

Columbia Shuswap Regional District
10 Year Summary of Reserve Contributions
Draft 1

CC	Function Name	Ending Balance December 31/20	2021			Anticipated Ending Balance December 31	2022			Anticipated Ending Balance December 31	2023			Anticipated Ending Balance December 31	2024			Anticipated Ending Balance December 31	2025			Anticipated Ending Balance December 31	2026			Anticipated Ending Balance December 31
			Contributions to	Transfers From Reserve	Description		Contributions to	Transfers From Reserve	Description		Contributions to	Transfers From Reserve	Description		Contributions to	Transfers From Reserve	Description		Contributions to	Transfers From Reserve	Description		Contributions to	Transfers From Reserve	Description	
012	Administration Building	133,643	150,000	-		283,643	250,000	-		533,643	250,000	-		783,643	225,000	-		1,008,643	200,000	-		1,208,643	180,000	-		1,388,643
033	Falkland Fire Protection	207,627	47,000	(15,000)	Turnout gear racks Compressor &	239,627	50,000	-		289,627	53,000	-		342,627	37,000	-		379,627	61,000	(90,000)	SCBA upgrade	350,627	67,000	-		417,627
034	Swansea Point Fire Protection	50,479	27,500	(52,000)	flooring	25,979	42,500	-		68,479	46,000	-		114,479	50,000	-		164,479	54,000	-		218,479	58,000	-		276,479
036	Nicholson Fire Protection	328,685	67,000	(360,000)	Utility/ Tender truck	35,685	95,000	-		130,685	100,000	-		230,685	103,000	-		333,685	108,000	-		441,685	113,000	-		554,685
037	Ranchero/Deep Cr. Fire Protection	126,620	80,000	(15,000)	storage shed	191,620	90,000	-		281,620	94,000	-		375,620	98,000	-		473,620	105,000	-		578,620	110,000	-		688,620
040	Malakwa Fire Protection	84,429	35,000	(17,000)	SCBA & landscaping Command/ utility truck	102,429	40,000	(38,000)	and reddi racks	104,429	47,000	-		151,429	50,000	-		201,429	53,000	-		254,429	56,000	-		310,429
041	Silver Creek Fire Protection	188,356	62,000	(60,000)		190,356	80,000	-		270,356	84,000	-		354,356	89,000	(80,000)	Roof and siding	363,356	83,000	-		446,356	95,000	-		541,356
047	Area C Sub-regional Fire Protection	1,016,855	345,000	(302,000)	White Lake hall upgrades; Shuswap paving; Eagle Bay compressor and siding	1,059,855	400,000	(70,000)	White Lake Command truck	1,389,855	425,000	(565,000)	Shuswap SCBA upgrade; Tappen Tender	1,249,855	458,000	(270,000)	Sorrento - hall reno's; EB Command truck	1,437,855	482,000	(10,000)	Shuswap paving	1,909,855	507,000	(625,000)	Tappen Engine replacement; Shuswap Command Truck	1,791,855
048	Area F Sub-regional Fire Protection	1,097,903	270,000	(171,756)	Anglemont property acquisition; Scotch Creek bathroom reno; Celista land improvements	1,196,147	330,000	-		1,526,147	350,000	-		1,876,147	365,000	-		2,241,147	380,000	(500,000)	Scotch Creek Engine replacement	2,121,147	395,000	-		2,516,147
049	911 Emergency Program	351,710	15,000	(250,000)	Analog to Digital upgrades	116,710	15,000	-		131,710	15,000	-		146,710	15,000	-		161,710	15,000	-		176,710	15,000	-		191,710
050	Shuswap Emergency Program	339,337	-	-	fuel dispenser system replacement; terminal building roof replacement	339,337	10,000	-		349,337	10,000	-		359,337	10,000	-		369,337	15,000	-		384,337	10,000	-		394,337
075	Revelstoke Airport	863,915	52,000	(100,000)	Runway 30 extension	815,915	32,000	(500,000)		347,915	59,000	-		406,915	76,000	(100,000)	Terminal upgrades	382,915	77,000	-		459,915	93,000	-		552,915
197	Cottonwoods Waterworks	190,633	32,702	-		223,335	36,281	-		259,616	41,293	-		300,909	45,182	-		346,091	48,977	-		395,068	53,216	-		448,284
198	Sunnybrae Waterworks	8,516	4,631	-		13,147	7,771	-		20,918	12,380	-		33,298	17,887	-		51,185	21,768	-		72,953	26,175	-		99,128
199	Galena Shores Waterworks	297,759	14,401	-		312,160	13,286	-		325,446	11,747	-		337,193	9,862	-		347,055	8,464	-		355,519	7,353	-		362,872
201	Falkland Waterworks	207,739	7,237	-		214,976	11,860	-		226,836	15,135	-		241,971	16,356	-		258,327	19,993	-		278,320	25,067	-		303,387
202	Cedar Heights Waterworks	355,200	20,551	-		375,751	21,937	-		397,688	24,151	-		421,839	25,789	-		447,628	33,704	-		481,332	41,912	-		523,244
203	Eagle Bay Waterworks	155,679	6,199	-		161,878	9,797	-		171,675	12,130	-		183,805	13,406	-		197,211	16,458	-		213,669	19,363	-		233,032
204	Saratoga Waterworks	359,409	37,963	-		397,372	45,904	-		443,276	50,313	-		493,589	54,337	-		547,926	58,659	-		606,585	65,950	-		672,535
206	MacArthur Reedman Waterworks	61,186	14,700	-		75,886	18,022	-		93,908	21,581	-		115,489	24,744	-		140,233	29,999	-		170,232	35,742	-		205,974
208	Sorrento Waterworks	2,007,525	136,689	-		2,144,214	143,007	-		2,287,221	153,305	-		2,440,526	162,412	-		2,602,938	177,517	-		2,780,455	193,946	-		2,974,401
209	Anglemont Waterworks	1,591,918	98,302	-		1,690,220	121,882	-		1,812,102	156,740	-		1,968,842	138,442	-		2,107,284	132,161	-		2,239,445	124,212	-		2,363,657
218	Recycling	771,221	-	(300,000)	food waste collection bins; Scotch Creek transfer station upgrades; completion of Revelstoke compost project waste containers; scale load cell upgrades; monitoring wells; gas plant analyzer; litter fencing; Golden landfill surface water upgrades	471,221	-	-		471,221	-	-		471,221	-	-		471,221	-	-		471,221	-	-		471,221
219	Solid Waste (regular)	1,372,175	10,000	(430,000)	Revelstoke phase 1 closure	952,175	15,000	(50,000)	Waste containers	917,175	50,000	(20,000)	miscellaneous needs	947,175	10,000	(20,000)	miscellaneous needs	937,175	5,000	(20,000)	miscellaneous needs	922,175	5,000	(20,000)	miscellaneous needs	907,175
219	Solid Waste (closure)	997,444	25,000	(500,000)		522,444	250,000	-		772,444	300,000	-		1,072,444	300,000	-		1,372,444	300,000	-		1,672,444	300,000	-		1,972,444
280	Milfoil	80,013	23,700	-		103,713	49,000	-		152,713	71,000	-		223,713	42,000	(185,000)	replace aquatic plant harvester	80,713	38,300	-		119,013	35,000	-		154,013

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CC	Function Name	2027			2028			2029			2030			Anticipated Ending Balance December 31	Description
		Contributions to	Transfers From Reserve	Description	Contributions to	Transfers From Reserve	Description	Contributions to	Transfers From Reserve	Description	Contributions to	Transfers From Reserve	Description		
012	Administration Building	180,000	-		160,000	-		160,000	-		160,000	-		2,048,643	potential expansion, mechanical upgrades, roof replacement (2040)
033	Falkland Fire Protection	70,000	-		74,000	-		65,000	(500,000)	Engine replacement	113,000	-		239,627	additional (non-FUS) apparatus replacement, building improvements
034	Swansea Point Fire Protection	63,000	-		73,000	-		78,000	-		82,000	-		572,479	Engine in 2036; Tender in 2041; additional (non-FUS) apparatus replacement
036	Nicholson Fire Protection	122,000	-		128,000	(500,000)	Pumper replacement	130,000	-		135,000	-		569,685	additional (non-FUS) apparatus replacement, building improvements
037	Ranchero/Deep Cr. Fire Protection	115,000	-		120,000	-		125,000	-		125,000	-		1,173,620	Engine in 2032; building improvements in 2035; Tender in 2036; Tender 2 in 2044
040	Malakwa Fire Protection	60,000	-		60,000	-		65,000	-		70,000	-		565,429	Building improvements likely within next 5 years; Tender in 2042
041	Silver Creek Fire Protection	100,000	(500,000)	Engine replacement	102,000	-		105,000	-		110,000	(250,000)	Mini replacement	208,356	Hall upgrades(2030ish); Tender in 2044
047	Area C Sub-regional Fire Protection	532,000	-		560,000	(450,000)	Shuswap Tender	592,000	-		620,000	(450,000)	Eagle Bay Tender	3,195,855	2031 - Shuswap Mini; WL Engine; 2033 - Sorrento new hall; Shuswap Engine; Eagle Bay Engine; 2034 - Shuswap Tender; 2036 - White Lake Tender; 2037 - Shuswap Tender; additional (non-FUS) apparatus replacement, building improvements
048	Area F Sub-regional Fire Protection	410,000	-		425,000	-		440,000	-		455,000	-		4,246,147	equipment replacement needs under review; additional (non-FUS) apparatus replacement, building improvements
049	911 Emergency Program	15,000	-		15,000	-		15,000	-		15,000	-		251,710	equipment replacement
050	Shuswap Emergency Program	10,000	-		10,000	-		10,000	-		10,000	-		434,337	replacement of mobile command and SPU's
075	Revelstoke Airport	82,000	-		70,000	-		72,000	-		74,000	-		850,915	runway widening and extension
197	Cottonwoods Waterworks	57,716	-		62,463	-		67,471	-		73,751	-		709,685	at the whim of Interior Health; may need filtration, UV, etc; capital replacement of existing infrastructure; system currently approx 15 years old; reserves are determined to be reasonable without the asset management plan; manganese filtration could be implemented for drinking water (could be detrimental to reserve balance)
198	Sunnybrae Waterworks	29,778	-		34,058	-		38,677	-		43,551	-		245,192	reserves not sufficient for infrastructure replacement
199	Galena Shores Waterworks	6,251	-		5,130	-		3,991	-		2,832	-		381,076	reserves not sufficient for infrastructure replacement
201	Falkland Waterworks	30,594	-		36,491	-		42,778	-		49,746	-		462,996	hugely underfunded; good shape in terms of filtration and source; reservoir is severely undersized and grants do not cover this; all pipe is asbestos concrete that needs to be replaced; pipe was installed in early 1970's and has a life expectancy of approx 60 years
202	Cedar Heights Waterworks	50,697	-		60,086	-		70,160	-		80,907	-		785,094	still underfunded; significant pipe network that will need to be budgetted for replacement (pipe is PVC with a longer life expectancy but network is huge)
203	Eagle Bay Waterworks	22,410	-		26,208	-		30,216	-		33,946	-		345,812	hugely underfunded and problematic due to size of water system; intake work to be done; AC pipe to be replaced
204	Saratoga Waterworks	74,623	-		79,344	-		85,846	-		92,846	-		1,005,194	still underfunded; IHA requirements; reservoir expansion; concrete asbestos pipe to be replaced
206	MacArthur Reedman Waterworks	39,819	-		46,048	-		52,846	-		60,031	-		404,718	hugely underfunded and problematic due to size of water system; extremely high tech water system; very expensive to maintain
208	Sorrento Waterworks	214,274	-		232,451	-		251,623	-		271,841	-		3,944,590	reserves should be fine; not adequate for liabilities (need asset management)
209	Anglemont Waterworks	117,271	-		110,553	-		106,634	-		97,949	-		2,796,064	reserves should be fine; not adequate for liabilities (need asset management)
218	Recycling	-	-		-	-		-	-		-	-		471,221	
219	Solid Waste (regular)	25,000	(20,000)	miscellaneous needs	25,000	(20,000)	miscellaneous needs	35,000	(20,000)	miscellaneous needs	25,000	(20,000)	miscellaneous needs	937,175	replacement of capital infrastructure (scales, bins, compactor, gas plant, etc)
219	Solid Waste (closure)	200,000	-		275,000	-		300,000	-		300,000	-		3,047,444	landfill closure not sufficient to meet liabilities for closure and post closure
280	Milfoil	31,700	-		27,500	-		23,400	-		16,800	-		253,413	equipment replacement

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	2021			2022			2023			2024			2025			2026											
321	Area A Parks (capital)	296,319	75,000	(140,000)	Trails; Tom Kelley park play structure; Nicholson boat launch	231,319	5,000	(20,000)	Trails	216,319	2,000	(20,000)	Trails	198,319	-	(35,000)	Parson ball field upgrades	163,319	2,000	(20,000)	Trails	145,319	-	(20,000)	Trails	125,319	
322	Area B Parks (capital)	55,219	-	-		55,219	-	-		55,219	-	-		55,219	-	-		55,219	-	-		55,219	-	-		55,219	
323	Area C Parks (capital)	310,239	70,000	(260,000)	Eagle Bay Park; Barnard park; Sorrento Blind Bay park court resurface; Pebble Beach shoreline erosion mitigation	120,239	140,000	(60,000)	Sorrento Blind Bay park - Seniors outdoor exercise equipment and dog park fencing	200,239	135,000	(40,000)	1 of 3	Rocky Martinson interpretive signage plan; Dock replacements (year 1 of 3)	295,239	130,000	(195,000)	Cedar Heights playground upgrade; Dock replacements (year 2 of 3); Mt. Tuam park improvements	230,239	130,000	(165,000)	Dock replacements (year 3 of 3); White Lake park improvements; Harbour Road boat launch repairs	195,239	130,000	(275,000)	Loftus Lake universal trail; Whitehead Road boat launch repairs	50,239
324	Area D Parks (capital)	77,152	17,000	(25,000)	Glenemma vault toilet; Lynes Rd park preliminary works Eagle River Blueway; NFW structure start; Windsor Road boat launch repairs	69,152	17,000	-		86,152	28,000	(100,000)	Lynes Road park development	14,152	20,000	-		34,152	32,000	(50,000)	Silver Creek park improvements	16,152	33,000	-		49,152	
325	Area E Parks (capital)	249,588	6,000	(60,000)		195,588	7,000	(105,000)	North Fork Wild structure; Swansea Point swim platform	97,588	7,000	(10,000)	Cambie Solisqua park development	94,588	8,000	-		102,588	8,000	-		110,588	8,000	-		118,588	
326	Area F Parks (capital)	282,023	125,000	(160,000)	Bristow Rd completion; Squillax Anglemont parallel trail prelim work	247,023	135,000	(100,000)	Rose Clifford park improvements	282,023	140,000	(165,000)	Magna Bay boat launch; Lee Creek trails; Area F Master parks plan	257,023	132,000	-		389,023	120,000	-		509,023	115,000	(200,000)	Wharf Road park improvements	424,023	
340	Golden Arena	164,119	90,000	(40,000)	replace zamboni batteries; lobby flooring (subject to grant); finish covered walkway; dressing room heaters; bathroom upgrades	214,119	100,000	(80,000)	dehumidifier; bleacher heater re-tube; fan replacements; piping & slab repairs	234,119	100,000	(60,000)	announcer tower; coloured event lighting; recirculation pumps	274,119	98,000	(50,000)	change room boiler replacement; make-up air units	322,119	100,000	(90,000)	replace zamboni batteries; exhaust fan replacement; exterior sidewalk replacement; roof maintenance	332,119	170,000	-		502,119	
345	Sicamous Arena	590,666	35,000	(259,177)		366,489	15,000	-		381,489	30,000	(15,000)	gas stove	396,489	30,000	-		426,489	30,000	(250,000)	Arena roof line extension	206,489	30,000	-		236,489	
370	Golden Curling Rink	102,759	21,000	-		123,759	21,000	-		144,759	19,000	-		163,759	20,000	-		183,759	19,000	-		202,759	19,000	-		221,759	
380	Golden Library	80,609	5,000	(15,000)	Lighting replacements	70,609	6,000	-		76,609	6,500	-		83,109	7,000	-		90,109	7,500	-		97,609	8,000	-		105,609	
		15,454,667	2,026,575	(3,531,933)		13,949,309	2,624,247	(1,023,000)		15,550,556	2,920,275	(995,000)		17,475,831	2,881,417	(935,000)		19,422,248	2,972,500	(1,195,000)		21,199,748	3,144,936	(1,140,000)		23,204,684	

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	2027		2028		2029		2030									
321 Area A Parks (capital)	-	(20,000) Trails	105,319	-	(20,000) Trails	85,319	5,000	(20,000) Trails	70,319	55,319	future park/trail development subject to Area Parks Plan					
322 Area B Parks (capital)	-	-	55,219	-	-	55,219	-	-	55,219	55,219	future park/trail development					
323 Area C Parks (capital)	130,000	-	180,239	180,000	-	360,239	180,000	(75,000) extension	465,239	210,000	(75,000) extension	600,239	future park/trail development subject to Area Parks Plan			
324 Area D Parks (capital)	35,000	-	84,152	38,000	-	122,152	40,000	-	162,152	43,000	-	205,152	future park/trail development			
325 Area E Parks (capital)	8,000	-	126,588	8,000	-	134,588	8,000	-	142,588	7,500	-	150,088	future park/trail development			
326 Area F Parks (capital)	95,000	Lakeview Park (200,000) improvements	319,023	115,000	-	434,023	110,000	-	544,023	105,000	-	649,023	future park/trail development			
340 Golden Arena	200,000	-	702,119	230,000	-	932,119	240,000	-	1,172,119	240,000	-	1,412,119	refrigeration, zamboni, roof replacement (2045)			
345 Sicomous Arena	30,000	-	266,489	30,000	-	296,489	30,000	-	326,489	30,000	-	356,489	roof replacement; covered walkway; zamboni; refrigeration			
370 Golden Curling Rink	19,000	-	240,759	19,000	-	259,759	19,000	-	278,759	28,000	-	306,759	roof replacement (2040); facility upgrades (kitchen, seating, heating, etc)			
380 Golden Library	8,500	-	114,109	9,000	(120,000) Roof replacement	3,109	9,500	-	12,609	19,000	-	31,609	roof replacement			
	3,184,633	(740,000)	-	25,649,317	3,446,332	(1,110,000)	-	27,985,649	3,607,142	(615,000)	-	30,977,791	3,805,700	(815,000)	-	33,968,491