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BOARD OF PUBLIC UTILITIES

1963
ANNUAL REPORT

FOR THE YEAR ENDING
DECEMBER 31, 1963



CITY OF JAMESTOWN, NEW YORK

ANNUAL REPORT

1963

BOARD OF PUBLIC UTILITIES
CITY OF JAMESTOWN
NEW YORK



Board Membership—December 31, 1963

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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 St.
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.
1950—Replaced pressure parts of three boilers at Cassadaga Valley Pumping Station.
1951—20,000 K. W. extension to Steele Street Station, three new substations and connecting underground conduit and transmission system completed and placed in operation. 6 m. g. d. turbine-driven pump installed to replace 5 m. g. d. pump at Cassadaga Valley Pumping Station.
1953—Schedule of increased electric rates made effective January 1, 1953.
1954—New substations at New York Avenue and Dow Street, Falconer, complete with transmission lines to new switchgear at Allen Street Substation.
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.

BOARD OF PUBLIC UTILITIES
CITY OF
JAMESTOWN, NEW YORK

DIVISION OF
WATER, LIGHT AND POWER

April 15, 1964

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 1963 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

A N N U A L R E P O R T

of the

M U N I C I P A L E L E C T R I C S Y S T E M

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1963**

BALANCE SHEET AS OF DECEMBER 31, 1963-1962

ASSETS

Fixed Assets:	1963	1962
Operating Property — Electric	\$17,368,390.80	\$17,192,144.17
Construction Work in Progress	304,832.25	71,384.29
Non-Operating Property	21,356.03	21,356.03
Investments:		
Miscellaneous Investments	712,208.63	556,353.39
Depreciation Reserve Fund — Cash	7,714.30	31,544.92
Depreciation Reserve Fund — Investments	99,757.33	49,312.00
Depreciation Reserve Fund — Interest Accrued	60.65	.....
Special Construction Account — Project APW - NY - 197G	1,000.00	.....
Current Assets:		
Cash — General	211,585.84	110,822.24
Working Funds	650.00	650.00
Material and Supplies	200,289.56	216,425.54
Receivables from Municipality	18,390.97	18,527.07
Accounts Receivable	192,630.38	181,976.89
Interest Accrued	8,746.57	5,100.43
Prepayments	27,337.50	12,577.25
Clearing Accounts	3,541.85	259.71
Miscellaneous Suspense	1,518.23	206.73
TOTAL ASSETS	<u><u>\$19,180,010.89</u></u>	<u><u>\$18,468,640.66</u></u>

LIABILITIES

Long Term Debt:		
Bonds	\$ 805,000.00	\$ 920,000.00
Current and Accrued Liabilities:		
Payables to Municipality	193.35	486.24
Accounts Payable	109,982.09	92,905.03
Customers' Deposits	5,733.63	5,123.31
Interest Accrued	5,427.41	6,320.87
Advance Billings and Payments	109.10	109.10
Miscellaneous Current Liabilities	118,680.49	111,720.78
Reserves:		
Depreciation Reserve — Operating Property	9,444,965.34	8,914,037.62
Depreciation Reserve — Non-Operating Property	17,230.34	16,754.66
Contributions for Extensions	74,342.43	74,342.43
Reserve for Uncollectible Accounts	4,534.82	3,601.26
Deferred Credits	5,004.65	5,764.85
Surplus	8,588,807.24	8,317,474.51
TOTAL LIABILITIES AND SURPLUS	<u><u>\$19,180,010.89</u></u>	<u><u>\$18,468,640.66</u></u>

OPERATING STATEMENT

For the Years Ended December 31, 1963-1962

OPERATING INCOME:	1963	1962
Operating Revenues — Electric	\$ 3,042,521.43	\$ 2,949,319.58
Other Revenues:		
Steam Sales	\$ 18,375.78	\$ 18,308.31
Miscellaneous	1,776.21	1,660.78
Total Other Electric Revenues	\$ 20,151.99	\$ 19,969.09
Total Operating Revenues	\$ 3,062,673.42	\$ 2,969,288.67
OPERATING EXPENSES:		
Production	\$ 1,481,418.73	\$ 1,349,657.17
Transmission and Distribution	146,218.49	111,973.56
Street Lighting	21,264.33	23,844.29
Consumers' Accounting and Collecting	91,153.80	87,105.77
Sales Expense	2,573.05	3,642.34
Administrative and General	165,663.48	158,888.21
Depreciation	559,713.54	540,583.47
Taxes on Property Outside the City	23,174.11	22,691.13
Uncollectible Revenues	6,007.12	2,807.70
Contributions to City in Lieu of Taxes	306,000.00	306,000.00
Total Operating Expenses	\$ 2,803,186.65	\$ 2,607,193.64
NET ELECTRIC OPERATING INCOME	\$ 259,486.77	\$ 362,095.03
OTHER INCOME:		
Non-Operating Rents	\$ 1,200.00	\$ 2,000.00
Interest	24,686.81	15,315.76
Total Other Income	\$ 25,886.81	\$ 17,315.76
GROSS INCOME	\$ 285,373.58	\$ 379,410.79
INCOME DEDUCTIONS:		
Interest on Long Term Debt	\$ 13,953.33	\$ 15,793.34
Other Income Deductions	(70.08)	86.74
Total Income Deductions	\$ 13,883.25	\$ 15,880.08
NET INCOME TRANSFERRED TO SURPLUS	\$ 271,490.33	\$ 363,530.71

SURPLUS ACCOUNT

Surplus as at January 1, 1963	\$ 8,317,474.51
Add:	
Net Income - 1963	271,490.33
	\$ 8,588,964.84
Deduct:	
Miscellaneous Contributions — City (Net)	157.60
Surplus as at December 31, 1963	\$ 8,588,807.24

OPERATING REVENUES — ELECTRIC

For the Years Ended December 31, 1963-1962

	1963		1962	
	K. W. H. Sold	Revenue	K. W. H. Sold	Revenue
Residential Sales	42,972,588	\$ 960,220.62	40,875,430	\$ 926,906.88
Commercial Sales	43,032,075	802,282.01	41,482,304	779,542.26
Industrial Sales	78,508,672	1,019,772.79	75,826,848	1,002,234.28
Public St. Lighting— Jamestown	1,883,935	72,346.34	1,871,960	66,607.44
Public St. Lighting— Other	340,620	21,765.70	312,020	21,070.84
Other Sales to City of Jamestown	8,184,988	116,492.29	7,761,244	107,450.76
Other Sales to Other Public Authorities	2,892,618	49,641.68	2,577,862	45,507.12
Total	<u>177,815,496</u>	<u>\$3,042,521.43</u>	<u>170,707,668</u>	<u>\$2,949,319.58</u>

MISCELLANEOUS ELECTRIC REVENUES

	1963	1962
Value of Cinders Supplied to City— Department of Public Works	\$ 247.46	\$ 209.22
Value of Steam Supplied to City Departments	18,375.78	18,308.31
Meter Reconnection Charges	1,256.00	1,247.43
Temporary Service Charges	135.00	114.00
Other Miscellaneous Revenues	137.75	90.13
TOTAL	<u>\$ 20,151.99</u>	<u>\$ 19,969.09</u>

TAXES — DIRECT AND TAX EQUIVALENTS

	1963	1962
Town of Ellicott — State and County Tax	\$ 8,170.43	\$ 8,159.79
Town of Ellicott — School Tax	10,924.16	10,537.07
Villages of Celoron and Falconer—Village Tax....	4,079.52	3,994.27
City of Jamestown — Contrib. in Lieu of Taxes	306,000.00	306,000.00
TOTAL	<u>\$ 329,174.11</u>	<u>\$ 328,691.13</u>
Percentage to Electric Service Revenues	<u>10.82</u>	<u>11.14</u>

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

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BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Electric System

December 31, 1963

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	1,495,000	805,000.00	13,953.33
TOTAL			\$2,714,000	\$1,909,000	\$805,000.00	\$ 13,953.33

PRODUCTION STATISTICS

Year Ended December 31, 1963

Station Output and Costs:

Maximum System Demand—December 16, 1963, 10-11 A. M.	42,243 K.W.
Cost of Generation Including Power Plant Depreciation	\$1,650,791.22
Cost of Electricity Purchased	214,873.99
Purchased Electricity Expense	1,015.71
Total Production Cost	<u>\$1,866,680.92</u>

Fuel Consumed:

Kind of Fuel — Bituminous Coal	
Quantity Used for Generation	99,652.6 T.
Cost of Coal Consumed	\$755,900.46
Average Cost per Ton Consumed	\$7.59
Pounds of Coal per Kilowatt Hour (Gross Generation)	1.06

Summary of Production and Sales:

K.W.H. Generated	187,249,000
K.W.H. Purchased	17,003,928
K.W.H. Generated and Purchased	204,252,928
Less: K.W.H. All Station Uses	14,956,500
K.W.H. Available for Distribution	<u>189,296,428</u>

	Customers End of Year	K.W.H.
Disposal of Energy:		
Residential Service	15,730	42,972,588
Commercial Service	3,018	43,032,075
Industrial Service	152	78,508,672
Street Lighting—Other Municipalities	5	340,620
Other Sales to Other Public Authorities	59	2,892,618
Used by City of Jamestown:		
Municipal Street Lighting	1	1,883,935
Other Municipal Purposes	137	8,184,988
Within Electric Department		394,223
TOTAL SUPPLIED AND USED	19,102	178,209,719
Lost and Unaccounted for		11,086,709
TOTAL TO BALANCE		<u>189,296,428</u>

Per Cent of Lost and Unaccounted For	5.9%
1963 Average Units Used per Residential Customer	2,732 Hrs.
1963 Average Annual Residential Bill	\$61.04
1963 Residential Revenue per K. W. H.	2.23¢
Population of Localities Served—1960 Federal Census	51,650

A N N U A L R E P O R T

of the

M U N I C I P A L W A T E R S Y S T E M

of the

**CITY OF JAMESTOWN
NEW YORK**



**FOR THE YEAR ENDED
DECEMBER 31, 1963**

BALANCE SHEET AS OF DECEMBER 31, 1963-1962

ASSETS

	1963	1962
FIXED ASSETS:		
Water Plant in Service	\$4,171,880.63	\$4,027,832.08
Other Physical Property	3,847.05	3,847.05
Construction Work in Progress	49,031.42	26,684.87
INVESTMENTS:		
Depreciation Fund	1,247,888.19	1,283,265.75
CURRENT AND ACCRUED ASSETS:		
Cash — General	46,172.53	40,620.64
Cash — Water Rebate Fund	19,300.00	19,804.00
Working Funds	83.29	83.29
Accounts Receivable — Consumers	86,091.01	85,381.54
Accounts Receivable — Miscellaneous	3,058.90	2,648.79
Receivables from Municipality	27,187.69	12,530.03
Interest Receivable	20,739.51	13,604.56
Material and Supplies	58,844.35	71,670.83
Prepayments	9,965.06	8,746.09
TOTAL ASSETS	<u><u>\$5,744,089.63</u></u>	<u><u>\$5,596,719.52</u></u>

LIABILITIES

CURRENT AND ACCRUED LIABILITIES:		
Payables to Municipality	\$ 4,572.76	\$ 3,666.36
Accounts Payable	3,422.73	4,508.00
Customers' Deposits	19,331.00	19,835.00
Wages Accrued	1,684.23	1,312.26
Other Current Liabilities	29,350.83	29,356.00
RESERVES:		
Reserve for Depreciation of Water Plant	1,893,780.71	1,841,637.53
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....	22,154.26	22,154.26
Surplus	3,689,580.33	3,594,037.33
TOTAL LIABILITIES AND SURPLUS	<u><u>\$5,744,089.63</u></u>	<u><u>\$5,596,719.52</u></u>

OPERATING STATEMENT FOR THE YEARS ENDED DECEMBER 31, 1963-1962

	1963	1962
OPERATING REVENUES:		
Sales of Water	\$ 616,858.22	\$ 608,245.92
Other Water Revenues	5,916.58	5,394.59
TOTAL OPERATING REVENUES	<u>\$ 622,774.80</u>	<u>\$ 613,640.51</u>
OPERATION AND MAINTENANCE:		
Source of Supply Expenses	\$ 22,226.06	\$ 15,606.39
Power and Pumping Expenses	142,165.39	129,108.85
Transmission and Distribution Expenses	88,551.15	74,909.25
Customers Accounting & Collecting Expenses....	30,279.83	28,315.06
Administrative and General Expenses	46,478.63	38,615.95
Depreciation	69,618.06	78,721.58
Operating Taxes — Outside City	31,292.68	31,118.76
Contributions to the City in Lieu of Taxes	155,000.00	155,000.00
TOTAL OPERATING REVENUE DEDUCTIONS	<u>\$ 585,611.80</u>	<u>\$ 551,395.84</u>
NET OPERATING REVENUES	<u>\$ 37,163.00</u>	<u>\$ 62,244.67</u>
OTHER INCOME:		
Interest Revenues	\$ 43,832.28	\$ 40,664.30
TOTAL OTHER INCOME	<u>\$ 43,832.28</u>	<u>\$ 40,664.30</u>
NET INCOME	<u>\$ 80,995.28</u>	<u>\$ 102,908.97</u>

SURPLUS

Surplus as at January 1, 1963	\$3,594,037.33
Add: Net Income—December 31, 1963	80,995.28
Contribution from Municipality	14,547.72
Surplus as at December 31, 1963	<u><u>\$3,689,580.33</u></u>

OPERATING REVENUES

Year Ended December 31, 1963

Item	Number of Customers	No. of M Gals. Sold	Revenue
Residential Metered Sales	12,282	836,624	\$295,471.16
Commercial Metered Sales	981	285,994	102,943.48
Industrial Metered Sales	113	499,103	153,581.97
Private Fire Protection—Metered	44	7,736	2,422.00
Private Fire Protection—Unmetered	14		2,010.00
Public Fire Protection—City of Jamestown—Hydrant Rental	1		31,756.10
Public Fire Protection—Other Hydrant Rental	4		7,387.50
Other Sales to Public Authorities	28	10,325	3,885.60
Sales to Operating Municipality	49	56,758	17,400.41
TOTAL SALES OF WATER	13,516	1,696,540	\$616,858.22
Customers' Forfeited Discounts			\$ 4,484.56
Merchandise and Jobbing			615.89
Service Reconnection Charges			57.00
Meter Repair Charges			759.13
TOTAL OTHER WATER REVENUES			\$ 5,916.58
TOTAL OPERATING REVENUES — WATER			\$622,774.80

* Each active service connection.

TAXES — DIRECT AND TAX EQUIVALENTS

	1963-1962	1963	1962
Town of Ellicott—State and County Tax		\$ 12,310.63	\$ 12,429.02
Town of Ellicott—School Tax		15,305.70	15,096.11
Villages of Celoron and Falconer—Village Tax		3,676.35	3,593.63
City of Jamestown—Contributions in Lieu of Taxes....		155,000.00	155,000.00
TOTAL		\$186,292.68	\$186,118.76
Percentage to Total Operating Revenues		29.91%	30.33%

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	(6,714.86)	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

BONDED INDEBTEDNESS

General City Bonds Issued for Purposes of the Water System

December 31, 1963

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

	1963	1962
Population Supplied—1960 Federal Census	49,400	49,400
Total Pumpage for Year — Gallons	2,111,640,000	2,089,237,000
Maximum Daily Consumption	7,845,000	7,135,000
Average Daily Pumpage — Gallons	5,785,315	5,723,937
Gallons per Day to Each Inhabitant on Total Pumpage	117.4	115.9
Water Supply — Wells In Use	19	19
Area of Water Shed — Square Miles	140	140
Coal Consumed for Pumping — Source of Supply	2,726,200 lbs.	2,678,100 lbs.
Number of Gallons Pumped per Pound of Coal— Primary Station	331.18	400.16
Number of Gallons Pumped per K. W. H. Electricity — Booster Station	925.50	951.25
Storage Reservoirs—Total Capacity in Gallons	6,500,000	6,500,000
Active Services—End of Year	13,324	13,256
Hydrants in Service—End of Year	1,079	1,067
Meters in Service—End of Year	14,208	14,105
Percentage of Active Services—Metered	99.87%	99.86%
Range of Pressure in Mains—Lbs.	30 to 140	30 to 140
Miles Cast Iron Mains in Service—End of Year	148.042	146.315
Miles W. I. & Copper Mains in Service End of Year	16.896	17.231