BOARD OF PUBLIC UTILITIES

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1965

ANNUAL REPORT

FOR THE YEAR ENDING
DECEMBER 31, 1965

CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT 1965

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK

*

Board Membership — December 31, 1965

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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—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 buildng 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—New substations at New York Avenue and Dow Street, Falconer, 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—New No. 11 boiler (150,000 lbs. per hour capacity) was put in operation to provide full use of present generating facilities at all times at Steele Street Generating 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 Substation No. 14 and English Street Substation No. 13 placed in operation.
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—Construction started on five million gallon addition to English Hill Reservoir. Contracts let for No. 12 boiler (230,000 lbs. per hour capacity) at Samuel A. Carlson Electric Generating Station.

BOARD OF PUBLIC UTILITIES

CITY OF
JAMESTOWN, NEW YORK

February 7, 1966

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 1965 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, 1965

MUNICIPAL ELECTRIC SYSTEM

BALANCE SHEET OF DECEMBER 31, 1965-1964

ASSETS

	1965	1964
Fixed Assets:		
Operating Property — Electric	$17,887,546.61	$17,769,108.80
Construction Work in Progress	373,552.02	267,018.57
Non-operating Property	21,356.03	21,356.03
Investments:		
Miscellaneous Investments	1,079,160.88	1,070,354.85
Depreciation Reserve Fund—Cash	17,690.87	21,769.81
Depreciation Reserve Fund—Investments	866,650.32	342,270.69
Depreciation Reserve Fund—Interest Accrued	4,930.79	1,993.85
Current Assets:		
Cash—General	198,089.84	111,976.36
Working Funds	680.00	650.00
Material and Supplies	225,052.69	226,069.67
Receivables from Municipality	21,168.05	18,813.24
Accounts Receivable	226,066.86	195,307.87
Interest Accrued	8,265.99	11,570.99
Prepayments	13,959.84	21,041.91
Clearing Accounts	6,337.42	7,146.97
Miscellaneous Suspense	(17,423.36)	(17,119.21)
TOTAL ASSETS	$20,933,084.85	$20,069,330.40

LIABILITIES

	1965	1964
Long Term Debt:		
Bonds	$ 575,000.00	$ 690,000.00
Current and Accrued Liabilities:		
Payables to Municipality	2,092.49	181.11
Accounts Payable	147,821.67	109,768.46
Customers' Deposits	6,556.39	5,801.39
Interest Accrued	3,900.84	4,852.71
Advance Billings and Payments	109.10	109.10
Miscellaneous Current Liabilities	168,027.98	142,571.25
Reserves:		
Depreciation Reserve—		
Operating Property	10,508,535.40	9,999,185.56
Non-operating Property	18,181.70	17,706.02
Contributions for Extensions	178,356.14	156,092.43
Reserve for Uncollectible Accounts	6,084.95	4,957.57
Deferred Credits	3,484.25	4,244.45
Surplus	9,314,933.94	8,933,860.35
TOTAL LIABILITIES AND SURPLUS	$20,933,084.85	$20,069,330.40

Parentheses denote red figure.

MUNICIPAL ELECTRIC SYSTEM

OPERATING STATEMENT

For the Years Ended December 31, 1965-1964

	1965	1964
OPERATING INCOME:		
Operating Revenues—Electric	$3,370,965.11	$3,165,118.90
Other Revenues:		
Steam Sales	$ 17,737.68	$ 18,376.63
Miscellaneous	1,512.87	1,661.91
Total Other Electric Revenues	$ 19,250.55	$ 20,038.54
Total Operating Revenues	$3,390,215.66	$3,185,157.44
OPERATING EXPENSES:		
Production	$1,685,775.88	$1,552,193.42
Transmission and Distribution	146,314.77	119,176.17
Street Lighting	21,962.25	22,334.74
Consumers' Accounting and Collecting	95,951.19	88,181.31
Sales Expense	7,397.01	(554.30)
Administrative and General	202,085.03	186,813.54
Depreciation	575,641.94	564,771.18
Taxes on Property Outside the City	26,082.29	24,479.66
Uncollectible Revenues	874.45	3,538.58
Contributions to City in Lieu of Taxes	306,000.00	306,000.00
Total Operating Expenses	$3,068,084.81	$2,866,934.30
NET ELECTRIC OPERATING INCOME	$ 322,130.85	$ 318,223.14
OTHER INCOME:		
Non-operating Rents	$ 1,200.00	$ 1,200.00
Interest	67,242.85	39,677.84
Total Other Income	$ 68,442.85	$ 40,877.84
GROSS INCOME	$ 390,573.70	$ 359,100.98
INCOME DEDUCTIONS:		
Interest on Long Term Debt	$ 10,273.34	$ 12,113.33
Other Income Deductions	(33.04)	217.17
Total Income Deductions	$ 10,240.30	$ 12,330.50
NET INCOME TRANSFERRED TO SURPLUS	$ 380,333.40	$ 346,770.48

Parentheses denote red figure.

SURPLUS ACCOUNT

Surplus as at January 1, 1965	$8,933,860.35
Add:	
Net Income—1965	380,333.40
Miscellaneous Contributions—City (Net)	740.19
Surplus as at December 31, 1965	$9,314,933.94

MUNICIPAL ELECTRIC SYSTEM

OPERATING REVENUES — ELECTRIC

For the Years Ended December 31, 1965-1964

	1965		1964	
	K.W.H. Sold	Revenue	K.W.H. Sold	Revenue
Residential Sales	48,002,624	$1,039,921.61	45,103,052	$ 993,058.48
Commercial Sales	51,008,421	913,552.03	45,830,844	839,618.05
Industrial Sales	91,999,106	1,143,721.24	83,962,122	1,061,033.84
Public St. Lighting—Jamestown	2,088,735	71,850.04	1,926,885	75,145.07
Public St. Lighting—Other	377,866	25,802.64	351,460	23,335.84
Other Sales to City of Jamestown	9,028,342	119,908.23	8,765,284	120,085.69
Other Sales to Other Public Authorities	3,300,706	56,209.32	3,024,505	52,841.93
TOTAL	205,805,800	$3,370,965.11	188,964,152	$3,165,118.90

MISCELLANEOUS ELECTRIC REVENUES

	1965	1964
Value of Cinders Supplied to City—Department of Public Works	$ 413.02	$ 401.85
Value of Steam Supplied to City Departments	17,737.68	18,376.63
Meter Reconnection Charges	1,002.00	812.00
Temporary Service Charges	78.00	141.00
Other Miscellaneous Revenues	19.85	307.06
TOTAL	$19,250.55	$20,038.54

TAXES—DIRECT AND TAX EQUIVALENTS

	1965	1964
Town of Ellicott—State and County Tax	$ 8,695.68	$ 8,212.83
Town of Ellicott—School Tax	12,915.87	11,995.47
Villages of Celoron and Falconer—Village Tax	4,470.74	4,271.36
City of Jamestown—Contributions in Lieu of Taxes	306,000.00	306,000.00
TOTAL	$332,082.29	$330,479.66
Percentage to Electric Service Revenues	9.85	10.44

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
1961	2,864,899.91	269,907.87	188,702,235	7.59	2,519,121.65	7,952,639.85
1962	2,969,288.67	686,421.10	197,305,202	7.66	2,623,073.72	8,317,474.51
1963	3,062,673.42	176,246.63	204,252,928	7.59	2,817,069.90	8,588,807.24
1964	3,185,157.44	400,718.00	217,795,543	7.57	2,879,264.80	8,933,860.35
1965	3,390,215.66	118,437.81	235,386,178	7.62	3,078,325.11	9,314,933.94

BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Electric System

December 31, 1965

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	1,725,000	575,000	10,273.34
			$2,714,000	$2,139,000	$575,000	$10,273.34

MUNICIPAL ELECTRIC SYSTEM

PRODUCTION STATISTICS

Year Ended December 31, 1965

Station Output and Costs:	
Maximum System Demand—September 20, 1 - 2 P. M.	48,572 K.W.
Cost of Generation Including Power Plant Depreciation	$1,808,560.28
Cost of Electricity Purchased	261,725.57
Purchased Electricity Expense	892.55
Total Production Cost	$2,071,178.40
Fuel Consumed:	
Kind of Fuel—Bituminous Coal	
Quantity Used for Generation	117,865.55 T.
Cost of Coal Consumed	$898,119.39
Average Cost per Ton Consumed	$7.62
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.09
Summary of Production and Sales:	
K.W.H. Generated	216,447,700
K.W.H. Purchased	18,938,478
K.W.H. Generated and Purchased	235,386,178
Less: K.W.H. All Station Uses	16,481,200
K.W.H. Available for Distribution	218,904,978

Disposal of Energy:	Customers End of Year	K.W.H.
Residential Service	15,815	48,002,624
Commercial Service	3,054	51,008,421
Industrial Service	153	91,999,106
Street Lighting—Other Municipalities	5	377,866
Other Sales to Other Public Authorities	58	3,300,706
Used by City of Jamestown:		
Municipal Street Lighting	1	2,088,735
Other Municipal Purposes	109	9,028,342
Within Electric Department		414,847
Total Supplied and Used	19,195	206,220,647
Lost and Unaccounted For		12,684,331
Total to Balance		218,904,978

Per Cent of Lost and Unaccounted For	5.8%
1965 Average Units Used per Residential Customer	3,035 Hrs.
1965 Average Annual Residential Bill	$65.76
1965 Residential Revenue per K.W.H.	2.17¢
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, 1965

MUNICIPAL WATER SYSTEM

BALANCE SHEET AS OF DECEMBER 31, 1965-1964

ASSETS

	1965	1964
Fixed Assets:		
Water Plant in Service	$4,459,135.63	$4,322,627.63
Other Physical Property	3,847.05	3,847.05
Construction Work in Progress	400,531.25	56,926.89
Investments:		
Depreciation Fund	945,412.99	1,242,724.46
Current and Accrued Assets:		
Cash—General	22,886.00	43,294.01
Cash—Water Rebate Fund	13,578.00	17,491.00
Working Funds	83.29	83.29
Accounts Receivable—Consumers	93,317.82	97,511.55
Accounts Receivable—Miscellaneous	1,422.67	9,383.47
Receivables from Municipality	12,110.38	12,357.51
Interest Receivable	6,227.44	17,603.01
Material and Supplies	72,994.50	74,541.60
Prepayments	10,730.13	10,551.24
TOTAL ASSETS	$6,042,277.15	$5,908,942.71

LIABILITIES

	1965	1964
Current and Accrued Liabilities:		
Payables to Municipality	$ 5,802.45	$ 4,870.33
Accounts Payable	10,892.90	7,446.04
Customers' Deposits	13,619.00	17,522.00
Wages Accrued	8,140.96	6,414.35
Other Current Liabilities	43,458.38	34,993.10
Reserves:		
Reserve for Depreciation of Water Plant	1,990,405.00	1,941,955.54
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	21,102.54	21,203.98
Surplus	3,868,643.14	3,794,324.59
TOTAL LIABILITIES AND SURPLUS	$6,042,277.15	$5,908,942.71

MUNICIPAL WATER SYSTEM

OPERATING STATEMENT FOR THE YEARS ENDED DECEMBER 31, 1965-1964

	1965	1964
OPERATING REVENUES:		
Sales of Water	$642,812.65	$642,767.95
Other Water Revenues	6,975.20	12,827.45
TOTAL OPERATING REVENUES	$649,787.85	$655,595.40
OPERATION AND MAINTENANCE:		
Source of Supply Expenses	$ 21,087.19	$ 17,772.44
Power and Pumping Expenses	147,920.59	147,934.63
Transmission and Distribution Expenses	91,407.63	86,671.32
Customers' Accounting & Collecting Expenses	29,546.49	31,053.37
Administrative and General Expenses	63,034.96	53,873.95
Depreciation	80,430.02	73,514.25
Operating Taxes—Outside City	33,476.10	32,738.62
Contributions to the City in Lieu of Taxes	155,000.00	155,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	$621,902.98	$598,558.58
NET OPERATING REVENUES	$ 27,884.87	$ 57,036.82
OTHER INCOME:		
Interest Revenues	$ 46,433.68	$ 47,707.44
TOTAL OTHER INCOME	$ 46,433.68	$ 47,707.44
NET INCOME	$ 74,318.55	$104,744.26

SURPLUS

Surplus as at January 1, 1965	$3,794,324.59
Add: Net Income—December 31, 1965	74,318.55
Surplus as at December 31, 1965	$3,868,643.14

MUNICIPAL WATER SYSTEM

OPERATING REVENUES

Year Ended December 31, 1965

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,333	835,159	$305,756.35
Commercial Metered Sales	999	314,838	113,398.41
Industrial Metered Sales	115	513,278	159,446.45
Private Fire Protection—Metered	55	5,671	1,680.44
Private Fire Protection—Unmetered	6		1,482.00
Public Fire Protection—City of Jamestown—Hydrant Rental	1		32,500.62
Public Fire Protection—Other Hydrant Rental	3		7,598.13
Other Sales to Public Authorities	28	11,923	4,494.86
Sales to Operating Municipality *	49	53,682	16,455.39
TOTAL SALES OF WATER	13,589	1,734,551	$642,812.65

Customers Forfeited Discounts	$ 4,548.74
Merchandise and Jobbing	1,593.79
Service Reconnection Charges	48.00
Meter Repair Charges	784.67
TOTAL OTHER WATER REVENUES	$ 6,975.20
TOTAL OPERATING REVENUES—WATER	$649,787.85

*Each active service connection.

TAXES — DIRECT AND TAX EQUIVALENTS

1965-1964

	1965	1964
Town of Ellicott—State and County Tax	$ 12,738.71	$ 12,321.50
Town of Ellicott—School Tax	17,458.28	16,589.37
Villages of Celoron and Falconer—Village Tax	3,279.11	3,827.75
City of Jamestown—Contributions in Lieu of Taxes	155,000.00	155,000.00
TOTAL	$188,476.10	$187,738.62
Percentage to Total Operating Revenues	29.01%	28.64%

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
1961	583,208.87	103,498.12	2,010,821,000	572,378.92	3,491,128.36
1962	613,640.51	125,317.57	2,089,237,000	551,395.84	3,594,037.33
1963	622,774.80	144,048.55	2,111,640,000	585,611.80	3,689,580.33
1964	655,595.40	150,747.00	2,164,079,000	598,558.58	3,794,324.59
1965	649,787.85	136,508.00	2,164,558,000	621,902.98	3,868,643.14

BONDED INDEBTEDNESS
General City Bonds Issued for Purposes of the Water System
December 31, 1965

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

	1965	1964
Population Supplied— 1960 Federal Census	49,400	49,400
Total Pumpage for Year—Gallons	2,164,558,000	2,164,079,000
Maximum Daily Consumption	7,295,000	7,289,000
Average Daily Pumpage—Gallons	5,930,378	5,912,784
Gallons per Day to Each Inhabitant on Total Pumpage	120.05	119.7
Water Supply—Wells in Use	19	19
Area of Water Shed—Square Miles	140	140
Coal Consumed for Pumping— Source of Supply	1,327,640 lbs.	1,935,150 lbs.
Number of Gallons Pumped per Pound of Coal—Primary Station	320.00	263.41
Number of Gallons Pumped per K.W.H. Electricity—Booster Station	951.00	921.86
Storage Reservoirs— Total Capacity in Gallons	6,500,000	6,500,000
Active Services—End of Year	13,499	13,373
Hydrants in Service—End of Year	1,098	1,092
Meters in Service—End of Year	14,333	14,249
Percentage of Active Services—Metered	99.89%	99.87%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service— End of Year	151.944	149.846
Miles W. I. & Copper Mains in Service— End of Year	15.678	16.392