to English Hill Reservoir completed.

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

February 2, 1967

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 water and electric utility systems for the year 1966 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, 1966**

MUNICIPAL ELECTRIC SYSTEM

BALANCE SHEET OF DECEMBER 31, 1966-1965

ASSETS		
Fixed Assets:	1966	1965
Operating Property — Electric	\$18,272,902.31	\$17,887,546.61
Construction Work in Progress	930,080.59	373,552.02
Non-operating Property	21,356.03	21,356.03
Investments:		
Miscellaneous Investments	500,000.00	1,079,160.88
Depreciation Reserve Fund—Cash	54,822.18	17,690.87
Depreciation Reserve Fund— Investments	1,183,855.93	866,650.32
Depreciation Reserve Fund— Interest Accrued	8,757.11	4,930.79
Current Assets:		
Cash—General	210,740.63	198,089.84
Working Funds	680.00	680.00
Material and Supplies	259,435.94	225,052.69
Receivables from Municipality	28,508.68	21,168.05
Accounts Receivable	250,312.86	226,066.86
Interest Accrued	3,109.73	8,265.99
Prepayments	31,641.45	13,959.84
Clearing Accounts	—	6,337.42
Miscellaneous Suspense	(17,423.36)	(17,423.36)
TOTAL ASSETS	\$21,738,780.08	\$20,933,084.85
LIABILITIES		
Long Term Debt:		
Bonds	\$ 460,000.00	\$ 575,000.00
Current and Accrued Liabilities:		
Payables to Municipality	155.36	2,092.49
Accounts Payable	229,535.52	147,821.67
Customers' Deposits	7,287.55	6,556.39
Interest Accrued	3,373.76	3,900.84
Advance Billings and Payments	109.10	109.10
Miscellaneous Current Liabilities	173,773.50	168,027.98
Reserves:		
Depreciation Reserve— Operating Property	10,798,782.29	10,508,535.40
Non-operating Property	18,657.38	18,181.70
Contributions for Extensions	179,193.78	178,356.14
Reserve for Uncollectible Accounts	6,275.08	6,084.95
Deferred Credits	2,724.05	3,484.25
Surplus	9,858,912.71	9,314,933.94
TOTAL LIABILITIES AND SURPLUS	\$21,738,780.08	\$20,933,084.85

Parentheses denote red figure.

MUNICIPAL ELECTRIC SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1966-1965

OPERATING INCOME:	1966	1965
Operating Revenues—Electric	\$3,558,995.25	\$3,370,965.11
Other Revenues:		
Steam Sales	\$ 18,651.53	\$ 17,737.68
Miscellaneous	11,437.02	1,512.87
Total Other Electric Revenues	\$ 30,088.55	\$ 19,250.55
Total Operating Revenues	\$3,589,083.80	\$3,390,215.66
OPERATING EXPENSES:		
Production	\$1,766,853.41	\$1,685,775.88
Transmission and Distribution	150,289.29	146,314.77
Street Lighting	19,986.97	21,962.25
Consumers' Accounting and Collecting ..	102,178.02	95,951.19
Sales Expense	92.28	7,397.01
Administrative and General	217,338.90	202,085.03
Depreciation	526,081.54	575,641.94
Taxes on Property Outside the City	29,022.31	26,082.29
Uncollectible Revenues	1,205.00	874.45
Contributions to City in Lieu of Taxes	331,000.00	306,000.00
Total Operating Expenses	\$3,144,047.72	\$3,068,084.81
NET ELECTRIC OPERATING INCOME	\$ 445,036.08	\$ 322,130.85
OTHER INCOME:		
Non-operating Rents	\$ 1,200.00	\$ 1,200.00
Interest	99,379.79	67,242.85
Total Other Income	\$ 100,579.79	\$ 68,442.85
GROSS INCOME	\$ 545,615.87	\$ 390,573.70
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 8,433.33	\$ 10,273.34
Other Income Deductions	(19.69)	(33.04)
Total Income Deductions	\$ 8,413.64	\$ 10,240.30
NET INCOME TRANSFERRED TO SURPLUS	\$ 537,202.23	\$ 380,333.40

Parentheses denote red figure.

SURPLUS ACCOUNT

Surplus as at January 1, 1966	\$9,314,933.94
Add:	
Net Income—1966	537,202.23
Miscellaneous Contributions—City (Net)	6,776.54
Surplus as at December 31, 1966	\$9,858,912.71

MUNICIPAL ELECTRIC SYSTEM

OPERATING REVENUES — ELECTRIC

For the Years Ended December 31, 1966-1965

	1966		1965	
	K.W.H. Sold	Revenue	K.W.H. Sold	Revenue
Residential Sales	50,819,340	\$1,085,318.96	48,002,624	\$1,039,921.61
Commercial Sales	54,475,272	967,092.21	51,008,421	913,552.03
Industrial Sales	99,275,522	1,224,296.80	91,999,106	1,143,721.24
Public St. Lighting— Jamestown	2,166,215	72,886.34	2,088,735	71,850.04
Public St. Lighting— Other	435,960	27,118.44	377,866	25,802.64
Other Sales to City of Jamestown	9,630,540	121,964.74	9,028,342	119,908.23
Other Sales to Other Public Authorities ..	3,608,592	60,317.76	3,300,706	56,209.32
TOTAL	220,411,441	\$3,558,995.25	205,805,800	\$3,370,965.11

MISCELLANEOUS ELECTRIC REVENUES

	1966	1965
Value of Cinders Supplied to City— Department of Public Works	\$ 375.99	\$ 413.02
Value of Steam Supplied to City Departments ..	18,651.53	17,737.68
Meter Reconnection Charges	1,152.00	1,002.00
Temporary Service Charges	57.00	78.00
Pole Attachment Revenues	9,638.41	19.85
Other Miscellaneous Revenues	213.62	—
TOTAL	\$30,088.55	\$19,250.55

TAXES—DIRECT AND TAX EQUIVALENTS

	1966	1965
Town of Ellicott—State and County Tax	\$ 7,981.14	\$ 8,695.68
Town of Ellicott—School Tax	14,916.60	12,915.87
Villages of Celoron and Falconer—Village Tax	6,124.57	4,470.74
City of Jamestown—Contributions in Lieu of Taxes	331,000.00	306,000.00
TOTAL	\$360,022.31	\$332,082.29
Percentage to Electric Service Revenues	10.12	9.85

MUNICIPAL ELECTRIC SYSTEM

COMPARATIVE STATEMENT

Year	Total Electric Operating Revenues	Net Permanent Improvements and Extensions	Total K.W.H.		Average Cost Coal Burned Per Ton	Operation and Maintenance Cost with Depreciation and Interest	Surplus
			Generated	Purchased			
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

BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Electric System

December 31, 1966

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	1,840,000	460,000	8,433.33
			\$2,714,000	\$2,254,000	\$460,000	\$8,433.33

MUNICIPAL ELECTRIC SYSTEM

PRODUCTION STATISTICS

Year Ended December 31, 1966

Station Output and Costs:

Maximum System Demand—December 19, 10-11 A. M.	48,610 K.W.
Cost of Generation Including Power Plant Depreciation	\$1,820,346.54
Cost of Electricity Purchased	275,887.47
Purchased Electricity Expense	951.07
Total Production Cost	<u>\$2,097,185.08</u>

Fuel Consumed:

Kind of Fuel—Bituminous Coal	
Quantity Used for Generation	124,147.7 T.
Cost of Coal Consumed	\$966,160.32
Average Cost per Ton Consumed	\$7.78
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.08

Summary of Production and Sales:

K.W.H. Generated	230,775,900
K.W.H. Purchased	<u>19,937,153</u>
K.W.H. Generated and Purchased	250,713,053
Less: K.W.H. All Station Uses	<u>16,848,000</u>
K.W.H. Available for Distribution	<u><u>233,865,053</u></u>

	Customers End of Year	K.W.H.
Disposal of Energy:		
Residential Service	15,916	50,819,340
Commercial Service	3,084	54,475,272
Industrial Service	153	99,275,522
Street Lighting—Other Municipalities	5	435,960
Other Sales to Other Public Authorities	58	3,608,592
Used by City of Jamestown:		
Municipal Street Lighting	1	2,166,215
Other Municipal Purposes	102	9,630,540
Within Electric Department		<u>434,070</u>
Total Supplied and Used	<u>19,319</u>	<u>220,845,511</u>
Lost and Unaccounted For		<u>13,019,542</u>
Total to Balance		<u><u>233,865,053</u></u>

Per Cent of Lost and Unaccounted For	5.6%
1966 Average Units Used per Residential Customer	3,193 Hrs.
1966 Average Annual Residential Bill	\$68.19
1966 Residential Revenue per K.W.H.	2.14c
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, 1966**

MUNICIPAL WATER SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1966-1965

ASSETS		
Fixed Assets:	1966	1965
Water Plant in Service	\$4,599,992.82	\$4,459,135.63
Other Physical Property	3,847.05	3,847.05
Construction Work in Progress	613,214.81	400,531.25
Investments:		
Depreciation Fund	673,322.92	945,412.99
Current and Accrued Assets:		
Cash—General	25,568.25	22,886.00
Cash—Water Rebate Fund	10,444.00	13,578.00
Working Funds	83.29	83.29
Accounts Receivable—Consumers	96,934.11	93,317.82
Accounts Receivable—Miscellaneous	7,761.81	1,422.67
Receivables from Municipality	11,988.71	12,110.38
Interest Receivable	4,968.31	6,227.44
Material and Supplies	104,457.98	72,994.50
Prepayments	11,822.73	10,730.13
TOTAL ASSETS	<u>\$6,164,406.79</u>	<u>\$6,042,277.15</u>
LIABILITIES		
Current and Accrued Liabilities:		
Payables to Municipality	\$ 5,596.80	\$ 5,802.45
Accounts Payable	8,003.03	10,892.90
Customers' Deposits	10,535.00	13,619.00
Interest Accrued	.28	—
Wages Accrued	6,869.45	8,140.96
Other Current Liabilities	45,610.03	43,458.38
Reserves:		
Reserve for Depreciation of Water Plant	2,047,626.22	1,990,405.00
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	3,938,850.66	3,868,643.14
TOTAL LIABILITIES AND SURPLUS	<u>\$6,164,406.79</u>	<u>\$6,042,277.15</u>

MUNICIPAL WATER SYSTEM

OPERATING STATEMENT FOR THE YEARS ENDED

DECEMBER 31, 1966-1965

	1966	1965
OPERATING REVENUES:		
Sales of Water	\$651,599.67	\$642,812.65
Other Water Revenues	12,230.44	6,975.20
TOTAL OPERATING REVENUES	<u>\$663,830.11</u>	<u>\$649,787.85</u>
OPERATION AND MAINTENANCE:		
Source of Supply Expenses	\$ 19,159.81	\$ 21,087.19
Power and Pumping Expenses	145,637.71	147,920.59
Transmission and Distribution Expenses	96,320.62	91,407.63
Customers' Accounting & Collecting Expenses	30,572.22	29,546.49
Administrative and General Expenses	69,489.03	63,034.96
Depreciation	81,603.18	80,430.02
Operating Taxes—Outside City	32,626.00	33,476.10
Contributions to the City in Lieu of Taxes	155,000.00	155,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	<u>\$630,408.57</u>	<u>\$621,902.98</u>
NET OPERATING REVENUES	<u>\$ 33,421.54</u>	<u>\$ 27,884.87</u>
OTHER INCOME:		
Revenues from Depreciation Fund	\$ 36,787.76	\$ 46,433.68
TOTAL OTHER INCOME	<u>\$ 36,787.76</u>	<u>\$ 46,433.68</u>
GROSS INCOME	<u>\$ 70,209.30</u>	<u>\$ 74,318.55</u>
INCOME DEDUCTIONS:		
Interest on Consumers' Deposits	\$ 1.78	\$ —
TOTAL INCOME DEDUCTIONS	<u>\$ 1.78</u>	<u>\$ —</u>
NET INCOME	<u>\$ 70,207.52</u>	<u>\$ 74,318.55</u>

SURPLUS

Surplus as at January 1, 1966	\$3,868,643.14
Add: Net Income—December 31, 1966	70,207.52
Surplus as at December 31, 1966	<u>\$3,938,850.66</u>

MUNICIPAL WATER SYSTEM

OPERATING REVENUES

Year Ended December 31, 1966

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,416	841,153	\$307,933.82
Commercial Metered Sales	1,030	322,075	114,201.56
Industrial Metered Sales	112	525,984	165,066.77
Private Fire Protection—Metered	49	5,225	1,652.90
Private Fire Protection—Unmetered —	7		1,434.00
Public Fire Protection—City of Jamestown—Hydrant Rental	1		32,664.14
Public Fire Protection— Other Hydrant Rental	3		7,659.00
Other Sales to Public Authorities	32	11,893	4,520.68
Sales to Operating Municipality	52	53,667	16,466.80
TOTAL SALES OF WATER	<u>13,702</u>	<u>1,759,997</u>	<u>\$651,599.67</u>
Customers Forfeited Discounts			\$ 5,187.65
Merchandise and Jobbing			6,873.99
Service Reconnection Charges			111.00
Meter Repair Charges			57.80
TOTAL OTHER WATER REVENUES			<u>\$ 12,230.44</u>
TOTAL OPERATING REVENUES—WATER			<u>\$663,830.11</u>

*Each active service connection.

TAXES — DIRECT AND TAX EQUIVALENTS

1966-1965

	1966	1965
Town of Ellicott—State and County Tax	\$ 11,362.65	\$ 12,738.71
Towns of Ellicott and Poland—School Tax.....	17,726.09	17,458.28
Villages of Celoron and Falconer—Village Tax ..	3,537.26	3,279.11
City of Jamestown— Contributions in Lieu of Taxes	155,000.00	155,000.00
TOTAL	<u>\$187,626.00</u>	<u>\$188,476.10</u>
Percentage to Total Operating Revenues	<u>28.26%</u>	<u>29.01%</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

BONDED INDEBTEDNESS General City Bonds Issued for Purposes of the Water System December 31, 1966

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—	1966	1965
1960 Federal Census	49,400	49,400
Total Pumpage for Year—Gallons	2,243,660,000	2,164,558,000
Maximum Daily Consumption	7,955,000	7,295,000
Average Daily Pumpage—Gallons	6,147,014	5,930,378
Gallons per Day to Each Inhabitant on Total Pumpage	124.43	120.05
Water Supply—Wells in Use	19	19
Area of Water Shed—Square Miles	140	140
Coal Consumed for Pumping— Source of Supply	835,100 lbs.	1,327,640 lbs.
Number of Gallons Pumped per Pound of Coal—Primary Station	329.96	320.00
Number of Gallons Pumped per K.W.H. Electricity—Booster Station	942.43	951.00
Storage Reservoirs— Total Capacity in Gallons	11,500,000	6,500,000
Active Services—End of Year	13,582	13,499
Hydrants in Service—End of Year	1,102	1,098
Meters in Service—End of Year	14,164	14,333
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	153.417	151.944
Miles W. I., Ductile, Copper, and Transite Mains in Service—End of Year.....	15.451	15.678