

City of Canandaigua Sewer System Capital Plan - Infrastructure and Related Equipment - 2010 - 2028

12

County	City	Project	Final 2014	Budget 2015	2015 Activity	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Totals
0.0%	100.0%	Sewer Main Replacement:																	
		Lakeshore Drive																	-
		Total	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-



Beginning Balance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Contribution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ending Balance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
City - 100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
County - 0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Contribution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



50.0%	50.0%	Collection System:																	
		Charlotte Street Sewer		-															47,396
50.0%	50.0%	Other Sewer Work	-	175,000	-				200,000			200,000			200,000				775,000
		Total	-	175,000	-	-	-	-	200,000	-	-	200,000	-	-	200,000	-	-	-	822,396



Beginning Balance	144,000.00	216,000	216,000	288,000	350,000	412,000	474,000	336,000	398,000	460,000	322,000	384,000	446,000	308,000	370,000	432,000			
Conitubition	72,000.00	72,000	72,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	1,355,392	
Purchases	-	(175,000)	-	-	-	-	(200,000)	-	-	(200,000)	-	-	(200,000)	-	-	-	-	(820,392)	
Ending Balance	216,000.00	113,000	288,000	350,000	412,000	474,000	336,000	398,000	460,000	322,000	384,000	446,000	308,000	370,000	432,000	494,000			
City - 50%	36,000.00	36,000	36,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	677,696	
County - 50%	36,000.00	36,000	36,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	31,000	677,696	
Total Contribution	72,000.00	72,000	72,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	62,000	1,355,392	



		Facility Improvements:																	
41.0%	59.0%	EFC Existing Debt	120,182.51	118,460	118,460	116,626	119,577	117,469	120,168	118,658	121,874	115,984	115,984						2,170,846
		EFC Administration	2,610.00	2,250	2,250	1,986	1,724	1,450	1,174	886	600	300							
41.0%	59.0%	RBC Shaft Replacement																	
41.0%	59.0%	Feasibility Study																	
41.0%	59.0%	Engineering (GHD)	-																1,172,452
41.0%	59.0%	Bond Payments (\$7,000,000, 20yr, 5.75%	385,318.75	381,944	381,944	382,894	383,767	384,569	383,869	378,069	382,269	381,269	385,169	388,869	387,369	385,769	383,650	386,000	6,975,299
41.0%	59.0%	BAN - Cash Flow [1]																	381,425
		Other Costs																	
41.0%	59.0%	Waste Hauler tank [2]																	-
41.0%	59.0%	WWTF SCADA System (Zeller)								200,000									306,790
41.0%	59.0%	Chlorine Tank By-pass Line																	632
41.0%	59.0%	Sludge Recirculation Pump Replacement																	9,352
41.0%	59.0%	STP Generator #1																	448,902
41.0%	59.0%	Screw Pump #1 Replacement	77,680.00																177,680
41.0%	59.0%	Screw Pump #1 Installation	37,228.00																
41.0%	59.0%	STP Belt Filter Replacement																	
41.0%	59.0%	STP Secondary Clarifiers Rack/Pinion Repairs		-										320,000					1,535,995
41.0%	59.0%	STP Chemical Storage Tank Replacement																	30,000
																			-

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County	City	Project	Final 2014	Budget 2015	2015 Activity	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Totals
41.0%	59.0%	Sludge Thickener Tanks		-															59,395
41.0%	59.0%	STP Mechanical Bar Screen Replacement	-			300,000													300,000
41.0%	59.0%	Low-Voltage Electric Panels Replacement	17,500.00																67,500
41.0%	59.0%	RBC Cover										300,000							300,000
41.0%	59.0%	Plant Roofs												290,000					290,000
41.0%	59.0%	Other Plant Improvements		-		100,000	100,000	150,000	300,000	100,000	150,000	100,000	150,000	100,000	100,000	340,000	370,000	400,000	2,460,000
41.0%	59.0%	2nd clarifier Controls		15,000	15,000														30,000
41.0%	59.0%	Grit Classifier		35,000		35,000													70,000
41.0%	59.0%	Digester Repairs		10,000		10,000													20,000
41.0%	59.0%	Architectural /Enginnering Review.Design		20,000	3,420														23,420
Total			640,519.26	582,654	521,074	946,505	605,068	653,488	805,211	797,612	654,742	897,553	651,153	778,869	807,369	725,769	753,650	786,000	16,829,689



Beginning Balance	1,325,296.78	1,284,778	1,284,778	1,567,204	1,435,848	1,645,139	1,908,102	2,021,972	2,144,579	2,511,283	2,638,842	2,964,078	3,164,850	3,339,130	3,596,752	3,829,070		
Contibution	600,000.00	600,000	600,000	600,000	600,000	700,000	700,000	700,000	800,000	800,000	750,000	750,000	750,000	750,000	750,000	750,000		14,035,786
Purchases	(640,519.26)	(582,654)	(521,074)	(946,505)	(605,068)	(653,488)	(805,211)	(797,612)	(654,742)	(897,553)	(651,153)	(778,869)	(807,369)	(725,769)	(753,650)	(786,000)		(16,512,397)
Outside Waste Revenue	-	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000		5,186,227
Sale of Equipment																		
Interest	-	12,848	3,500	15,150	14,358	16,451	19,081	20,220	21,446	25,113	26,388	29,641	31,648	33,391	35,968	38,291		382,912
Ending Balance	1,284,777.52	1,514,971	1,567,204	1,435,848	1,645,139	1,908,102	2,021,972	2,144,579	2,511,283	2,638,842	2,964,078	3,164,850	3,339,130	3,596,752	3,829,070	4,031,360		
City - 59%	354,000.00	354,000	354,000	354,000	354,000	413,000	413,000	413,000	472,000	472,000	442,500	442,500	442,500	442,500	442,500	442,500		8,281,114
County - 41%	246,000.00	246,000	246,000	246,000	246,000	287,000	287,000	287,000	328,000	328,000	307,500	307,500	307,500	307,500	307,500	307,500		5,754,672
Total Contribution	600,000.00	600,000	600,000	600,000	600,000	700,000	700,000	700,000	800,000	800,000	750,000	750,000	750,000	750,000	750,000	750,000		14,035,786



Pump Station

54.5%	45.5%	Lakeshore Pump Replacement- Design/Construction (Larsen)	-									200,000							317,415
54.5%	45.5%	Construction (Villager/Blackmon Farrell))																	
Total			-	-	-	-	-	-	-	-	-	200,000	-	-	-	-	-	-	317,415



Beginning Balance	(270,944.87)	(190,945)	(190,945)	(90,945)	9,055	99,055	189,055	269,055	349,055	429,055	509,055	389,055	449,055	489,055	509,055	529,055		
Contibution	80,000.00	100,000	100,000	100,000	90,000	90,000	80,000	80,000	80,000	80,000	80,000	80,000	60,000	40,000	20,000	20,000	20,000	1,842,500
Purchases	-	-	-	-	-	-	-	-	-	-	-	(200,000)	-	-	-	-	-	(2,283,298)
Ending Balance	(190,944.87)	(90,945)	(90,945)	9,055	99,055	189,055	269,055	349,055	429,055	509,055	389,055	449,055	489,055	509,055	529,055	549,055		
City - 45.5%	36,400.00	45,500	45,500	45,500	40,950	40,950	36,400	36,400	36,400	36,400	36,400	36,400	27,300	18,200	9,100	9,100	9,100	838,336
County - 54.5%	43,600.00	54,500	54,500	54,500	49,050	49,050	43,600	43,600	43,600	43,600	43,600	43,600	32,700	21,800	10,900	10,900	10,900	1,004,164
Total Contribution	80,000.00	100,000	100,000	100,000	90,000	90,000	80,000	80,000	80,000	80,000	80,000	80,000	60,000	40,000	20,000	20,000	20,000	1,842,500



Collection System Vehicles:

11.25%	88.75%	10 Wheel Dump Truck																	143,818
11.25%	88.75%	Sewer Flush Truck (T36)	324,998.00															290,000	614,998
11.25%	88.75%	Backhoe								60,000						-			95,477
11.25%	88.75%	Pickup (T65)						22,000								25,000			65,286
11.25%	88.75%	1 Ton Dump Truck (T32, masons)		38,000	-	38,000			38,500										114,500
Total			324,998.00	38,000	-	38,000	-	22,000	38,500	60,000	-	-	-	-	-	-	25,000	290,000	1,034,079



Beginning Balance	144,740.40	(105,258)	(105,258)	(93,258)	(43,258)	(46,258)	(11,258)	1,742	(6,758)	(31,758)	3,242	38,242	73,242	108,242	143,242	153,242		
Contibution	75,000.00	50,000	50,001	50,000	35,000	35,000	35,000	30,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000		1,055,002
Purchases	(324,998.00)	(38,000)	-	-	(38,000)	-	(22,000)	(38,500)	(60,000)	-	-	-	-	-	-	(25,000)	(290,000)	(1,034,079)

City of Canandaigua Sewer System Capital Plan - Infrastructure and Related Equipment - 2010 - 2028

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County	City	Project	Final 2014	Budget 2015	2015 Activity	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Totals
	Ending Balance		(105,257.60)	(93,258)	(55,257)	(43,258)	(46,258)	(11,258)	1,742	(6,758)	(31,758)	3,242	38,242	73,242	108,242	143,242	153,242	(101,758)	
	City - 88.75%		66,562.50	44,375.00	44,375.00	44,375	31,063	31,063	31,063	26,625	31,063	31,063	31,063	31,063	31,063	31,063	31,063	31,063	936,313
	County - 11.25%		8,437.50	5,625.00	5,625.00	5,625	3,938	3,938	3,938	3,375	3,938	3,938	3,938	3,938	3,938	3,938	3,938	3,938	118,688
	Total Contribution		75,000.00	50,000.00	50,000.00	50,000	35,000	35,000	35,000	30,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	1,055,001

<u>Plant Vehicles:</u>																			
30.00%	70.00%	Pickup (T67)								25,000								27,000	89,463
30.00%	70.00%	Pickup (T62)	18,741.60									25,000						-	43,742
Total			18,741.60	-		-	-	-	-	25,000	-	25,000	-	-	-	-	-	27,000	133,205

	Beginning Balance		14,536.88	3,795	3,795	11,795	19,795	27,795	35,795	43,795	26,795	34,795	17,795	25,795	33,795	41,795	49,795	57,795	
	Contibution		8,000.00	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	176,000
	Purchases		(18,741.60)	-	-	-	-	-	-	(25,000)	-	(25,000)	-	-	-	-	-	(27,000)	(133,205)
	Ending Balance		3,795.28	11,795	11,795	19,795	27,795	35,795	43,795	26,795	34,795	17,795	25,795	33,795	41,795	49,795	57,795	38,795	
City - 70.00%			5,600.00	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	123,200
County - 30.00%			2,400.00	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	52,800
Total Contribution			8,000.00	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	176,000

Summary:

	Beginning Balance	1,357,629.19	1,503,899	1,503,899	2,016,325	2,104,969	2,471,260	2,929,223	3,006,093	3,245,201	3,736,904	3,824,464	4,134,699	4,500,471	4,619,751	5,002,373	5,334,691	
	Contibution:																	
	City From Reserve 301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	709,530
	City From Reserve 302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	From Sewer Fund	498,563.00	485,475.00	485,475.00	480,475.00	462,612.50	521,612.50	517,062.50	512,625.00	576,062.50	576,062.50	546,562.50	537,462.50	528,362.50	519,262.50	519,262.50	519,262.50	
	County	336,437.50	344,525.00	344,525.00	339,525.00	332,387.50	373,387.50	367,937.50	367,375.00	408,937.50	408,937.50	388,437.50	377,537.50	366,637.50	355,737.50	355,737.50	355,738	7,608,020
		835,000.50	830,000.00	830,000.00	820,000.00	795,000.00	895,000.00	885,000.00	880,000.00	985,000.00	985,000.00	935,000.00	915,000.00	895,000.00	875,000.00	875,000.00	875,000	8,317,550
	Purchases - Capital	(476,147.60)	(293,000.00)	(18,420.00)	(445,000.00)	(643,068)	(653,488)	(1,027,211)	(861,112)	(714,742)	(1,122,553)	(851,153)	(778,869)	(1,007,369)	(725,769)	(778,650)	(1,103,000)	(18,213,965)
	Purchases - Debt	(508,111.26)	(502,653.85)	(502,654.00)	(501,505.25)													
	Outside Waste Revenue	288,192.63	200,000.00	200,000.00	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	5,474,419
	Sale of equipemnt	4,995.30																
	Interest	2,340.05	12,847.78	3,500.00	15,150	14,358	16,451	19,081	20,220	21,446	25,113	26,388	29,641	31,648	33,391	35,968	38,291	385,252
Ending Balance		1,503,898.81	1,751,092.74	2,016,324.81	2,104,969.27	2,471,260	2,929,223	3,006,093	3,245,201	3,736,904	3,824,464	4,134,699	4,500,471	4,619,751	5,002,373	5,334,691	5,344,982	

<u>Projected Contributions:</u>																			
City		498,563.00	485,475	485,475	480,475	462,613	521,613	517,063	512,625	576,063	576,063	546,563	537,463	528,363	519,263	519,263	519,263	10,856,659	59%
City - Additional Fund 302																			
County		336,437.50	344,525	344,525	339,525	332,388	373,388	367,938	367,375	408,938	408,938	388,438	377,538	366,638	355,738	355,738	355,738	7,608,020	41%
		835,000.50	830,000	830,000	820,000	795,000	895,000	885,000	880,000	985,000	985,000	935,000	915,000	895,000	875,000	875,000	875,000	18,464,679	

[illegible]

(303) SEWER FUND - PLANT

2015
ACTUALS
TO DATE

2015

2016

2017

2018

2019

2020

2021

2022

2023

2024

City of Canandaigua - SEWER PLANT Capital Plan (8130)

FUNDING	ASSET CLASS	VEHICLE NUMBER	INSURED Value	Yr. Built	COST	INFRASTRUCTURE / EQUIPMENT
	SFA1-1			7/1/1981	123,336	Land
						SEWER PLANT LAND
						BUILDINGS AND TANKS
RESERVE	SFA2-1			7/1/1981	13,950,174	SEWER PLANT
RESERVE	SFA2-1			6/1/2005	1,995,911	WWTF DIGESTER
RESERVE	SFA2-1			7/1/2013	6,791,143	RBC CONSTRUCTION
					22,737,228	
						BUILDING/LAND IMPROVMENTS
RESERVE	SFA2-2			12/1/2004	91,501	RBC COVERS
RESERVE	SFA2-2			5/1/2006	43,835	RBC COVERS
RESERVE	SFA2-2			12/31/2008	141,100	ROOF REPLACEMENT
RESERVE	SFA2-2			12/31/2010	564,397	HOLDING TANK
RESERVE	SFA2-2			12/15/2011	19,395	SLUDGE THICKENER
					860,228	
						LAND IMPROVEMENTS
RESERVE	SFA3-1			11/7/2005	28,694	WWTF DRIVEEAY
						VEHICLES
RESERVE	SFA4-1	T67		5/7/2012	17,463	FORD F-150
RESERVE	SFA4-1	T62		5/23/2014	18,742	FORD 5-150
					36,205	
						COMPUTERS AND SOFTWARE
RESERVE	SFA4-2			12/31/1999	14,400	COMPUTER SOFTWARE
RESERVE	SFA4-2			12/15/2011	106,790	SCADA SYSTEM
					121,190	
						EQUIPMENT
RESERVE	SFA4-3			12/31/1997	7,319	KAESER AIR COMPRESSOR
RESERVE	SFA4-3			3/31/2002	9,650	MARATHON GENERATOR
RESERVE	SFA4-3			7/31/2004	2,995	MOBILE RADIOS
RESERVE	SFA4-3			6/12/2013	154,451	KOHLER 550 KW DIESEL GENERATOR
						PUMPS/DRIVES
RESERVE	SFA4-3			3/30/1990	6,656	BORNEMANN PROGRESSIVE PUMP
RESERVE	SFA4-3			12/31/1992	2,342	GORHAM RUPP PORTABLE TRASH PUMP
RESERVE	SFA4-3			12/31/1995	12,763	GORHAM RUPP 4" PORTABLE TRASH
RESERVE	SFA4-3			3/6/1997	16,226	2 GORMAN RUPP DIAPHRAGM PUMPS
RESERVE	SFA4-3			12/31/2000	5,933	METERING PUMP
RESERVE	SFA4-3			9/30/2002	4,460	POLYMER METERING PUMP
RESERVE	SFA4-3			3/4/2004	29,203	SMITH & LOVELESS GRIT PUMPS
RESERVE	SFA4-3			8/1/2010	9,352	SLUDGE CIRCULATION PUMP
RESERVE	SFA4-3			12/15/2014	114,908	SCREW PUMP #1
						METERS
RESERVE	SFA4-3			11/22/1994	3,905	ULTRASONIC FLOW METER
RESERVE	SFA4-3			12/31/2001	4,535	ISCO FLOWMETER
RESERVE	SFA4-3			9/20/2007	32,791	4 FLOWMETERS FOR THE INFLOW AND INFILTRATION STUDY (PHASE 2)
						VALVES/GATES/TANKS
RESERVE	SFA4-3			2/16/1999	6,996	CONTAINMENT DIKES, STORAGE TANKS
						OTHER EQUIPMENT
RESERVE	SFA4-3			12/31/1990	6,487	ENERPAC HYDRAULIC PRESS
RESERVE	SFA4-3			1/26/1993	11,102	POLYBLEND SYSTEM
RESERVE	SFA4-3			12/10/1998	18,532	GRIT SCREW CONVEYOR WITH CONCENTRATOR
RESERVE	SFA4-3			7/26/2006	29,500	WWTF PRESS CONVEYORS
RESERVE	SFA4-3			12/1/2013	313,495	BELT FILTER PRESS

(303) SEWER FUND - PLANT

City of Canandaigua - SEWER PLANT Capital Plan (8130)						2015	2015 ACTUALS TO DATE	2016	2017	2018	2019	2020	2021	2022	2023	2024
FUNDING	ASSET CLASS	VEHICLE NUMBER	INSURED Value	Yr. Built	COST	INFRASTRUCTURE / EQUIPMENT										
						Land										
RESERVE	SFA4-3			6/1/2014	17,500	PANEL UPGRADES										
					821,101											
	SFA4-4			12/31/2002	88,267	ENERGY CONSERVATION										
					24,816,248	TOTAL										
						-	-	-	-	-	-	-	-	-	-	-
					37,182,887											

City of Canandaigua - Capit

ASSET NUMBER

AUCTION	5/19/2015	8130-2006-3170-S	CHEVY 1500 PICK UP
SOLD	10/14/2015	8120-2002-6526-S	SEWER FLUSHER TRUCI

tal Plan

Yr. Built	COST	SALVAGE	A/D	PROCEEDS
3/31/2006	13,344		13,344	3,600
11/18/2002	168,459		168,459	27,500