

## Water Harmonized including utilities general allocation

		2016 revised budget	2017 revised budget	2018 revised budget	2019 revised budget	2020 forecasted	2021 forecasted	2022 forecasted	2023 forecasted	2024 forecasted
Harmonized revenue (user rate and other)		(3,310,400)	(3,678,800)	(3,877,000)	(4,425,100)					
salaries and wages	2%	773,100	826,700	819,800	870,100	887,500	905,300	923,400	941,900	960,700
internal allocations	2%	459,500	489,000	442,500	444,600	453,500	462,600	471,900	481,300	490,900
debt principal & interest		600,200	520,700	504,100	503,100	500,000	455,300	394,400	247,500	245,100
contracted services	2%	25,200	27,500	41,500	41,900	42,700	43,600	44,500	45,400	46,300
insurance	2%	31,200	32,300	32,100	33,400	34,100	34,800	35,500	36,200	36,900
utilities	5%	64,000	65,000	69,000	69,000	72,500	76,100	79,900	83,900	88,100
all other materials, supplies, expenses	2%	725,100	792,100	882,400	857,500	874,700	892,200	910,000	928,200	946,800
capital reserve fund allocation		425,800	711,400	853,500	1,347,100	see below	see below	see below	see below	see below
Transfer to reserve funds and internal loan payments		206,300	214,100	232,100	258,400	see below	see below	see below	see below	see below
		-	-	-	-	2,865,000	2,869,900	2,859,600	2,764,400	2,814,800
		-	-	-	-					
Additional staff forecasted						105,700	219,700	224,100	228,600	233,200
Total capital forecasted						4,298,100	2,764,500	667,800	882,700	7,932,000
Water meter replacement program						188,100		7,600	13,100	19,400
Total debt issuance forecasted						(1,850,000)	(600,000)			(3,500,000)
Total payments on new debt							197,500	241,700	241,700	241,700
Transfer to (from) reserve funds for capital and internal loan						(906,600)	(492,900)	1,238,300	1,413,700	(1,859,600)
Other revenue offset						(174,000)	(174,700)	(175,400)	(176,100)	(176,800)
Total revenue requirement forecasted		-	-	-	-	4,526,300	4,784,000	5,063,700	5,368,100	5,704,700

## Sewer Harmonized including utilities general allocation

		2016 revised budget	2017 revised budget	2018 revised budget	2019 revised budget	2020 forecasted	2021 forecasted	2022 forecasted	2023 forecasted	2024 forecasted
Harmonized revenue (user rate and other)		(2,907,100)	(3,087,000)	(3,212,500)	(3,596,600)					
salaries and wages	2%	672,300	739,100	797,500	745,900	760,800	776,000	791,500	807,300	823,400
internal allocations	2%	411,500	417,700	338,800	343,400	350,300	357,300	364,400	371,700	379,100
debt principal & interest		542,600	509,700	547,000	540,100	536,900	531,800	526,800	521,700	346,600
contracted services	2%	16,800	16,100	17,600	31,000	31,600	32,200	32,800	33,500	34,200
insurance	2%	30,500	31,300	31,100	32,900	33,600	34,300	35,000	35,700	36,400
utilities	5%	175,500	193,500	211,500	241,500	253,600	266,300	279,600	293,600	308,300
all other materials, supplies, expenses	2%	882,600	1,033,300	1,048,800	1,164,600	1,187,900	1,211,700	1,235,900	1,260,600	1,285,800
capital reserve fund allocation		150,000	116,300	170,200	449,800	see below	see below	see below	see below	see below
Transfer to reserve funds and internal loan payments		25,300	30,000	50,000	47,400	see below	see below	see below	see below	see below
		-	-	-	-	3,154,700	3,209,600	3,266,000	3,324,100	3,213,800
		-	-	-	-					
Additional salaries forecasted						83,000	172,700	176,100	179,600	183,200
Total capital forecasted						2,397,800	442,900	534,500	313,400	760,700
Total debt issuance forecasted						(1,800,000)				
Total payments on new debt							132,400	132,400	132,400	132,400
Transfer to (from) reserve funds for capital and internal loan						(65,500)	82,800	196,500	586,400	522,000
Other revenue offset						(49,350)	(50,100)	(50,850)	(51,600)	(52,350)
Total revenue requirement forecasted						3,720,650	3,990,300	4,254,650	4,484,300	4,759,750

**Fairfield Water**

	2016 revised	2017 revised	2018 revised	2019 revised	2020	2021	2022	2023	2024	
	budget	budget	budget	budget	forecasted	forecasted	forecasted	forecasted	forecasted	
salaries and wages	2%	409,900	366,500	350,600	359,700	366,900	374,200	381,700	389,300	397,100
internal allocations	2%	386,700	544,600	559,900	566,800	578,100	589,700	601,500	613,500	625,800
debt principal & interest		513,200	461,500	449,200	441,800	438,700	394,000	333,100	186,200	183,800
contracted services	2%	20,400	21,400	37,400	37,400	38,100	38,900	39,700	40,500	41,300
insurance	2%	5,200	6,600	6,500	8,400	8,600	8,800	9,000	9,200	9,400
utilities	5%	24,000	24,000	24,000	24,000	25,200	26,500	27,800	29,200	30,700
all other materials, supplies, expenses	2%	451,800	486,400	532,400	507,200	517,300	527,600	538,200	549,000	560,000
capital reserve fund allocation		375,800	617,900	723,100	979,700	see below	see below	see below	see below	see below
Transfer to reserve funds and internal loan payments		206,300	209,100	207,100	238,600	Note 1	Note 1	Note 1	Note 1	Note 1
		<b>2,393,300</b>	<b>2,738,000</b>	<b>2,890,200</b>	<b>3,163,600</b>	<b>1,972,900</b>	<b>1,959,700</b>	<b>1,931,000</b>	<b>1,816,900</b>	<b>1,848,100</b>

Capital projects forecasted

431- Fairfield Water Treatment Plant					161,986					Replacement
431- Fairfield Water Treatment Plant					8,160					Fairfield Main Building building mechanical
431- Fairfield Water Treatment Plant					424,483					Reject drives to VFD
431- Fairfield Water Treatment Plant					99,728					Membranes
432 - Fairfield Water Distribution					1,469,437					GAC and media
432 - Fairfield Water Distribution					405,697					Water Pipes on Tareyton, Deerfield, Chesterfield, Bakers, Upper Park, Bayview
431- Fairfield Water Treatment Plant						8,323				Water Meters - various
431- Fairfield Water Treatment Plant						569,021				Reject drives to VFD
431- Fairfield Water Treatment Plant						38,081				Intake Equipment
431- Fairfield Water Treatment Plant						400,000				Waste water pump, piping, chemical storage
432 - Fairfield Water Distribution						1,246,188				Membranes
435- Amherstview Water Tower						81,182				Water Pipes on Manitou, Sherwood
431- Fairfield Water Treatment Plant										Building Fixtures
432 - Fairfield Water Distribution								8,490		Reject drives to VFD
434- Odessa Water Tower								20,581		Water Meters - various
434- Odessa Water Tower								6,239		Mechanical equipment
434- Odessa Water Tower								73,087		Piping, valves, re-chlorination system
435- Amherstview Water Tower								44,163		General Site Services
435- Amherstview Water Tower								61,312		Building Electrical
435- Amherstview Water Tower								8,759		Mechanical Equipment
435- Amherstview Water Tower								44,163		General Site Services
431- Fairfield Water Treatment Plant									281,694	GAC Scada / Electrical
431- Fairfield Water Treatment Plant									8,659	Reject drives to VFD
432 - Fairfield Water Distribution									417,412	Water Pipes on Westfield, Park
432 - Fairfield Water Distribution									36,487	Water Meters - various
434- Odessa Water Tower									92,730	Building Fixtures
431- Fairfield Water Treatment Plant									24,820	Intake Scada / Electrical
431- Fairfield Water Treatment Plant									49,638	Raw Water Scada / Electrical
431- Fairfield Water Treatment Plant									52,120	High lift Scada / Electrical
431- Fairfield Water Treatment Plant									8,833	Reject drives to VFD
431- Fairfield Water Treatment Plant									225,350	High lift Pumps
432 - Fairfield Water Distribution									4,576,144	Water Pipes on Asbury, Havergal, Rothwell, Littlefield, Addington, Amherst
432 - Fairfield Water Distribution									21,453	Hydrant replacement - various
432 - Fairfield Water Distribution									9,451	Water Meters - various
					<b>2,569,491</b>	<b>2,342,795</b>	<b>266,794</b>	<b>836,983</b>	<b>4,967,809</b>	

Note 1: The draft rate model is based on hamorized user rates therefore transfers are reflected in the total revenue requirement in page 1 for rate smoothing.

**Bath Water**

	2016 revised budget	2017 revised budget	2018 revised budget	2019 revised budget	2020 forecasted	2021 forecasted	2022 forecasted	2023 forecasted	2024 forecasted
salaries and wages	267,800	192,000	194,000	257,400	262,500	267,800	273,200	278,700	284,300
internal allocations	260,200	300,700	297,100	302,300	308,300	314,500	320,800	327,200	333,700
debt principal & interest	87,000	59,200	54,900	61,300	61,300	61,300	61,300	61,300	61,300
contracted services	2%	-	2,000	3,000	3,000	3,100	3,200	3,300	3,500
insurance	2%	3,400	3,800	3,700	3,800	3,900	4,000	4,100	4,300
utilities	5%	40,000	41,000	45,000	45,000	47,300	49,700	52,200	57,500
all other materials, supplies, expenses	2%	205,400	240,100	250,200	209,600	213,800	218,100	222,500	227,000
capital reserve fund allocation		50,000	93,500	130,400	367,400	see below	see below	see below	see below
Transfer to reserve funds and internal loan payments		-	5,000	8,200	Note 1	Note 1	Note 1	Note 1	Note 1
		913,800	937,300	983,300	1,258,000	900,200	918,600	937,400	956,600
									976,100

Capital projects forecasted (net of CSC funding where eligible)

441- Bath Water Treatment Plant	39,001								Replacement
441- Bath Water Treatment Plant	850,000								Bath WTP Building mechanical
442 - Bath Water Distribution	485,250								Bath Water System Redundancy
442 - Bath Water Distribution	176,646								Oversizing Water Pipe on Main
443- Bath Water Tower	61,171								Water Meters - various
443- Bath Water Tower	10,444								Piping and valves
442 - Bath Water Distribution					345,450				General Site Services
441- Bath Water Treatment Plant							122,984		Water Pipes on Main
441- Bath Water Treatment Plant							259,808		General Site Services
442 - Bath Water Distribution							755		Package Plant Scada / Electrical
442 - Bath Water Distribution								13,282	Water Meters - various
442 - Bath Water Distribution									Water Meters - various
442 - Bath Water Distribution									Water Pipes on Easement, Main, Sir John, Academy, Mott
442 - Bath Water Distribution									Water Meters - various
					1,622,511	345,450	383,547	13,282	2,524,740
									14,415
									2,539,155

Note 1: The draft rate model is based on hamorized user rates therefore transfers are reflected in the total revenue requirement in page 1 for rate smoothing.

## Loyalist East Sewer

		2016 revised budget	2017 revised budget	2018 revised budget	2019 revised budget	2020 forecasted	2021 forecasted	2022 forecasted	2023 forecasted	2024 forecasted
salaries and wages	2%	334,800	305,800	262,000	256,500	261,600	266,800	272,100	277,500	283,100
internal allocations	2%	323,800	463,800	448,000	454,400	463,500	472,800	482,300	491,900	501,700
debt principal & interest		399,500	366,600	403,900	397,000	393,800	388,700	383,600	378,500	203,500
contracted services	2%	7,500	7,500	9,000	17,500	17,900	18,300	18,700	19,100	19,500
insurance	2%	5,200	5,600	5,400	7,500	7,500	7,900	8,100	8,300	8,500
utilities	5%	75,500	79,500	77,500	88,500	92,900	97,500	102,400	107,500	112,900
all other materials, supplies, expenses	2%	502,700	599,900	563,300	580,500	592,100	603,900	616,000	628,300	640,900
capital reserve fund allocation		100,000	66,300	88,200	365,400	see below	see below	see below	see below	see below
Transfer to reserve funds and internal loan payments		21,000	25,000	25,000	30,800	Note 1	Note 1	Note 1	Note 1	Note 1
		<b>1,770,000</b>	<b>1,920,000</b>	<b>1,882,300</b>	<b>2,198,100</b>	<b>1,829,500</b>	<b>1,855,900</b>	<b>1,883,200</b>	<b>1,911,100</b>	<b>1,770,100</b>

### Capital projects forecasted

402 - Loyalist East Sewer Collection System	1,175,399	replacement
402 - Loyalist East Sewer Collection System	250,000	Sanitary Mains on Tareyton, Bakers, Chesterfield
403- Lakeview Sewage Pumping Station	376,729	Sanitary Main Replacement Reserve Fund
403- Lakeview Sewage Pumping Station	97,000	Lakeview PS Building equipment
401- Loyalist East Sewage Treatment Plant		Piping and Valves
402 - Loyalist East Sewer Collection System	116,567	Final Effluent Instrumentation
401- Loyalist East Sewage Treatment Plant	250,000	Sanitary Main Replacement Reserve Fund
402 - Loyalist East Sewer Collection System		Alum Chemical Feed System
401- Loyalist East Sewage Treatment Plant		Sanitary Main Replacement Reserve Fund
402 - Loyalist East Sewer Collection System		Biofilter Media
402 - Loyalist East Sewer Collection System		Sanitary Main Replacement Reserve Fund
402 - Loyalist East Sewer Collection System		Sanitary Main Replacement Reserve Fund
405 - Bridge Street Pumping Station		250,000
		61,649
		Building mechanical
	<b>1,899,128</b>	<b>366,567</b>
		<b>260,394</b>
		<b>255,000</b>
		<b>311,649</b>

Note 1: The draft rate model is based on hamorized user rates therefore transfers are reflected in the total revenue requirement in page 2 for rate smoothing.

## Bath Sewer

		2016 revised	2017 revised	2018 revised	2019 revised	2020	2021	2022	2023	2024
		budget	budget	budget	budget	forecasted	forecasted	forecasted	forecasted	forecasted
salaries and wages	2%	242,100	165,100	260,300	236,400	241,100	245,900	250,800	255,800	260,900
internal allocations	2%	275,100	310,200	305,300	313,500	319,800	326,200	332,700	339,400	346,200
debt principal & interest		143,100	143,100	143,100	143,100	143,100	143,100	143,100	143,100	143,100
contracted services	2%	4,500	4,500	7,500	12,000	12,200	12,400	12,600	12,900	13,200
insurance	2%	2,700	3,800	3,800	4,200	4,300	4,400	4,500	4,600	4,700
utilities	5%	100,000	114,000	134,000	153,000	160,700	168,700	177,100	186,000	195,300
all other materials, supplies, expenses	2%	312,000	367,800	385,700	443,400	452,300	461,300	470,500	479,900	489,500
capital reserve fund allocation		50,000	50,000	82,000	84,400	see below	see below	see below	see below	see below
Transfer to reserve funds and internal loan payments		4,300	5,000	5,000	5,000	Note 1	Note 1	Note 1	Note 1	Note 1
		1,133,800	1,163,500	1,326,700	1,395,000	1,333,500	1,362,000	1,391,300	1,421,700	1,452,900

### Capital projects forecasted (net of CSC funding where eligible)

411- Bath Sewage Treatment Plant	11,211	replacement
413- Bath Sewage Pumping Station #1	82,543	Alum Chemical Feed
413- Bath Sewage Pumping Station #1	298,846	General site services
411- Bath Sewage Treatment Plant		Building mechanical
413- Bath Sewage Pumping Station #1		Generator and transfer switch
411- Bath Sewage Treatment Plant		General site services
411- Bath Sewage Treatment Plant		General site services
411- Bath Sewage Treatment Plant		Headworks grinder
	392,600	
	-	
	256,628	
	25,991	
	23,993	

Note 1: The draft rate model is based on hamorized user rates therefore transfers are reflected in the total revenue requirement in page 2 for rate smoothing.

## Utilities General (split)

	2016 revised budget	2017 revised budget	2018 revised budget	2019 revised budget	2020 forecasted	2021 forecasted	2022 forecasted	2023 forecasted	2024 forecasted	
Other revenue	2%	(6,700)	(6,700)	(6,700)	(6,800)	(6,900)	(7,000)	(7,100)	(7,200)	(7,300)
salaries and wages	2%	190,800	536,400	550,300	505,900	516,000	526,300	536,800	547,500	558,500
internal allocations	2%	(374,700)	(712,600)	(829,000)	(849,000)	(866,000)	(883,300)	(901,000)	(919,000)	(937,400)
debt principal & interest		-	-	-	-	-	-	-	-	-
contracted services	2%	9,600	8,100	2,100	3,000	3,100	3,200	3,300	3,400	3,500
insurance	2%	45,200	43,700	43,700	42,400	43,200	44,100	45,000	45,900	46,800
utilities	5%	-	-	-	-	-	-	-	-	-
all other materials, supplies, expenses	2%	135,800	131,100	199,600	281,400	287,000	292,700	298,600	304,600	310,700
capital reserve fund allocation		-	-	-	see below	see below	see below	see below	see below	see below
Transfer to reserve funds (fleet general)	2%	-	-	40,000	23,100	23,600	24,000	24,400	24,800	25,200
		-	-	-	-	-	-	-	-	-

### Capital projects forecasted - asset type

451- Utilities Vehicles/Equipment	55,566	152,570	34,993	64,841	replacement vehicles/equipment
452 - Millhaven Garage	156,625				steel roof
452 - Millhaven Garage				850,142	General site services
	<b>212,191</b>	<b>152,570</b>	<b>34,993</b>	<b>64,841</b>	<b>850,142</b>