

Columbia Shuswap Regional District
10 Year Summary of Reserve Contributions

CC	Function Name	Ending Balance December 31/18	2019			Anticipated Ending Balance December 31	2020			Anticipated Ending Balance December 31	2021			Anticipated Ending Balance December 31	2022			Anticipated Ending Balance December 31	2023			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	
012	Administration Building	32,705	-	-		32,705	-	-		32,705	400,000	-		432,705	300,000	-		732,705	250,000	-		982,705
033	Falkland Fire Protection	100,139	42,000	-		142,139	55,000	(79,000)	MSA upgrade & compressor	118,139	62,000	-		180,139	67,000	-		247,139	73,000	-		320,139
034	Swansea Point Fire Protection	42,737	25,000	(12,000)	Redi-Racks	55,737	48,000	(12,000)	Hall flooring	91,737	54,000	-		145,737	58,000	-		203,737	62,000	-		265,737
036	Nicholson Fire Protection	177,659	80,000	(33,000)	Exhaust removal system	224,659	105,000	-		329,659	115,000	(375,000)	new tender	69,659	115,000	-		184,659	120,000	-		304,659
037	Ranchero/Deep Cr. Fire Protection	66,878	63,000	(67,000)	command truck	62,878	70,000	-		132,878	78,000	-		210,878	82,000	-		292,878	88,000	-		380,878
040	Malakwa Fire Protection	21,001	35,000	-		56,001	45,000	(55,000)	command truck	46,001	50,000	-		96,001	55,000	-		151,001	60,000	-		211,001
041	Silver Creek Fire Protection	133,756	64,000	(81,000)	SCBA & bottles WL - SCBA & compressor;	116,756	80,000	-		196,756	88,000	(60,000)	Command or utility truck	224,756	93,000	-		317,756	98,000	-		415,756
047	Area C Sub-regional Fire Protection	781,494	335,000	(770,000)	Shuswap - Engine 1 replace, paving; TS - Command	346,494	365,000	(50,000)	WL - hall siding	661,494	407,000	(10,000)	Shuswap - paving	1,058,494	435,000	(70,000)	WL - command truck	1,423,494	458,000	(565,000)	Shuswap - paving, SCBA upgrade; TS - new tender	1,316,494
048	Area F Sub-regional Fire Protection	732,218	312,000	(335,000)	Celista - water storage, property expansion, training land improvements	709,218	353,000	-		1,062,218	375,000	-		1,437,218	375,000	(100,000)	Scotch Creek mini tender replacement	1,712,218	406,000	-		2,118,218
049	911 Emergency Program	328,457	5,000	(30,000)	Repeater upgrades Storage facility	303,457	15,000	-		318,457	15,000	(250,000)	Analog to digital upgrades	83,457	15,000	-		98,457	15,000	-		113,457
050	Shuswap Emergency Program	360,375	5,000	(93,000)	for SPU's, Truck	272,375	3,000	-		275,375	7,000	-		282,375	7,000	-		289,375	8,000	-		297,375
075	Revelstoke Airport	735,849	31,000	(30,000)	apron asphalt replacement	736,849	48,500	(85,000)	roof replacement; fuel cardlock system replacement	700,349	43,500	(10,000)	crack sealing	733,849	62,000	(75,000)	terminal expansion and/or upgrades	720,849	70,000	-		790,849
197	Cottonwoods Waterworks	118,771	29,465	-		148,236	29,821	-		178,057	29,993	-		208,050	30,144	-		238,194	30,304	-		268,498
198	Sunnybrae Waterworks	13,099	3,017	-		16,116	5,725	-		21,841	6,908	-		28,749	8,094	-		36,843	9,460	-		46,303
199	Galena Shores Waterworks	247,606	20,835	-		268,441	19,844	-		288,285	18,801	-		307,086	17,586	-		324,672	16,353	-		341,025
201	Falkland Waterworks	196,091	4,566	-		200,657	4,055	-		204,712	4,438	-		209,150	4,154	-		213,304	6,495	-		219,799
202	Cedar Heights Waterworks	414,021	20,133	(60,000)	PRV station upgrades	374,154	15,353	-		389,507	12,605	-		402,112	7,982	-		410,094	5,600	-		415,694
203	Eagle Bay Waterworks	143,357	11,944	-		155,301	10,821	(50,000)	intake work	116,122	9,421	-		125,543	10,173	-		135,716	16,908	-		152,624
204	Saratoga Waterworks	207,035	27,988	-		235,023	25,703	(50,000)	new UV unit	210,726	26,265	-		236,991	27,102	-		264,093	27,978	-		292,071
206	MacArthur Reedman Waterworks	38,878	8,460	-		47,338	7,517	-		54,855	6,966	-		61,821	7,732	-		69,553	8,503	-		78,056
208	Sorrento Waterworks	1,698,659	138,918	(250,000)	reservoir and piping construction	1,587,577	147,475	(750,000)	upper reservoir construction	985,052	146,251	-		1,131,303	148,617	-		1,279,920	150,644	-		1,430,564
209	Anglemont Waterworks	1,753,541	138,918	(64,634)	maintenance	1,688,907	1,292	(62,348)	maintenance	1,627,851	106,330	-		1,734,181	169,865	-		1,904,046	163,378	-		2,067,424

Columbia Shuswap Regional District
10 Year Summary of Reserve Contrib

CC	Function Name	2024			Anticipated Ending Balance December 31	2025			Anticipated Ending Balance December 31	2026			Anticipated Ending Balance December 31	2027			Anticipated Ending Balance December 31	2028			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		Contributions to	Transfers From Reserve	Description		
012	Administration Building	225,000	-		1,207,705	200,000	-		1,407,705	180,000	-		1,587,705	180,000	-		1,767,705	160,000	-		1,927,705	potential expansion, mechanical upgrades, roof replacement (2040)
033	Falkland Fire Protection	80,000	-		400,139	85,000	(470,000)	Engine 1 replacement	15,139	85,000	-		100,139	90,000	-		190,139	95,000	-		285,139	additional (non-FUS) apparatus replacement, building improvements
034	Swansea Point Fire Protection	67,000	-		332,737	72,000	-		404,737	76,000	-		480,737	87,000	-		567,737	92,000	-		659,737	additional (non-FUS) apparatus replacement, building improvements
036	Nicholson Fire Protection	125,000	-		429,659	130,000	-		559,659	135,000	-		694,659	145,000	-		839,659	150,000	(500,000)	Freightliner pumper /engine	489,659	additional (non-FUS) apparatus replacement, building improvements
037	Ranchero/Deep Cr. Fire Protection	93,000	-		473,878	97,000	-		570,878	102,000	-		672,878	108,000	-		780,878	115,000	-		895,878	additional (non-FUS) apparatus replacement, building improvements
040	Malakwa Fire Protection	66,000	-		277,001	72,000	-		349,001	78,000	-		427,001	85,000	-		512,001	92,000	(500,000)	Pumper replacement	104,001	additional (non-FUS) apparatus replacement, building improvements
041	Silver Creek Fire Protection	102,000	-		517,756	108,000	-		625,756	113,000	-		738,756	114,000	(500,000)	Engine replacement	352,756	120,000	-		472,756	additional (non-FUS) apparatus replacement, building improvements
047	Area C Sub-regional Fire Protection	482,000	-		1,798,494	507,000	(10,000)	Shuswap - paving	2,295,494	532,000	-		2,827,494	565,000	(75,000)	Shuswap - replace command unit	3,317,494	592,000	-		3,909,494	additional (non-FUS) apparatus replacement, building improvements
048	Area F Sub-regional Fire Protection	423,000	-		2,541,218	440,000	-		2,981,218	455,000	(488,000)	Scotch Creek engine	2,948,218	470,000	-		3,418,218	487,000	-		3,905,218	additional (non-FUS) apparatus replacement, building improvements
049	911 Emergency Program	15,000	-		128,457	15,000	-		143,457	15,000	-		158,457	15,000	-		173,457	15,000	-		188,457	changed service delivery method; no need for large surplus
050	Shuswap Emergency Program	9,000	-		306,375	10,000	-		316,375	10,000	-		326,375	10,000	-		336,375	10,000	-		346,375	replacement of mobile command and SPU's
075	Revelstoke Airport	72,000	-		862,849	74,500	-		937,349	64,500	(15,000)	runway line marking	986,849	73,000	-		1,059,849	75,500	-		1,135,349	runway widening and extension
197	Cottonwoods Waterworks	31,749	-		300,247	31,881	-		332,128	32,019	-		364,147	32,161	-		396,308	32,309	-		428,617	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	10,475	-		56,778	15,851	-		72,629	17,318	-		89,947	18,868	-		108,815	22,525	-		131,340	not sufficient; will need to look at increasing reserves in the next few years; could look at 5% increase in parcel taxes every year
199	Galena Shores Waterworks	14,818	-		355,843	14,013	-		369,856	13,278	-		383,134	12,535	-		395,669	11,784	-		407,453	reserves should be fine; no construction out there so limited use of infrastructure
201	Falkland Waterworks	3,912	-		223,711	5,480	-		229,191	7,751	-		236,942	10,178	-		247,120	12,769	-		259,889	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	1,064	-		416,758	5,166	-		421,924	8,987	-		430,911	12,468	-		443,379	16,272	-		459,651	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	15,836	-		168,460	15,772	(50,000)	new UV unit	134,232	15,835	-		150,067	16,407	-		166,474	16,407	-		182,881	hugely underfunded and problematic due to size of water system; intake work to be done; AC pipe to be replaced
204	Saratoga Waterworks	14,341	-		306,412	27,640	-		334,052	29,866	-		363,918	31,922	-		395,840	34,062	-		429,902	still underfunded; IHA requirements; reservoir expansion; concrete asbestos pipe to be replaced
206	MacArthur Reedman Waterworks	4,843	-		82,899	7,097	-		89,996	3,165	-		93,161	4,939	-		98,100	7,466	-		105,566	hugely underfunded and problematic due to size of water system; extremely high tech water system; very expensive to maintain
208	Sorrento Waterworks	150,855	-		1,581,419	156,087	-		1,737,506	159,975	-		1,897,481	167,265	-		2,064,746	173,461	-		2,238,207	reserves should be fine; not adequate for liabilities (need asset management)
209	Anglemont Waterworks	143,238	-		2,210,662	137,258	-		2,347,920	132,711	-		2,480,631	117,209	-		2,597,840	112,481	-		2,710,321	reserves should be fine; not adequate for liabilities (need asset management)

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			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	
218	Recycling	349,644	250,000	(375,000)	covered storage for mattresses; Revelstoke compost	224,644	27,000	(25,000)	covered storage for mattresses	226,644	60,000		286,644	60,000			60,000					
219	Solid Waste (regular)	2,171,887	460,000	(1,502,000)	waste containers; scale load cell upgrades; monitoring wells; hazardous storage units; landfill gas expansion; Mounce property; gas plant analyzer; litter fencing; Golden property; safety railings; surface water management; SA entrance & scale	1,129,887	400,000	(560,000)	waste containers; scale load cell upgrades; SA phase 3 expansion	969,887	250,000	(60,000)	1,159,887	250,000	(20,000)	waste containers	1,389,887	200,000	(20,000)	waste containers	1,569,887	
219	Solid Waste (closure)	1,682,170	46,866	-		1,729,036	73,976	(1,000,000)	Revelstoke phase 1 closure	803,012	40,982	-	843,994	65,544	-		909,538	75,361	-		984,899	
280	Milfoil	85,811	20,000	-		105,811	25,000	-		130,811	22,000	(145,000)	7,811	20,000	-		27,811	20,000	-		47,811	
321	Area A Parks (capital)	247,402	20,000	(80,000)	Nicholson Boat Launch, trails	187,402	25,000	(20,000)	Trails	192,402	22,000	(35,000)	179,402	5,000	(20,000)	trails	164,402	20,000	(20,000)	trails	164,402	
322	Area B Parks (capital)	53,259	-	-		53,259	-	-		53,259	-	-	53,259	-	-		53,259	-	-		53,259	
323	Area C Parks (capital)	135,263	160,000	(115,000)	John Evdo playground equipment; Sunnybrae/White Lake/Sandy Beach parking; Harbour Rd fencing	180,263	60,000	(125,000)	Blue way signage, Mt. Tuam bike park upgrades, Eagle Bay park, BB park development	115,263	140,000	(75,000)	180,263	340,000	(200,000)	Sorrento Centre lakefront park	320,263	150,000	(210,000)	Sunnybrae park paving & beach access extension	260,263	
324	Area D Parks (capital)	121,327	30,000	(150,000)	Parallel Trail	1,327	37,000	(25,000)	Glenemma trails & vault toilet	13,327	40,000	-	53,327	42,000	-		95,327	45,000	-		140,327	
325	Area E Parks (capital)	246,899	5,000	(75,000)	Swanson Road	176,899	15,000	(30,000)	Eagle River Blueway	161,899	15,000	(75,000)	101,899	5,000	-		106,899	17,000	-		123,899	
326	Area F Parks (capital)	(43,703)	280,000			236,297	120,000	(40,000)	Don Fink playground equipment	316,297	120,000	(250,000)	186,297	120,000	(120,000)	Rose Clifford Phase 2	186,297	110,000	(50,000)	Lakeview - redesign /rebuild	246,297	
340	Golden Arena	710,354	55,000	(670,000)	Part of roof replacement (balance to be borrowed)	95,354	35,000	(70,000)	lobby flooring & benches, WCB upgrades	60,354	60,000	(20,000)	100,354	68,000	-		168,354	76,000	-		244,354	
345	Sicamous Arena	704,394	12,000	(90,500)	covered walkway; compressor room upgrades	625,894	5,000	(250,000)	arena roof replacement	380,894	5,000	-	385,894	5,000	-		390,894	5,000	-		395,894	
370	Golden Curling Rink	73,281	31,000	(30,000)	Paint exterior of building	74,281	22,000	-		96,281	21,500	-	117,781	30,000	-		147,781	29,500	-		177,281	
380	Golden Library	120,653	8,000	(55,000)	Roof repair & flooring	73,653	5,000	-		78,653	8,000	-	86,653	5,000	-		91,653	5,000	-		96,653	
		15,002,967	2,640,192	(4,968,134)		12,675,025	2,305,082	(3,338,348)		11,641,759	2,866,960	(1,365,000)	13,143,719	3,110,993	(605,000)		15,303,068	2,956,484	(865,000)		17,334,552	

Other reserves:

Feasibility Funds	406,898
Whitetooth	1,624,832
Insurance	106,213
Eagle Ridge	6,300
Creek Funds	57,695
EOF Funds	644,551
Parkland Acquisition	1,767,009

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		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		
218	Recycling	60,000				60,000				60,000				60,000				60,000				
219	Solid Waste (regular)	200,000	(20,000)	waste containers	1,749,887	50,000	(20,000)	waste containers	1,779,887	50,000	(20,000)	waste containers	1,809,887	50,000	-		1,859,887	50,000	-		1,909,887	replacement of capital infrastructure (scales, bins, compactor, gas plant, etc)
219	Solid Waste (closure)	115,345	-		1,100,244	259,475	-		1,359,719	251,505	-		1,611,224	224,115	-		1,835,339	236,985	-		2,072,324	landfill closure not sufficient to meet liabilities for closure and post closure
280	Milfoil	20,000	-		67,811	20,000	-		87,811	20,000	-		107,811	20,000	-		127,811	20,000	-		147,811	equipment replacement
321	Area A Parks (capital)	40,000	(20,000)	trails	184,402	40,000	(40,000)	Trails and Kinbask	184,402	40,000	(20,000)	trails	204,402	40,000	(20,000)	trails	224,402	35,000	(20,000)		239,402	future park/trail development subject to Area Parks Plan
322	Area B Parks (capital)	-	-		53,259	-	-		53,259	-	-		53,259	-	-		53,259	-	-		53,259	future park/trail development
323	Area C Parks (capital)	150,000	-		410,263	350,000	(210,000)	Eagle Bay community park & playground	550,263	150,000	(150,000)	Cedar Heights playground improvements	550,263	140,000	(150,000)	White Lake boat launch improvements & boardwalk extension	540,263	150,000	(150,000)	White Lake boat launch improvements & boardwalk extension	540,263	future park/trail development subject to Area Parks Plan
324	Area D Parks (capital)	40,000	-		180,327	49,000	-		229,327	50,000	-		279,327	52,000	-		331,327	55,000	-		386,327	future park/trail development
325	Area E Parks (capital)	28,500	-		152,399	29,000	-		181,399	30,000	-		211,399	32,000	-		243,399	32,000	-		275,399	future park/trail development
326	Area F Parks (capital)	85,000	-		331,297	85,000	(40,000)	Onyx Falls Trails	376,297	60,000	(40,000)	Lee Creek Trails	396,297	50,000	(25,000)	Evelyn Falls Trails	421,297	50,000	-		471,297	future park/trail development
340	Golden Arena	115,000	-		359,354	185,000	-		544,354	190,000	-		734,354	185,000	-		919,354	180,000	-		1,099,354	refrigeration, zamboni, roof replacement (2045)
345	Sicamous Arena	5,000	-		400,894	5,000	-		405,894	5,000	-		410,894	5,000	-		415,894	5,000	-		420,894	roof replacement; covered walkway; zamboni; refrigeration
370	Golden Curling Rink	29,000	-		206,281	28,500	-		234,781	28,000	-		262,781	27,500	-		290,281	27,000	-		317,281	roof replacement (2040); facility upgrades (kitchen, seating, heating, etc)
380	Golden Library	5,000	-		101,653	5,000	-		106,653	5,000	-		111,653	5,000	-		116,653	5,000	(120,000)	roof replacement	1,653	roof replacement
		3,042,976	(40,000)	-	20,277,528	3,392,720	(840,000)	-	22,770,248	3,205,910	(733,000)	-	25,183,158	3,256,567	(770,000)	-	27,609,725	3,349,021	(1,290,000)	-	29,608,746	

Other reserves:
Feasibility Funds
Whitetooth
Insurance
Eagle Ridge
Creek Funds
EOF Funds
Parkland Acquisition