

Erie County Water Authority
 Preliminary and Annual Capital Budget - 2019
 Statement of Resources & Summary of Appropriations

	2019 BUDGET REQUEST	INCREASE OR DECREASE	2019 PRELIM BUDGET	INCREASE OR DECREASE	2019 ANNUAL BUDGET
<u>Resources:</u>					
REVENUE FUND:					
AVAIL FROM 2019 OPER.AND MAINT. BUDGET	18,295,576	4,057,530	22,353,106	0	22,353,106
OTHER FUNDS:					
CASH RESTRICTED FOR FUTURE CONSTR.	17,916,734	1,128,488	19,045,222	0	19,045,222
TOTAL RESOURCES:	36,212,310	5,186,018	41,398,328	0	41,398,328

Appropriations Summarized:

1010 Sturgeon Point Plant	961,400	586,400-	375,000	0	375,000
1015 Van De Water Plant	756,506	232,000-	524,506	0	524,506
1020 Control Operations	354,100	0	354,100	0	354,100
1025 Instrumentation	455,766	0	455,766	0	455,766
1030 Water Quality Assurance	40,000	0	40,000	0	40,000
1090 Transportation & Auto Equip	529,500	0	529,500	0	529,500
2020 UFPO	60,000	0	60,000	0	60,000
2090 Distribution Mains	1,600,000	0	1,600,000	0	1,600,000
2510 Eng/Const Sturgeon Point	700,000	653,000	1,353,000	0	1,353,000
2520 Eng/Const Control	7,030,000	1,300,000-	5,730,000	0	5,730,000
2590 Eng/Const Distribution Mains	9,180,000	140,000	9,320,000	0	9,320,000
2595 Eng/Const Transmission Mains	9,380,000	5,880,000	15,260,000	0	15,260,000
3070 Facilities	857,500	0	857,500	0	857,500
4040 Meter Shop	2,317,655	343-	2,317,312	0	2,317,312
8525 Information Technology	1,984,883	636,761	2,621,644	0	2,621,644
Total Appropriations:	36,207,310	5,191,018	41,398,328	0	41,398,328

 Excess (Deficit) of Resources Over Appropriations

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Unit: 1010 Sturgeon Point Plant									
CAT.: EQUIP Equipment									
101363	N	0	0	0	363,000	363,000-	0	0	0
PLC HARDWARE INSTALLED 1995 IS OBSOLETE AND IS HAS NO TECHNICAL SUPPORT. PLC UPGRADING ALLOWS FOR IMPROVED NETWORKING WITH SCADA Estimated Useful Life: 10 Years									
101377		0	0	0	175,000	0	175,000	0	175,000
REPLACEMENT HIGH SERVICE PU N REPLACEMENT OF HIGH SERVICE 4 OR 5. PUMP REPLACEMENT AND MOTOR REBUILD. SCHEDULING ONE PUMP PER YEAR. Estimated Useful Life: 20 Years									
101378	N	0	0	0	45,000	45,000-	0	0	0
FLASH MIXERS (4) REPLACE THE MIXING SHAFT IN EACH FLASH MIXER Estimated Useful Life: 10 Years									
101379	N	0	0	0	50,000	0	50,000	0	50,000
HIGH SERVICE CONE VALVES CONE VALVES HIGH SERVICE ARE #2 AND #7 Estimated Useful Life: 15 Years									
101380		0	0	0	55,000	0	55,000	0	55,000
SAFETY PERMANENT EYEWASH/SH D INSTALL EYEWASH AND SHOWER UNITS TO MEET OSHA / PESH OSHA REQUIRES WATER BE A TEPID SUPPLY Estimated Useful Life: 25 Years									
101398	N	0	0	0	95,000	0	95,000	0	95,000
HACH TURBIDITMETERS HACH 1720E TURBIDIMETERS BE OBOSOLET, WITH NO TECHNICAL SERVICE NOR MAINTENACE. TURBIDIMETERS ARE REQUIRED BY NYSDOH AND EPA TO MEET TURBIDITY RULE Estimated Useful Life: 15 Years									
101407	D	0	0	0	75,000	75,000-	0	0	0
PILOT PLANT UPGRADE PLACE PILOT PLANT SERVICE FOR JOINT STUDIES REQUIRES UPGRADING INSTRUMENTS, CHEMICAL PUMPS AND SCADA PLC AND PROGRAM Estimated Useful Life: 15 Years									
CAT.: LAND Land									
101284	N	0	0	0	48,400	48,400-	0	0	0
RESIDUAL PROCESS AND LAGOON LAGOON DEWATERING AND SLUDGE STORAGE REQUIRES RE-DESIGN SLUDGE PROCESS -DEWATERING. ENGINEERING DESIGN Estimated Useful Life: 50 Years									
CAT.: STRCT Buildings&Structures									
101364	D	0	0	0	55,000	55,000-	0	0	0
FILTER CEILING REPLACEMENT DESIGN, REPLACEMENT NTERIOR CEILING IN THE FILTER AREA AND IMPROVE VENTILATION Estimated Useful Life: 20 Years									

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Unit: 1010 Sturgeon Point Plant								
TOTAL Sturgeon Point Plant				961,400	586,400-	375,000	0	375,000

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Unit: 1015 Van De Water Plant									
CAT.: EQUIP Equipment									
101299		37,000	0	37,000	122,870	90,000	212,870	0	212,870
		SECURITY IMPROVMENTS VDW RA D REPLACE VDW RAW WATER GATE.WITH AUTOMATED OPERATOR,CAMERAS, CALL BOX.. Estimated Useful Life: 20 Years							
101382	N	0	0	0	20,000	0	20,000	0	20,000
		SCISSOR LIFT SCISSOR LIFT IS USED REACH PLANT VALVES AND LIGHTING Estimated Useful Life: 25 Years							
101383	D	0	0	0	290,000	290,000-	0	0	0
		PLC UPGRADE PLANT PLC HARDWARE IS 15 YEARS OLD, EQUIPMENT IS OBSOLET AND LACKS TECHNICAL SUPPORT.TECHNICAL SUPPORT. PLC UPGRADING ALLOWS FOR IMPROVED NETWORKING WITH SCADA SYSTEMS Estimated Useful Life: 15 Years							
101399	N	0	0	0	95,000	0	95,000	0	95,000
		HACH TURBIDIMETERS HACH 1720E TURBIDIMETERS BE OBOSOLET, WITH NO TECHNICAL SERVICE NOR MAINTENACE. TURBIDIMETERS ARE REQUIRED BY AND EPA TO MEET TURBIDITY RULE Estimated Useful Life: 15 Years							
101405	N	0	0	0	22,000	0	22,000	0	22,000
		POTASIUM PERMANGNATE MIXERS TWO POTASSIUM PERMANGNATE MIXERS ARE 35+ YEARS. REPLACEMENTS NEEDED Estimated Useful Life: 35 Years							
101406	N	0	0	0	32,000	32,000-	0	0	0
		RAW WATER AND HIGH SERVICE CRANES NEED REPLACING WITH VFD AND CONTROLS Estimated Useful Life: 30 Years							
101415	D	0	0	0	55,000	0	55,000	0	55,000
		SAFETY PERMANENT EYEWASH/SH INSTALL EYEWASH AND SHOWER UNITS TO MEET OSHA / PESH OSHA REQUIRES WATER BE A TEPID SUPPLY Estimated Useful Life: 25 Years							
CAT.: STRCT Buildings&Structures									
101244	N	66,000	5,935	60,064	119,636	0	119,636	0	119,636
		SLUDGE PLANT STUDY VAN DE WATER SLUDGE PLANT IS NEARING 40 YEARS OF SERVICE. EQUIPMENT. THE SLUDGE PRESS, FILTER PAK COMPRESSOR, AND PUMPS REQUIRE MAJOR UPGRADES. A STUDY IS TO EVALUATE NEW TECHNOLOGY FOR PROCESSING SLUDGE RESIDUALS PRODUCE FROM THE TREATMENT OF DRINKING WATER. Estimated Useful Life: 40 Years							
TOTAL Van De Water Plant					756,506	232,000-	524,506	0	524,506

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Unit: 1020 Control Operations									
CAT.: EQUIP Equipment									
101371		0	0	0	71,200	0	71,200	0	71,200
		REPLACE GOULD MODEL 3405 (OBSOLETE) WITH GOULD MODEL 3410 PUMPS INCLUDING MOTOR AND BASEAT EAST AURORA PUMPING STATION: Estimated Useful Life: 20 Years							
101372		0	0	0	91,800	0	91,800	0	91,800
		REPLACE CLARK STATION P2 & N REPLACE TWO PUMPS AND MOTORS AT CLARK PUMPING STATION: 4907 CLARK STREET, HAMBURG, NY 14075. EXISTING PUMP MODEL IR 8LR-14A Estimated Useful Life: 20 Years							
101373		0	0	0	98,000	0	98,000	0	98,000
		CL2 SYS AT PIH.SCALES AT OT N INSTALL CHLORINE BOOSTER STATION AT PIPELINE HILL PUMPING S TATION. ADD DAY TANK SCALE AND WEIGHT INDICATOR FOR G ARTMAN AND WOHLHUETER CHLORINE ADDITION SYSTEMS. ADD SCALE A ND ULTRASONIC LIQUID LEVEL TRANSMITTER FOR TREVETT CHLORINE ADDITION SYSTEM. Estimated Useful Life: 20 Years							
101374		0	0	0	14,700	0	14,700	0	14,700
		REPLACE TREVETT TANK RECIRC N REPLACE TREVETT TANK WATER RECIRCULATION SYSTEM LOCATED NEAR 10062 TREVETT ROAD CONCORD NY Estimated Useful Life: 20 Years							
101375		0	0	0	19,400	0	19,400	0	19,400
		4IH SUBMERSIBLE TANK RECIRC N INSTALL SOLAR SUBMERSIBLE TANK RECIRCULTING PUMP WITH ELECTRICAL AND CONTROL AT PINE HILL TANK. Estimated Useful Life: 20 Years							
101376		0	0	0	59,000	0	59,000	0	59,000
		TANK CIRCULATING SYS GART/ N INSTALL A RECIRCULATING PUMP WITH STARTER, SS PIPING, HEAT TRACE AND INSULATION AT GARTMAN AND EAST AURORA PUMPING STATIONS. Estimated Useful Life: 20 Years							
TOTAL Control Operations					354,100	0	354,100	0	354,100

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Unit: 1025 Instrumentation								
CAT.: EQUIP Equipment								
101365	HHS PUMP 1, 2, & 3 VFD UPGR N	0	0	0	142,876	0	142,876	142,876
	EXISTING ALTIVAR 58 VFD'S ARE OBSOLETE & DESIGN DOES NOT MEET CURRENT ECWA VFD STANDARD DESIGN. UPGRADE EXISTING DRIVE CABINETS TO CURRENT DESIGN INCLUDING LATEST ALTIVAR 630 VFD'S. Estimated Useful Life: 10 Years							
101366	HHS AUTOMATIC TRANSFER SWIT N	0	0	0	120,078	0	120,078	120,078
	INSTALL AUTOMATIC TRANSFER SWITCH (ATS) TO CONNECT TO EXISTING 300KW PORTABLE GENERATOR TO ENABLE AUTOMATIC ELECTRIC POWER BACKUP. INSTALLATION WILL ALLOW FOR INSTALLATION OF FUTURE PERMANENT GENERATOR. Estimated Useful Life: 20 Years							
101367	AURORA PS GEN & AUTO XFER S N	0	0	0	48,062	0	48,062	48,062
	DUE TO THE LACK OF DOWNSTREAM STATIC WATER PRESSURE, UPON LOSS OF ELECTRIC POWER, CUSTOMERS SERVED BY THIS STATION IMMEDIATELY LOSE WATER PRESSURE. THIS SITUATION PERSISTS UNTIL ECWA PERSONNEL CAN GET ON LOCATION TO MANUALLY CONNECT A PORTABLE GENERATOR. PROPOSED INSTALLATION OF AN ATS AND GENERATOR WILL AUTOMATE THIS PROCESS AND KEEP CUSTOMERS IN SERVICE. Estimated Useful Life: 20 Years							
101368	ELLIS PS GEN & AUTO XFER SW N	0	0	0	40,719	0	40,719	40,719
	DUE TO THE LACK OF DOWNSTREAM STATIC WATER PRESSURE, UPON LOSS OF ELECTRIC POWER, CUSTOMERS SERVED BY THIS STATION IMMEDIATELY LOSE WATER PRESSURE. THIS SITUATION PERSISTS UNTIL ECWA PERSONNEL CAN GET ON LOCATION TO MANUALLY CONNECT A PORTABLE GENERATOR. PROPOSED INSTALLATION OF AN ATS AND GENERATOR WILL AUTOMATE THIS PROCESS AND KEEP CUSTOMERS IN SERVICE. Estimated Useful Life: 20 Years							
101369	STURGEON POINT - LIGHTING U N	0	0	0	54,686	0	54,686	54,686
	UPGRADE THE EXISTING LIGHTING TO LED Estimated Useful Life: 10 Years							
101370	VAN DE WATER-LIGHTING UPGR N	0	0	0	49,345	0	49,345	49,345
	RAW WATER, HIGH BAY LIGHTING, FLOCCULATION LIGHTING UPGRADE TO LED. Estimated Useful Life: 10 Years							
TOTAL Instrumentation					455,766	0	455,766	455,766

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Unit: 1030 Water Quality Assurance									
CAT.: EQUIP Equipment									
101269	WATER QUALITY MONITORING EQ I	275,000	11,852	263,148	40,000	0	40,000	0	40,000
	MULTIPARAMETER WATER QUALITY EQUIPMENT PANELS TO MONITOR AND OPTIMIZE SYSTEM CORROSION CONTROL THROUGH ENHANCED SCADA, REAL-TIME MONITORING AND DATA COLLECTION AT 12 PUMP STATIONS IN THE DISTRIBUTION SYSTEM.INCLUDES INSTALLATION COSTS. Estimated Useful Life: 10 Years								
TOTAL Water Quality Assurance				40,000	0	40,000	0	40,000	

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Unit: 1090 Transportation & Auto Equip									
CAT.: VEHCL Autos & Trucks									
101384	N	0	0	0	75,000	0	75,000	0	75,000
VEHICLE 008 REPLACE 2012 CLASS IV MAINTENANCE TRUCK WITH SERVICE BODY USED BY PRODUCTION MAINTENANCE UNIT WITH SIMILAR VEHICLE Estimated Useful Life: 7 Years									
101385	N	0	0	0	142,000	0	142,000	0	142,000
VEHICLE 061 REPLACE 2009 INTERNATIONAL LINE TRUCK USED BY LINE MAINTENANCE W/ SIMILAR VEHICLE Estimated Useful Life: 10 Years									
101386	N	0	0	0	32,000	0	32,000	0	32,000
VEHICLE 063 REPLACE 2011 FORD E150 PASSENGER VAN USED BY VDW CREW WITH SIMILAR VEHICLE Estimated Useful Life: 7 Years									
101387	N	0	0	0	70,000	0	70,000	0	70,000
VEHICLE 068 REPLACE 2013 CLASS IV MAINTENANCE TRUCK W/ SERVICE BODY AND CRANE USED BY THE METER SHOP WITH SIMILAR VEHICLE Estimated Useful Life: 6 Years									
101388	N	0	0	0	70,000	0	70,000	0	70,000
VEHICLE 069 REPLACE 2013 CLASS IV MAINTENANCE TRUCK W/SERVICE BODY AND CRANE USED BY THE HYDRANTS AND VALVES UNIT WITH SIMILAR VEHICLE Estimated Useful Life: 6 Years									
101389	N	0	0	0	32,000	0	32,000	0	32,000
VEHICLE 702 REPLACE 2010 FELLING FT-30 TRAILER USED BY LINE MAINTENANCE WITH SIMILAR VEHICLE Estimated Useful Life: 8 Years									
101390	N	0	0	0	15,000	0	15,000	0	15,000
VEHICLE 711 REPLACE 2000 KAUFMAN UTILITY TRAILER USED BY PRODUCTION MAINTENANCE DEPARTMENT WITH SIMILAR VEHICLE Estimated Useful Life: 15 Years									
101391	D	0	0	0	6,000	0	6,000	0	6,000
VEHICLE 600 TRADE 2018 BOBCAT EXCAVATOR USED BY LINE MAINTENANCE FOR SIMILAR VEHICLE Estimated Useful Life: 15 Years									
101392	D	0	0	0	4,500	0	4,500	0	4,500
VEHICLE 903 TRADE 2018 BOBCAT TRACK LOADER USED BY PRODUCTION MAINTENANCE UNIT FOR SIMILAR VEHICLE Estimated Useful Life: 15 Years									
101393	N	0	0	0	18,000	0	18,000	0	18,000
VEHICLE 712 ADD TO FLEET A 16' ENCLOSED BOX TRAILER FOR USE IN THE PRODUCTION MAINTENANCE UNIT. THIS TRAILER WILL BE PREPARED WITH EQUIPMENT AND TOOLS NECESSARY TO RESPOND AND REACT QUICKLY TO ECWA EMERGENCIES. Estimated Useful Life: 10 Years									

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Unit: 1090 Transportation & Auto Equip									
101394 VEHICLE 803	N	0	0	0	65,000	0	65,000	0	65,000
ADD TO FLEET A FORK LIFT FOR USE IN THE SERVICE CENTER. STURGEON POINT CURRENTLY USES A 1994 FORK LIFT WHICH IS AT THE END OF ITS USEFUL SERVICE LIFE. WE WILL REPLACE THE HEAVILY USED UNIT AT THE SERVICE CENTER WITH A SIMILAR VEHICLE AND CASCADE THE SERVICE CENTER 2009 FORK LIFT UNIT FOR USE AT STURGEON POINT. Estimated Useful Life: 15 Years									
TOTAL Transportation & Auto Equip					529,500	0	529,500	0	529,500

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Unit: 2020 UFPO									
CAT.: ADMIN Admin Infrastructure									
101404	TRIMBLE LEAK DETECTION PILO D	0	0	0	60,000	0	60,000	0	60,000
	LEAK DETECTION PILOT PROGRAM WHICH INCLUDES REMOTE EVENT MONITORING UNITS, CELLULAR DATA TRANSMITTERS, ANALYTICS SOFTWARE AND GIS DATA INTEGRATION. 30-DAY TRIAL COSTS \$8000 AND INCLUDES ALL HARDWARE AND SOFTWARE SETUP. FEE WILL BE CREDITED TOWARDS PACKAGE PURCHASE IF PROGRAM IS SUCCESSFUL. Estimated Useful Life: 5 Years								
TOTAL UFPO					60,000	0	60,000	0	60,000

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Unit: 2090 Distribution Mains										
CAT.: HYDS Hydrants										
100583	FIRE HYDRANTS	N	280,000	46,707	233,292	280,000	0	280,000	0	280,000
	NEW AND REPLACEMENT FIRE HYDRANTS									
	Estimated Useful Life: 50 Years									
CAT.: MAINS Water Mains										
100585	VALVES AND APPURTENANCES	N	150,000	35,457	114,542	150,000	0	150,000	0	150,000
	VALVES AND APPURTENANCES AND UNANTICIPATED REPLACEMENTS DUE TO BREAKAGE									
	Estimated Useful Life: 50 Years									
100586	MISC DISTRIBUTION MAINS	N	400,000	1,224,715	824,716-	1,000,000	0	1,000,000	0	1,000,000
	MISC DISTRIBUTION MAINS									
	Estimated Useful Life: 75 Years									
CAT.: SVCS Services										
100584	SERVICES	N	170,000	48,556	121,443	170,000	0	170,000	0	170,000
	SERVICE PIPES AND SERVICE INSTALLATIONS IN ECWA									
	Estimated Useful Life: 50 Years									
TOTAL Distribution Mains					1,600,000	0	1,600,000	0	1,600,000	

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Unit: 2510 Eng/Const Sturgeon Point									
CAT.: EQUIP Equipment									
101015	I	950,000	544,212	405,787	290,000	0	290,000	0	290,000
CONTRACT NC-34 STURGEON POINT TREATMENT PLANT RAW WATER SCREENS RAW WATER PUMP DISCHARGE PIPING, VALVES, AND SLUICE GATES BUILDING IMPROVEMENTS Estimated Useful Life: 50 Years									
101122	I	400,000	147,490	252,509	410,000	120,000-	290,000	0	290,000
CONTRACT OBG-12A FILTER VALVES, PIPING, FLOURIDE TANKS AND POTASSIUM PERMANGANATE TANKS Estimated Useful Life: 50 Years									
101429	D	0	0	0	0	653,000	653,000	0	653,000
PLC UPGRADES/REPLACEMENTS PLC HARDWARE INSTALLED IN 1995 IS OBSOLETE AND HAS NO TECHNICAL SUPPORT. PLC UPGRADING ALLOWS FOR IMPROVED NETWORKING WITH SCADA Estimated Useful Life: 10 Years									
101430	I	0	0	0	0	120,000	120,000	0	120,000
CONTRACT OBG-12C FILTER GALLERY Estimated Useful Life: 50 Years									
TOTAL Eng/Const Sturgeon Point					700,000	653,000	1,353,000	0	1,353,000

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Unit: 2520 Eng/Const Control											
CAT.: EQUIP Equipment											
101268	NC-35	ELECTRICAL SUBSTATION I	1,300,000	46,825	1,253,175	6,180,000	1,300,000-	4,880,000	0	4,880,000	
		DESIGN AND COSNTRUCTION OF NEW ELECTRICAL SUBSTATION FOR BALL PUMP STATION, TOWN OF AMHERST. Estimated Useful Life: 50 Years									
101358	GHD-007	GUENTHER REHAB	I	250,000	0	250,000	370,000	0	370,000	0	370,000
		DESIGN Estimated Useful Life: 50 Years									
CAT.: STRCT Buildings&Structures											
101357	W31	- BALL NORTH STORAGE TA	I	125,000	0	125,000	130,000	0	130,000	0	130,000
		REPLACEMENT OF BALL NORTH STORAGE TANK Estimated Useful Life: 50 Years									
101359	MP-80	BALL PUMP STATION STU	I	125,000	0	125,000	100,000	0	100,000	0	100,000
		Estimated Useful Life: 50 Years									
101426	INFRASTRUCTURE STUDY		N	0	0	0	250,000	0	250,000	0	250,000
		LARGE SCALE STUDY OF ECWA INFRASTRUCTURE Estimated Useful Life: 50 Years									
TOTAL Eng/Const Control					7,030,000	1,300,000-	5,730,000	0	5,730,000		

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Unit: 2590 Eng/Const Distribution Mains									
CAT.: MAINS Water Mains									
101188	N	1,800,000	783	1,799,217	860,000	140,000	1,000,000	0	1,000,000
		BETTERMENTS PAVEMENT RD, LNTN BURMON DR, OPTN Estimated Useful Life: 75 Years							
101348		100,000	0	100,000	2,770,000	0	2,770,000	0	2,770,000
		GP-007 WATERLINE REPLACEMEN I WATERLINE REPLACEMENT - DPVL,WSTN Estimated Useful Life: 75 Years							
101349		100,000	0	100,000	2,890,000	0	2,890,000	0	2,890,000
		CPL-004 WATERLINE REPLACEME I WATERLINE REPLACEMENT - CLTN Estimated Useful Life: 75 Years							
101350	I	100,000	12,006	87,994	2,260,000	0	2,260,000	0	2,260,000
		WSA-013 VALVE REPLACEMENT LARGE DIAMETER VALVE REPLACEMENT IN VARIOUS MUNICIPALITIES Estimated Useful Life: 75 Years							
101409	N	0	0	0	100,000	0	100,000	0	100,000
		WATERLINE REPLACEMENT PROJE Estimated Useful Life: 75 Years							
101410	N	0	0	0	100,000	0	100,000	0	100,000
		WATERLINE REPLACEMENT PROJE Estimated Useful Life: 75 Years							
101411	N	0	0	0	100,000	0	100,000	0	100,000
		WATERLINE REPLACEMENT PROJE Estimated Useful Life: 75 Years							
101412	N	0	0	0	100,000	0	100,000	0	100,000
		WATERLINE REPLACEMENT PROJE Estimated Useful Life: 75 Years							
TOTAL Eng/Const Distribution Mains					9,180,000	140,000	9,320,000	0	9,320,000

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Unit: 2595 Eng/Const Transmission Mains										
CAT.: MAINS Water Mains										
101267	W-027	TRANSMISSION MAIN REP I	1,400,000	43,622	1,356,377	4,370,000	0	4,370,000	0	4,370,000
		36 IN TRANSMISSION MAIN REPLACEMENT - AMTN								
		Estimated Useful Life: 75 Years								
101351	CH-010	TRANSMISSION MAIN REP I	100,000	0	100,000	4,390,000	0	4,390,000	0	4,390,000
		24 IN TRANSMISSION MAIN REPLACEMENT - CHTN								
		Estimated Useful Life: 75 Years								
101352	NC-38	TRANSMISSION MAIN REP N	100,000	0	100,000	300,000	0	300,000	0	300,000
		48 IN TRANSMISSION MAIN REPLACEMENT - AMTN								
		Estimated Useful Life: 75 Years								
101362	W-30	TRANSMISSION MAIN REPL N	6,000,000	0	6,000,000	120,000	5,880,000	6,000,000	0	6,000,000
		36 IN TRANSMISSION MAIN REPLACEMENT - AMTN								
		Estimated Useful Life: 75 Years								
101413	RTE 5	TRANSMISSION MAIN REP N	0	0	0	100,000	0	100,000	0	100,000
		RTE 5 TRANSMISSION MAIN REPLACEMENT BETWEEN RT 179 AND LAKE								
		AVE/NYS DOT MILL AND OVERLAY								
		Estimated Useful Life: 75 Years								
101414		TRANSMISSION MAIN REPLACEMENT	0	0	0	100,000	0	100,000	0	100,000
		Estimated Useful Life: 75 Years								
TOTAL Eng/Const Transmission Mains					9,380,000	5,880,000	15,260,000	0	15,260,000	

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Unit: 3070 Facilities									
CAT.: STRCT Buildings&Structures									
101334		250,000	0	250,000	262,500	0	262,500	0	262,500
DESIGN OF SERVICE CENTER RE N TO FUND AN ENGINEERING/ARCHITECTURAL FIRM TO DESIGN THE IMPROVEMENTS TO THE OFFICE PORTION OF THE SERVICE CENTER Estimated Useful Life: 30 Years									
101336		0	0	0	225,000	0	225,000	0	225,000
ADDITION TO BUILDING SEVEN N TO CONSTRUCT AN ADDITION TO BUILDING SEVEN (STONE SHED) TO ACCOMMODATE THE STORAGE OF SALT AND COLD PATCH. Estimated Useful Life: 30 Years									
101395		0	0	0	150,000	0	150,000	0	150,000
BOILER REPLACEMENT N TO REPLACE FIVE MID 1980'S BOILERS WITH NEW HIGH EFFICEINCY BOILERS AT SERVICE CENTER. Estimated Useful Life: 30 Years									
101396		0	0	0	200,000	0	200,000	0	200,000
REPLACE HEAT PUMP CONTROL S N TO REPLACE THE JOHNSON AND MCQUAY HEAT TEMPERATURE CONTROL SYSTEMS. THE CURRENT EQUIPMENT IS NEAR THE END OF ITS USEFUL LIFE, PERFORMING ERRATICALLY, AND DIFFICULT TO PROCURE REPLACEMENT PARTS Estimated Useful Life: 20 Years									
101397		0	0	0	20,000	0	20,000	0	20,000
SIDEWALK EXTENSION D TO EXTEND THE SIDEWALK THAT ENTERS THE SERVICE CENTER FROM UNION ROAD TO THE ENTRANCE OF THE BIKE PATH AT THE NORTH EAST CORNER OF THE SERVICE CENTER PROERTY. CURRENTLY WE HAVE PEDESTRIANS AND BIKERS ACCESSING THE BIKE PATH THROUGH THE SERVICE CENTER PARKING AREA CREATING AN UNINTENDED HAZZARD. A SIDEWALK EXTENSION BEHIND THE GUARD RAIL WILL IMPROVE SAFETY. Estimated Useful Life: 20 Years									
TOTAL Facilities					857,500	0	857,500	0	857,500

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Unit: 4040 Meter Shop										
CAT.: METER Meters										
101011	METER REPLACEMENT LABOR	N	485,647	211,457	274,190	417,655	343-	417,312	0	417,312
	ALL LABOR/VEHICLE EXPENSE FOR REPLACING/INSTALLING METERS									
	Estimated Useful Life: 20 Years									
101060	METER REPLACEMENTS	N	1,820,350	394,791	1,425,559	1,900,000	0	1,900,000	0	1,900,000
	METER PURCHASES TO REPLACE 5/8" THRU 10" METERS AND									
	REGISTERS									
	Estimated Useful Life: 20 Years									
TOTAL Meter Shop					2,317,655	343-	2,317,312	0	2,317,312	

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Unit: 8525 Information Technology									
CAT.: ADMIN Admin Infrastructure									
101062		0	0	0	50,000	0	50,000	0	50,000
		PURCHASE OF SYSTEM SOFTWARE N NEW SERVER BASED SYSTEM SOFTWARE ON IBM POWERSYSTEMS AND/OR MICROSOFT SERVER PLATFORMS THAT WILL BE DEPLOYED AUTHORITY-WIDE TO IMPROVE SECURITY, PRODUCTIVITY, EFFICIENCY AND SUPPORT ECWA OPERATIONS. Estimated Useful Life: 5 Years							
101063		100,000	57,634	42,365	50,000	0	50,000	0	50,000
		NETWORK TECHNOLOGY HARDWARE N NEW TECHNOLOGY EQUIPMENT TO UPGRADE SC, ES, STP, AND VDW LOCAL AREA NETWORKS. Estimated Useful Life: 5 Years							
101416		0	0	0	413,600	48,391	461,991	0	461,991
		TELEPHONE SYSTEM REPLACEMEN N REPLACE TELEPHONE SYSTEM HARDWARE AND SOFTWARE CONNECTING 4 LOCATIONS. EXISTING SYSTEM INSTALLED IN 2014. CALL RECORDING, CALL ACCOUNTING, CALL CENTER MANAGEMENT, VOICE MAIL AND BACKUP SERVERS WILL BE REPLACE. Estimated Useful Life: 5 Years							
101417		0	0	0	220,260	0	220,260	0	220,260
		VIDEO SECURITY SYSTEM REPLA N REPLACE EXISTING VIDEO SECURITY SYSTEM WITH STATE OF THE ART HARDWARE. Estimated Useful Life: 5 Years							
101418		0	0	0	500,000	0	500,000	0	500,000
		CIS/ERP N REPLACE CURRENT CIS/ERP SYSTEMS WITH OFF THE SHELF PACKAGES. Estimated Useful Life: 10 Years							
101419		0	0	0	87,945	0	87,945	0	87,945
		FILE RETRIEVAL SOFTWARE N REPLACE EXISTING FILE RETRIEVAL SYSTEM WITH LEGAL FILES, AN OFF THE SHELF SOFTWARE PACKAGE. Estimated Useful Life: 10 Years							
101421		0	0	0	34,600	0	34,600	0	34,600
		VISITOR MANAGEMENT SYSTEM N HARDWARE AND SOFTWARE USED TO TRACK INDIVIDUALS VISITING VARIOUS ECWA LOCATIONS. Estimated Useful Life: 5 Years							
101425		0	0	0	45,000	0	45,000	0	45,000
		WEB DESIGN AND DEVELOPMENT N WEBSITE DESIGN AND DEVELOPMENT Estimated Useful Life: 5 Years							
101427		0	0	0	50,000	0	50,000	0	50,000
		AUTOMATION CHANGE MNGMT SOF N MDT AUTOMATION CHANGE MANAGEMENT SOFTWARE TO TRACK PLC CODE UPDATES IN THE PRODUCTION SCADA SYSTEM. INCLUDES SOFTWARE, DEVELOPMENT AND TRAINING Estimated Useful Life: 5 Years							

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Unit: 8525 Information Technology									
CAT.: EQUIP Equipment									
101420		0	0	0	100,781	0	100,781	0	100,781
		PROPERTY SURVEILLANCE ENHAN N ADDITIONAL OUTDOOR CAMERAS ALL ECWA LOCATIONS. Estimated Useful Life: 5 Years							
101422		0	0	0	255,297	588,370	843,667	0	843,667
		PLANT AUTOMATION SCADA UPGR N REPLACE EXISTING PHOENIX CONTACT SWITCHES WITH CISCO MANAGED SWITCHES. REPLACEMENT OF OUTDATE PLC'S, PANEL RECONFIGURATION, ESTABLISHING UNIQUE IP'S AND IFIX PROGRAM MODIFICATIONS. Estimated Useful Life: 7 Years							
101423		0	0	0	34,000	0	34,000	0	34,000
		VEHICLE CONNECTIVITY PILOT N PILOT PROGRAM TO EQUIP 10 TRUCKS WITH VERIZON CONNECTED ROUTERS TO ENSURE CONNECTIVITY TO ECWA'S SOFTWARE SYSTEMS. Estimated Useful Life: 5 Years							
101424		0	0	0	143,400	0	143,400	0	143,400
		BOARD MEETING AUDIO VIDEO P N CAMERAS AND AUDIO EQUIPMENT TO RECORD AND SIMULCAST BOARD AND COMMITTEE MEETINGS. Estimated Useful Life: 5 Years							
TOTAL Information Technology					1,984,883	636,761	2,621,644	0	2,621,644

GRAND TOTAL		36,337,288	9,442,120	26,895,167	36,207,310	5,191,018	41,398,328	0	41,398,328

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Category	Description	Unit	2019 Budget Request	Increase or Decrease	2019 Prelim Budget	Increase or Decrease	2019 Annual Budget
ADMIN	Admin Infrastructure						
		2020	60,000		60,000		60,000
		8525	1,451,405	48,391	1,499,796		1,499,796
		Sub Total:	1,511,405	48,391	1,559,796		1,559,796
EQUIP	Equipment						
		1010	858,000	483,000-	375,000		375,000
		1015	636,870	232,000-	404,870		404,870
		1020	354,100		354,100		354,100
		1025	455,766		455,766		455,766
		1030	40,000		40,000		40,000
		2510	700,000	653,000	1,353,000		1,353,000
		2520	6,550,000	1,300,000-	5,250,000		5,250,000
		8525	533,478	588,370	1,121,848		1,121,848
		Sub Total:	10,128,214	773,630-	9,354,584		9,354,584
HYDS	Hydrants						
		2090	280,000		280,000		280,000
		Sub Total:	280,000		280,000		280,000
LAND	Land						
		1010	48,400	48,400-			
		Sub Total:	48,400	48,400-			
MAINS	Water Mains						
		2090	1,150,000		1,150,000		1,150,000
		2590	9,180,000	140,000	9,320,000		9,320,000
		2595	9,380,000	5,880,000	15,260,000		15,260,000
		Sub Total:	19,710,000	6,020,000	25,730,000		25,730,000
METER	Meters						
		4040	2,317,655	343-	2,317,312		2,317,312
		Sub Total:	2,317,655	343-	2,317,312		2,317,312
STRCT	Buildings&Structures						
		1010	55,000	55,000-			
		1015	119,636		119,636		119,636
		2520	480,000		480,000		480,000
		3070	857,500		857,500		857,500

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Category	Description	Unit	2019 Budget Request	Increase or Decrease	2019 Prelim Budget	Increase or Decrease	2019 Annual Budget
		Sub Total:	1,512,136	55,000-	1,457,136		1,457,136
SVCS	Services	2090	170,000		170,000		170,000
		Sub Total:	170,000		170,000		170,000
VEHCL	Autos & Trucks	1090	529,500		529,500		529,500
		Sub Total:	529,500		529,500		529,500
		Grand Total:	36,207,310	5,191,018	41,398,328		41,398,328