BOARD OF PUBLIC UTILITIES

1964
ANNUAL REPORT

FOR THE YEAR ENDING
DECEMBER 31, 1964

CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT 1964

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK

☆

Board Membership — December 31, 1964

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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 one and one-half million gallons capacity constructed.
1926—Motor-driven pumps installed in Buffalo Street Pumping Station.
1928—Ornamental street lighting system in central section of City completed.
1931—Electric system of Niagara, Lockport, and Ontario Power Company acquired by purchase.
1933—Harrison Street and Allen Street Substations completed.
1934—Warehouse and service building for use of electric utility completed.
1938—Power electrical generating capacity increased to 38,500 kilowatts by installation of a 15,000 K. W. turbo-generator. Electric rates reduced.
1941—3,000 k.v.a. unit type substation installed at 30 Jones & Gifford Ave.
1942—3,000 k.v.a. unit type substation installed at 254 Harrison Street. Contract entered into for sale of water with West Ellicott Water District No. 1.
1945—Contracted for 2 — 60,000 lb. per hr. boilers for electric plant. 196 — 15 k.v.a. capacitors installed.
1947—Supplemental system of seven 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.
1953—Schedule of increased electric rates made effective January 1, 1953.
1954—New substations at New York Avenue and Dow Street, Falconer, complete with transmission lines to new switchgear at Allen Street Substation.
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.

BOARD OF PUBLIC UTILITIES

CITY OF
JAMESTOWN, NEW YORK

DIVISION OF
WATER, LIGHT AND POWER

April 1, 1965

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 1964 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, 1964

BALANCE SHEET AS OF DECEMBER 31, 1964-1963

ASSETS

	1964	1963
Fixed Assets:		
Operating Property — Electric	$17,769,108.80	$17,368,390.80
Construction Work in Progress	267,018.57	304,832.25
Non-Operating Property	21,356.03	21,356.03
Investments:		
Miscellaneous Investments	1,070,354.85	712,208.63
Depreciation Reserve Fund — Cash	21,769.81	7,714.30
Depreciation Reserve Fund — Investments	342,270.69	99,757.33
Depreciation Reserve Fund — Interest Accrued	1,993.85	60.65
Special Construction Account — Project APW - NY - 197G	....	1,000.00
Current Assets:		
Cash — General	111,976.36	211,585.84
Working Funds	650.00	650.00
Material and Supplies	226,069.67	200,289.56
Receivables from Municipality	18,813.24	18,390.97
Accounts Receivable	195,307.87	192,630.38
Interest Accrued	11,570.99	8,746.57
Prepayments	21,041.91	27,337.50
Clearing Accounts	7,146.97	3,541.85
Miscellaneous Suspense	(17,119.21)	1,518.23
TOTAL ASSETS	$20,069,330.40	$19,180,010.89

LIABILITIES

	1964	1963
Long Term Debt:		
Bonds	$ 690,000.00	$ 805,000.00
Current and Accrued Liabilities:		
Payables to Municipality	181.11	193.35
Accounts Payable	109,768.46	109,982.09
Customers' Deposits	5,801,39	5,733.63
Interest Accrued	4,852.71	5,427.41
Advance Billings and Payments	109.10	109.10
Miscellaneous Current Liabilities	142,571.25	118,680.49
Reserves:		
Depreciation Reserve — Operating Property	9,999,185.56	9,444,965.34
Depreciation Reserve — Non-Operating Property	17,706.02	17,230.34
Contributions for Extensions	156,092.43	74,342.43
Reserve for Uncollectible Accounts	4,957.57	4,534.82
Deferred Credits	4,244.45	5,004.65
Surplus	8,933,860.35	8,588,807.24
TOTAL LIABILITIES AND SURPLUS	$20,069,330.40	$19,180,010.89

Parentheses denote red figure.

OPERATING STATEMENT

For the Years Ended December 31, 1964-1963

	1964	1963
OPERATING INCOME:		
Operating Revenues — Electric	$ 3,165,118.90	$ 3,042,521.43
Other Revenues:		
Steam Sales	$ 18,376.63	$ 18,375.78
Miscellaneous	1,661.91	1,776.21
Total Other Electric Revenues	$ 20,038.54	$ 20,151.99
Total Operating Revenues	$ 3,185,157.44	$ 3,062,673.42
OPERATING EXPENSES:		
Production	$ 1,552,193.42	$ 1,481,418.73
Transmission and Distribution	119,176.17	146,218.49
Street Lighting	22,334.74	21,264.33
Consumers' Accounting and Collecting	88,181.31	91,153.80
Sales Expense	(554.30)	2,573.05
Administrative and General	186,813.54	165,663.48
Depreciation	564,771.18	559,713.54
Taxes on Property Outside the City	24,479.66	23,174.11
Uncollectible Revenues	3,538.58	6,007.12
Contributions to City in Lieu of Taxes	306,000.00	306,000.00
Total Operating Expenses	$ 2,866,934.30	$ 2,803,186.65
NET ELECTRIC OPERATING INCOME	$ 318,223.14	$ 259,486.77
OTHER INCOME:		
Non-Operating Rents	$ 1,200.00	$ 1,200.00
Interest	39,677.84	24,686.81
Total Other Income	$ 40,877.84	$ 25,886.81
GROSS INCOME	$ 359,100.98	$ 285,373.58
INCOME DEDUCTIONS:		
Interest on Long Term Debt	$ 12,113.33	$ 13,953.33
Other Income Deductions	217.17	(70.08)
Total Income Deductions	$ 12,330.50	$ 13,883.25
NET INCOME TRANSFERRED TO SURPLUS	$ 346,770.48	$ 271,490.33

Parentheses denote red figure.

SURPLUS ACCOUNT

Surplus as at January 1, 1964	$ 8,588,807.24
Add:	
Net Income - 1964	346,770.48
	$ 8,935,577.72
Deduct:	
Miscellaneous Contributions — City (Net)	1,717.37
Surplus as at December 31, 1964	$ 8,933,860.35

OPERATING REVENUES — ELECTRIC

For the Years Ended December 31, 1964-1963

	1964		1963	
	K. W. H. Sold	Revenue	K. W. H. Sold	Revenue
Residential Sales	45,103,052	$ 993,058.48	42,972,588	$ 960,220.62
Commercial Sales	45,830,844	839,618.05	43,032,075	802,282.01
Industrial Sales	83,962,122	1,061,033.84	78,508,672	1,019,772.79
Public St. Lighting—Jamestown	1,926,885	75,145.07	1,883,935	72,346.34
Public St. Lighting—Other	351,460	23,335.84	340,620	21,765.70
Other Sales to City of Jamestown	8,765,284	120,085.69	8,184,988	116,492.29
Other Sales to Other Public Authorities	3,024,505	52,841.93	2,892,618	49,641.68
Total	188,964,152	$3,165,118.90	177,815,496	$3,042,521.43

MISCELLANEOUS ELECTRIC REVENUES

	1964	1963
Value of Cinders Supplied to City—Department of Public Works	$ 401.85	$ 247.46
Value of Steam Supplied to City Departments	18,376.63	18,375.78
Meter Reconnection Charges	812.00	1,256.00
Temporary Service Charges	141.00	135.00
Other Miscellaneous Revenues	307.06	137.75
TOTAL	$ 20,038.54	$ 20,151.99

TAXES — DIRECT AND TAX EQUIVALENTS

	1964	1963
Town of Ellicott — State and County Tax	$ 8,212.83	$ 8,170.43
Town of Ellicott — School Tax	11,995.47	10,924.16
Villages of Celoron and Falconer—Village Tax	4,271.36	4,079.52
City of Jamestown — Contrib. in Lieu of Taxes	306,000.00	306,000.00
TOTAL	$330,479.66	$ 329,174.11
Percentage to Electric Service Revenues	10.44	10.82

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

BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Electric System

December 31, 1964

Date of Issue	Maturity	Interest Rate Per Yr.	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	1,610,000	690,000.00	12,113.33
TOTAL			$2,714,000	$2,024,000	$690,000.00	$ 12,113.33

PRODUCTION STATISTICS

Year Ended December 31, 1964

Station Output and Costs:	
Maximum System Demand—December 21, 1964, 10-11 A.M.	44,220 K.W.
Cost of Generation Including Power Plant Depreciation	$1,700,852.72
Cost of Electricity Purchased	235,712.30
Purchased Electricity Expense	860.86
Total Production Cost	$1,937,425.88
Fuel Consumed:	
Kind of Fuel — Bituminous Coal	
Quantity Used for Generation	109,828.6 T.
Cost of Coal Consumed	$831,770.94
Average Cost per Ton Consumed	$7.57
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.11
Summary of Production and Sales:	
K.W.H. Generated	197,481,200
K.W.H. Purchased	20,314,343
K.W.H. Generated and Purchased	217,795,543
Less: K.W.H. All Station Uses	15,353,600
K.W.H. Available for Distribution	202,441,943

	Customers End of Year	K.W.H.
Disposal of Energy:		
Residential Service	15,769	45,103,052
Commercial Service	3,032	45,830,844
Industrial Service	153	83,962,122
Street Lighting—Other Municipalities	5	351,460
Other Sales to Other Public Authorities	58	3,024,505
Used by City of Jamestown:		
Municipal Street Lighting	1	1,926,885
Other Municipal Purposes	131	8,765,284
Within Electric Department		351,194
TOTAL SUPPLIED AND USED	19,149	189,315,346
Lost and Unaccounted for		13,126,597
TOTAL TO BALANCE		202,441,943

Per Cent of Lost and Unaccounted For	6.5%
1964 Average Units Used per Residential Customer	2,860 Hrs.
1964 Average Annual Residential Bill	$62.98
1964 Residential Revenue per K. W. H.	2.20¢
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, 1964

BALANCE SHEET AS OF DECEMBER 31, 1964-1963

ASSETS

	1964	1963
FIXED ASSETS:		
Water Plant in Service	$ 4,322,627.63	$ 4,171,880.63
Other Physical Property	3,847.05	3,847.05
Construction Work in Progress	56,926.89	49,031.42
INVESTMENTS:		
Depreciation Fund	1,242,724.46	1,247,888.19
CURRENT AND ACCRUED ASSETS:		
Cash — General	43,294.01	46,172.53
Cash — Water Rebate Fund	17,491.00	19,300.00
Working Funds	83.29	83.29
Accounts Receivable — Consumers	97,511.55	86,091.01
Accounts Receivable — Miscellaneous	9,383.47	3,058.90
Receivables from Municipality	12,357.51	27,187.69
Interest Receivable	17,603.01	20,739.51
Material and Supplies	74,541.60	58,844.35
Prepayments	10,551.24	9,965.06
TOTAL ASSETS	$ 5,908,942.71	$ 5,744,089.63

LIABILITIES

	1964	1963
CURRENT AND ACCRUED LIABILITIES:		
Payables to Municipality	$ 4,870.33	$ 4,572.76
Accounts Payable	7,446.04	3,422.73
Customers' Deposits	17,522.00	19,331.00
Wages Accrued	6,414.35	1,684.23
Other Current Liabilities	34,993.10	29,350.83
RESERVES:		
Reserve for Depreciation of Water Plant	1,941,955.54	1,893,780.71
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	21,203.98	22,154.26
Surplus	3,794,324.59	3,689,580.33
TOTAL LIABILITIES AND SURPLUS	$ 5,908,942.71	$ 5,744,089.63

OPERATING STATEMENT

For the Years Ended December 31, 1964-1963

		1964		1963
OPERATING REVENUES:				
Sales of Water	$	642,767.95	$	616,858.22
Other Water Revenues		12,827.45		5,916.58
TOTAL OPERATING REVENUES	$	655,595.40	$	622,774.80
OPERATION AND MAINTENANCE:				
Source of Supply Expenses	$	17,772,44	$	22,226.06
Power and Pumping Expenses		147,934.63		142,165.39
Transmission and Distribution Expenses		86,671.32		88,551.15
Customers Accounting & Collecting Expenses		31,053.37		30,279.83
Administrative and General Expenses		53,873.95		46,478.63
Depreciation		73,514.25		69,618.06
Operating Taxes — Outside City		32,738.62		31,292.68
Contributions to the City in Lieu of Taxes		155,000.00		155,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	$	598,558.58	$	585,611.80
NET OPERATING REVENUES	$	57,036.82	$	37,163.00
OTHER INCOME:				
Interest Revenues	$	47,707.44	$	43,832.28
TOTAL OTHER INCOME	$	47,707.44	$	43,832.28
NET INCOME	$	104,744.26	$	80,995.28

SURPLUS

Surplus as at January 1, 1964	$3,689,580.33
Add: Net Income—December 31, 1964	104,744.26
Surplus as at December 31, 1964	$3,794,324.59

OPERATING REVENUES

Year Ended December 31, 1964

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,327	822,269	$300,706.39
Commercial Metered Sales	983	294,966	106,082.88
Industrial Metered Sales	113	560,332	170,783.29
Private Fire Protection—Metered	49	7,462	2,294.43
Private Fire Protection—Unmetered	9		1,963.20
Public Fire Protection—City of Jamestown—Hydrant Rental	1		32,084.25
Public Fire Protection—Other Hydrant Rental	4		7,425.00
Other Sales to Public Authorities	28	11,490	4,304.78
Sales to Operating Municipality *	47	56,404	17,123.73
TOTAL SALES OF WATER	13,561	1,752,923	$642,767.95

Customers' Forfeited Discounts	$ 4,602.13
Merchandise and Jobbing	7,699.28
Service Reconnection Charges	108.00
Meter Repair Charges	418.04
TOTAL OTHER WATER REVENUES	$ 12,827.45
TOTAL OPERATING REVENUES — WATER	$655,595.40

* Each active service connection.

TAXES — DIRECT AND TAX EQUIVALENTS

1964-1963

	1964	1963
Town of Ellicott—State and County Tax	$ 12,321.50	$ 12,310.63
Town of Ellicott—School Tax	16,589.37	15,305.70
Villages of Celoron and Falconer—Village Tax	3,827.75	3,676.35
City of Jamestown—Contributions in Lieu of Taxes	155,000.00	155,000.00
TOTAL	$187,738.62	$186,292.68
Percentage to Total Operating Revenues	28.64%	29.91%

COMPARATIVE STATEMENT

Year	Total Water Operating Revenues	Net Permanent Improvements and Extensions	Gallons Pumped	Operation and Maintenance Cost with Depreciation and Interest	Surplus
1920	$149,890.85	$208,152.99	1,207,682,800	$103,409.71	$ 974,435.07
1930	296,319.04	164,798.75	1,204,295,000	136,148.31	1,951,980.97
1940	221,747.62	(6,714.88)	1,170,089,000	189,323.12	1,565,006.89
1950	425,738.75	82,500.33	1,679,684,000	285,995.55	2,395,014.26
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

BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Water System
December 31, 1964

Date of Issue	Maturity	Interest Rate Per Yr.	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	$	$

SUMMARY OF STATISTICS

	1964	1963
Population Supplied—1960 Federal Census	49,400	49,400
Total Pumpage for Year — Gallons	2,164,079,000	2,111,640,000
Maximum Daily Consumption	7,289,000	7,845,000
Average Daily Pumpage — Gallons	5,912,784	5,785,315
Gallons per Day to Each Inhabitant on Total Pumpage	119,7	117.4
Water Supply — Wells In Use	19	19
Area of Water Shed — Square Miles	140	140
Coal Consumed for Pumping — Source of Supply	1,935,150 lbs.	2,726,200 lbs.
Number of Gallons Pumped per Pound of Coal—Primary Station	263.41	331.18
Number of Gallons Pumped per K. W. H. Electricity — Booster Station	921.86	925.50
Storage Reservoirs—Total Capacity in Gallons	6,500,000	6,500,000
Active Services—End of Year	13,373	13,324
Hydrants in Service—End of Year	1,092	1,079
Meters in Service—End of Year	14,249	14,208
Percentage of Active Services—Metered	99.87%	99.87%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service—End of Year	149.846	148.042
Miles W. I. & Copper Mains in Service End of Year	16.392	16.896