

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



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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	21,356.03	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><u>345,231.95</u></u>	<u><u>490,492.07</u></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><u>\$10,698,058.36</u></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	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	2,070,000	230,000	4,753.34
			<u>\$2,714,000</u>	<u>\$2,484,000</u>	<u>\$230,000</u>	<u>\$4,753.34</u>

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>\$9,118,246.72</u>	<u>\$6,353,492.39</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>\$9,118,246.72</u>	<u>\$6,353,492.39</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