

Columbia Shuswap Regional District
10 Year Summary of Reserve Contributions
Draft 2

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 150,000	Transfers From Reserve -	Description		Contributions to 250,000	Transfers From Reserve -	Description		Contributions to 250,000	Transfers From Reserve -	Description		Contributions to 225,000	Transfers From Reserve -	Description		Contributions to 200,000	Transfers From Reserve -	Description		Contributions to 180,000	Transfers From Reserve -	Description		
012	Administration Building	133,643	-	-	-	283,643	-	-	-	533,643	-	-	-	783,643	-	-	-	1,008,643	-	-	-	1,208,643	-	-	-	1,388,643	
033	Falkland Fire Protection	218,210	47,000	(15,000)	Turnout gear racks Compressor & flooring	250,210	50,000	-	300,210	53,000	-	353,210	37,000	-	390,210	61,000	(90,000)	SCBA upgrade	361,210	67,000	-	428,210	-	-	-	428,210	
034	Swansea Point Fire Protection	42,751	27,500	(52,000)	Utility/ Tender truck	18,251	42,500	-	60,751	46,000	-	106,751	50,000	-	156,751	54,000	-	-	210,751	58,000	-	268,751	-	-	-	268,751	
036	Nicholson Fire Protection	326,814	67,000	(360,000)	Command truck	33,814	95,000	-	128,814	100,000	-	228,814	103,000	-	331,814	108,000	-	-	439,814	113,000	-	552,814	-	-	-	552,814	
037	Ranchero/Deep Cr. Fire Protection	122,491	70,000	(15,000)	storage shed	177,491	90,000	-	267,491	94,000	-	361,491	98,000	-	459,491	105,000	-	-	564,491	110,000	-	674,491	-	-	-	674,491	
040	Malakwa Fire Protection	78,595	35,000	(17,000)	SCBA & landscaping Command/ utility truck	96,595	40,000	(38,000)	98,595	47,000	-	145,595	50,000	-	195,595	53,000	-	-	248,595	56,000	-	304,595	-	-	-	304,595	
041	Silver Creek Fire Protection	215,467	62,000	(60,000)	White Lake hall upgrades; Shuswap paving; Eagle Bay compressor and siding	217,467	80,000	-	297,467	84,000	-	381,467	89,000	(80,000)	Roof and siding	390,467	83,000	-	-	473,467	95,000	-	568,467	-	-	-	568,467
047	Area C Sub-regional Fire Protection	971,998	320,000	(302,000)	White Lake Command truck	989,998	400,000	(70,000)	1,319,998	425,000	(565,000)	1,179,998	458,000	(270,000)	Sorrento - hall reno's; EB Command truck	1,367,998	482,000	(10,000)	Shuswap paving	1,839,998	507,000	(625,000)	2,171,998	-	-	-	2,171,998
048	Area F Sub-regional Fire Protection	1,045,006	256,000	(171,756)	Anglemont property acquisition; Scotch Creek bathroom reno; Colista land improvements	1,129,250	330,000	-	1,459,250	350,000	-	1,809,250	365,000	-	2,174,250	380,000	(500,000)	Scotch Creek Engine replacement	2,054,250	395,000	-	2,449,250	-	-	-	2,449,250	
049	911 Emergency Program	351,173	15,000	(250,000)	Analog to Digital upgrades	116,173	15,000	-	131,173	15,000	-	146,173	15,000	-	161,173	15,000	-	-	176,173	15,000	-	191,173	-	-	-	191,173	
050	Shuswap Emergency Program	339,363	-	(60,000)	Sprinkler protection unit fire suspension system replacement; terminal building roof replacement	279,363	10,000	-	289,363	10,000	(20,000)	279,363	10,000	-	289,363	15,000	-	-	304,363	10,000	-	314,363	-	-	-	314,363	
075	Revelstoke Airport	856,035	52,000	(100,000)	Runway 30 extension	808,035	32,000	(500,000)	340,035	59,000	-	399,035	76,000	(100,000)	Terminal upgrades	375,035	77,000	-	-	452,035	93,000	-	545,035	-	-	-	545,035
197	Cottonwoods Waterworks	188,340	25,702	-	-	214,042	28,381	-	242,423	33,173	-	275,596	36,842	-	312,438	40,417	-	-	352,855	53,216	-	406,071	-	-	-	406,071	
198	Sunnybrae Waterworks	55,797	1,488	-	-	57,285	4,095	-	61,380	8,503	-	69,883	13,809	-	83,692	17,491	-	-	101,183	26,175	-	127,358	-	-	-	127,358	
199	Galena Shores Waterworks	308,218	13,151	-	-	321,369	11,811	-	333,180	10,162	-	343,342	8,392	-	351,734	7,367	-	-	359,101	7,353	-	366,454	-	-	-	366,454	
201	Falkland Waterworks	226,008	990	-	-	226,998	4,646	-	231,644	7,636	-	239,280	8,574	-	247,854	12,930	-	-	260,784	25,067	-	285,851	-	-	-	285,851	
202	Cedar Heights Waterworks	347,792	7,599	-	-	355,391	8,086	-	363,477	10,743	-	374,220	12,824	-	387,044	21,182	-	-	408,226	41,912	-	450,138	-	-	-	450,138	
203	Eagle Bay Waterworks	143,508	6,040	-	-	149,548	9,555	-	159,103	11,851	-	170,954	13,091	-	184,045	16,108	-	-	200,153	19,363	-	219,516	-	-	-	219,516	
204	Saratoga Waterworks	322,537	29,613	-	-	352,150	37,665	-	389,815	41,314	-	431,129	44,958	-	476,087	48,950	-	-	525,037	65,950	-	590,987	-	-	-	590,987	
206	MacArthur Reedman Waterworks	68,906	9,200	-	-	78,106	11,712	-	89,818	14,985	-	104,803	17,862	-	122,665	22,831	-	-	145,496	35,742	-	181,238	-	-	-	181,238	
208	Sorrento Waterworks	1,987,280	130,689	-	-	2,117,969	136,607	-	2,254,576	147,270	-	2,401,846	156,759	-	2,558,605	172,251	-	-	2,730,856	193,946	-	2,924,802	-	-	-	2,924,802	
209	Anglemont Waterworks	1,550,892	74,430	-	-	1,625,322	94,720	-	1,720,042	130,580	-	1,850,622	114,460	-	1,965,082	107,426	-	-	2,072,508	124,212	-	2,196,720	-	-	-	2,196,720	
218	Recycling	766,454	-	(300,000)	Recycling bins; Scotch Creek transfer station upgrades; completion of Revelstoke compost project	466,454	-	-	466,454	-	-	466,454	-	-	466,454	-	-	-	466,454	-	-	466,454	-	-	-	466,454	
219	Solid Waste (regular)	1,372,488	10,000	(500,000)	scale load cell upgrades; monitoring wells; gas plant analyzer; litter fencing; Golden landfill surface water upgrades	882,488	15,000	(50,000)	847,488	50,000	(20,000)	877,488	50,000	(20,000)	907,488	50,000	(20,000)	miscellaneous needs	937,488	5,000	(20,000)	922,488	-	-	-	922,488	
219	Solid Waste (closure)	1,109,659	25,000	(430,000)	Revelstoke phase 1 closure	704,659	250,000	-	954,659	300,000	-	1,254,659	300,000	-	1,554,659	300,000	-	replace aquatic plant harvester	1,854,659	300,000	-	2,154,659	-	-	-	2,154,659	
280	Milfoil	80,060	15,000	-	-	95,060	30,000	-	125,060	61,000	-	186,060	42,000	(185,000)	43,060	38,300	-	-	81,360	35,000	-	116,360	-	-	-	116,360	

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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	137,210	-		250,210	additional (non-FUS) apparatus replacement, building improvements
034	Swansea Point Fire Protection	63,000	-		73,000	-		78,000	-		482,751	-		564,751	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	-		432,814	-		567,814	additional (non-FUS) apparatus replacement, building improvements
037	Ranchero/Deep Cr. Fire Protection	115,000	-		120,000	-		125,000	-		1,034,491	-		1,159,491	Engine in 2032; building improvements in 2035; Tender in 2036; Tender 2 in 2044
040	Malakwa Fire Protection	60,000	-		60,000	-		65,000	-		489,595	-		559,595	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	-		375,467	-		235,467	Hall upgrades(2030ish); Tender in 2044
047	Area C Sub-regional Fire Protection	532,000	-		560,000	(450,000)	Shuswap Tender	592,000	-		2,955,998	-		3,125,998	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	-		3,724,250	-		4,179,250	equipment replacement needs under review; additional (non-FUS) apparatus replacement, building improvements
049	911 Emergency Program	15,000	-		15,000	-		15,000	-		236,173	-		251,173	equipment replacement
050	Shuswap Emergency Program	10,000	-		10,000	-		10,000	-		344,363	-		354,363	replacement of mobile command and SPU's
075	Revelstoke Airport	82,000	-		70,000	-		72,000	-		769,035	-		843,035	runway widening and extension
197	Cottonwoods Waterworks	57,716	-		62,463	-		67,471	-		593,721	-		667,472	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	-		229,871	-		273,422	reserves not sufficient for infrastructure replacement
199	Galena Shores Waterworks	6,251	-		5,130	-		3,991	-		381,826	-		384,658	reserves not sufficient for infrastructure replacement
201	Falkland Waterworks	30,594	-		36,491	-		42,778	-		395,714	-		445,460	highly 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	-		631,081	-		711,988	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	-		298,350	-		332,296	highly 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	-		830,800	-		923,646	still underfunded; IHA requirements; reservoir expansion; concrete asbestos pipe to be replaced
206	MacArthur Reedman Waterworks	39,819	-		46,048	-		52,846	-		319,951	-		379,982	highly 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	-		3,623,150	-		3,894,991	reserves should be fine; not adequate for liabilities (need asset management)
209	Anglemont Waterworks	117,271	-		110,553	-		106,634	-		2,531,178	-		2,629,127	reserves should be fine; not adequate for liabilities (need asset management)
218	Recycling	-	-		-	-		-	-		466,454	-		466,454	
219	Solid Waste (regular)	25,000	(20,000)	miscellaneous needs	25,000	(20,000)	miscellaneous needs	35,000	(20,000)	miscellaneous needs	947,488	-		952,488	replacement of capital infrastructure (scales, bins, compactor, gas plant, etc)
219	Solid Waste (closure)	200,000	-		275,000	-		300,000	-		2,929,659	-		3,229,659	landfill closure not sufficient to meet liabilities for closure and post closure
280	Milfoil	31,700	-		27,500	-		23,400	-		198,960	-		215,760	equipment replacement

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		2021		2022		2023		2024		2025		2026								
321	Area A Parks (capital)	314,225	75,000	(140,000)	249,225	5,000	(20,000)	234,225	2,000	(20,000)	216,225	-	(35,000)	181,225	2,000	(20,000)	163,225	-	(20,000)	143,225
322	Area B Parks (capital)	55,269	-	-	55,269	-	-	55,269	-	-	55,269	-	-	55,269	-	-	55,269	-	-	55,269
323	Area C Parks (capital)	346,463	64,000	(170,000)	240,463	130,000	(60,000)	310,463	130,000	(40,000)	400,463	130,000	(195,000)	335,463	130,000	(165,000)	300,463	130,000	(275,000)	155,463
324	Area D Parks (capital)	95,729	17,000	(25,000)	87,729	17,000	-	104,729	28,000	(100,000)	32,729	20,000	-	52,729	32,000	(50,000)	34,729	33,000	-	67,729
325	Area E Parks (capital)	249,738	5,000	(60,000)	194,738	7,000	(105,000)	96,738	7,000	(10,000)	93,738	8,000	-	101,738	8,000	-	109,738	8,000	-	117,738
326	Area F Parks (capital)	282,023	121,000	(150,000)	253,023	125,000	(100,000)	278,023	140,000	(165,000)	253,023	132,000	-	385,023	120,000	-	505,023	115,000	(200,000)	420,023
340	Golden Arena	164,189	70,000	(50,000)	184,189	80,000	(80,000)	184,189	100,000	(60,000)	224,189	98,000	(50,000)	272,189	120,000	(90,000)	302,189	170,000	-	472,189
345	Sicamous Arena	496,343	35,000	(167,603)	363,740	15,000	-	378,740	30,000	(15,000)	393,740	30,000	-	423,740	30,000	(250,000)	203,740	30,000	-	233,740
370	Golden Curling Rink	102,879	21,000	-	123,879	21,000	-	144,879	19,000	-	163,879	20,000	-	183,879	19,000	-	202,879	19,000	-	221,879
380	Golden Library	90,737	5,000	(15,000)	80,737	6,000	-	86,737	6,500	-	93,237	7,000	-	100,237	7,500	-	107,737	8,000	-	115,737
		15,427,077	1,863,402	(3,410,359)	13,880,120	2,482,778	(1,023,000)	15,339,898	2,822,717	(1,015,000)	17,147,615	2,840,571	(935,000)	19,053,186	2,956,753	(1,195,000)	20,814,939	3,144,936	(1,140,000)	22,819,875

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	2027		2028		2029		2030						
321 Area A Parks (capital)	-	(20,000) Trails	123,225	-	(20,000) Trails	103,225	5,000	(20,000) Trails	88,225	5,000	(20,000) Trails	73,225	future park/trail development subject to Area Parks Plan
322 Area B Parks (capital)	-	-	55,269	-	-	55,269	-	-	55,269	-	-	55,269	future park/trail development
323 Area C Parks (capital)	130,000	-	285,463	180,000	-	465,463	180,000	(75,000) extension	570,463	210,000	(75,000) extension	705,463	future park/trail development subject to Area Parks Plan
324 Area D Parks (capital)	35,000	-	102,729	38,000	-	140,729	40,000	-	180,729	43,000	-	223,729	future park/trail development
325 Area E Parks (capital)	8,000	-	125,738	8,000	-	133,738	8,000	-	141,738	7,500	-	149,238	future park/trail development
326 Area F Parks (capital)	95,000	(200,000) Lakeview Park improvements	315,023	115,000	-	430,023	110,000	-	540,023	105,000	-	645,023	future park/trail development
340 Golden Arena	200,000	-	672,189	230,000	-	902,189	240,000	-	1,142,189	240,000	-	1,382,189	refrigeration, zamboni, roof replacement (2045)
345 Sicamous Arena	30,000	-	263,740	30,000	-	293,740	30,000	-	323,740	30,000	-	353,740	roof replacement; covered walkway; zamboni; refrigeration
370 Golden Curling Rink	19,000	-	240,879	19,000	-	259,879	19,000	-	278,879	28,000	-	306,879	roof replacement (2040); facility upgrades (kitchen, seating, heating, etc)
380 Golden Library	8,500	-	124,237	9,000	(120,000) Roof replacement	13,237	9,500	-	22,737	19,000	-	41,737	roof replacement
	3,184,633	(740,000)	25,264,508	3,446,332	(1,110,000)	27,600,840	3,607,142	(615,000)	30,592,982	3,805,700	(815,000)	33,583,682	