## **CAPITAL PLAN**

\$24,135,000

## Amount funded by property tax

Net impact on tax revenue required over 2019

Amount funded by property tax

\$1,790,500 %0 0

\$140,000

## **How the Capital Plan is deployed:**

Strategic Plan Projects				\$255,000
	Amount funded	by property t	ax	\$50,000
Master Plan Projects				\$17,500,000
	Amount funded	by property t	ax	\$1,213,500
Municipal Services Proj	ects			\$6,380,000
	Amount funded	by property t	ax	\$527,000
GROWTH (Incl. DCC)		\$1,460,000	FACILITIES UPGRADES	\$512,000
Amount funde	d by property tax	\$20,000	Amount funded by property ta	x \$227,000
INFRASTRUCTURE UPGRADES & REPLACEMENTS		\$3,588,000	EQUIPMENT UPGRADES & REPLACEMENT	\$820,000

\$140,000

Amount funded by property tax

					TOTAL		ı	ANNUAL COST					FUNDING SOU	RCES - TOTAL			FUNDING SOURCES		
					PROJECT						Acc. Surplus			Grants &			Taxation /	% on (	Cummula
REF	Project Name	Department	Category	Type	COST	2020	2021	2022	2023	2024	or Provision	Borrowing	Reserve	Other	DCC	Taxation	Fees	2019 Tax	tive %
1	Thunderbird Radio Tower Replacement	220-Information Techono	olg Municipal Facilities	М	180,000	155,000	-	-	-	-	-	-	-	=	-	155,000	155,000	0.53%	0.53%
2	Technology Transformation Program	220-Information Techono	lg Master Plan	M	3,800,000	1,120,000	-	-	-	-	-	1,120,000	-	-	-	-	-	0.00%	0.53%
3	Annual Workstation Upgrades	220-Information Techono	lg Master Plan	Α	295,000	45,000	50,000	50,000	50,000	50,000	245,000	-	-	-	-	-	-	0.00%	0.53%
4	Fibre Conduit Installations	220-Information Techono	olg Municipal Infrastructure	M	730,000	160,000	200,000	200,000	-	-	-	-	560,000	-	-	-	-	0.00%	0.53%
5	RCMP Mechanical upgrades	250-Facilities	Municipal Equipment	M	643,000	136,000	37,000	102,000	118,000	149,000	-	-	542,000	-	-	-	-	0.00%	0.53%
6	Library garbage enclosure replacement	250-Facilities	Municipal Facilities	M	47,000	32,000	-	-	-	-	-	-	-	-	-	32,000	32,000	0.11%	0.64%
7	Brennan Park arena emergency exit stair replacement	250-Facilities	Municipal Facilities	M	220,000	110,000	-	-	-	-	-	-	110,000	-	-	-	-	0.00%	0.64%
8	Brennan Park arena fire exit door replacement	250-Facilities	Municipal Facilities	S	40,000	40,000	-	-	-	-	-	-	-	-	-	40,000	40,000	0.14%	0.77%
9	Brennan Park arena new de-humidifier	250-Facilities	Municipal Facilities	S	175,000	175,000	-	-	-	-	-	-	175,000	-	-	-	-	0.00%	0.77%
10	Parkland Acquisition	260-Real Estate	Master Plan	S	650,000	650,000	-	-	-	-	-	-	650,000	-	-	-	-	0.00%	0.77%
11	Interim Space for Munucipal Hall	260-Real Estate	Master Plan	M	1,170,000	610,000	-	560,000	-	-	-	-	1,170,000	-	-	-	-	0.00%	0.77%
12	New Main Fire Hall - Valleycliffe	260-Real Estate	Master Plan	Μ	12,200,000	5,000,000	6,600,000	-	-	-	-	8,000,000	3,000,000	600,000	-	-	-	0.00%	0.77%
13	New Public Works Facility	260-Real Estate	Master Plan	M	12,600,000	600,000	5,600,000	6,400,000	-	-	-	8,000,000	4,600,000	-	-	-	-	0.00%	0.77%
14	Airport Runway Rehabilitation Project	260-Real Estate	Municipal Infrastructure	S	811,000	811,000	-	-	-	-	102,500	-	-	708,500	-	-	-	0.00%	0.77%
15	Fire Department Auto Extrication Equipment	320-Fire Services	Municipal Equipment	M	110,000	55,000	-	-	-	-	-	-	-	-	-	55,000	55,000	0.19%	0.96%
16	Commercial Washer Extractor	320-Fire Services	Municipal Equipment	S	20,000	20,000	-	-	-	-	-	-	-	-	-	20,000	20,000	0.07%	1.03%
17	Ford F150 Supercrew Replacement (6010)	330-Emergency Managen		S	46,000	46,000	-	-	-	-	-	-	46,000	-	-	-	-	0.00%	1.03%
18	Brennan Park Recreation Centre Renovation #1	710-Recreation	Municipal Infrastructure	M	1,900,000	1,000,000	900,000	-	-	-	-	500,000	-	1,400,000	-	-	-	0.00%	1.03%
19	Oceanfront - DCC - P-12 Oceanfront Park	500-Engineering	Growth	M	2,400,000	400,000	2,000,000	-	-	-	24,000	-	-	-	2,376,000	-	-	0.00%	1.03%
20	Annual Paving Program	500-Engineering	Master Plan	Α	6,600,000	1,200,000	1,350,000	1,350,000	1,350,000	1,350,000	-	-	-	-	-	6,600,000	1,200,000	4.08%	5.10%
21	DCC - R-15 - Garibaldi/Tantalus Signal	500-Engineering	Master Plan	M	250,000	25,000	225,000	-	-	-	-	-	-	-	115,000	135,000	13,500	0.05%	5.15%
22	Active Transportation Improvements	500-Engineering	Master Plan	Α	4,300,000	1,100,000	800,000	800,000	800,000	800,000	-	-	-	4,300,000	-	-	-	0.00%	5.15%
23	DCC - R-4 and R-11 - Pioneer Way Extension	500-Engineering	Master Plan	M	9,450,000	1,150,000	2,300,000	-	6,000,000	-	2,000,000	2,482,000	-	621,000	4,347,000	-	-	0.00%	5.15%
24	Flood Protection Upgrades	500-Engineering	Master Plan	Α	22,000,000	6,000,000	4,000,000	4,000,000	4,000,000	4,000,000	-	12,000,000	-	10,000,000	-	-	-	0.00%	5.15%
25	Paradise Valley Bailey Bridge - Abutment Replacement	500-Engineering	Municipal Infrastructure	М	450,000	50,000	400,000	-	-	-	450,000	-	-	-	-	-	-	0.00%	5.15%
26	Transit Stop Infrastructure Improvements	500-Engineering	Municipal Infrastructure	Α	500,000	100,000	100,000	100,000	100,000	100,000	-	-	-	500,000	-	-	-	0.00%	5.15%
27	Transportation System Improvements	500-Engineering	Municipal Infrastructure	Α	500,000	100,000	100,000	100,000	100,000	100,000	-	-	-	500,000	-	-	-	0.00%	5.15%
28	CN Rail Crossing Improvements	500-Engineering	Municipal Infrastructure	Α	5,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	-	4,000,000	-	-	-	0.00%	5.15%
29	Temporary Storage (Sea Cans) for Public Works	510-Public Works	Growth	S	20,000	20,000	-	-	-	-	-	-	-	-	-	20,000	20,000	0.07%	5.22%
30	Electrical Kiosk for Hendrickson Field Lighting and Special Event		Municipal Equipment	S	65,000	65,000	-	-	-	-	-	-	-	-	-	65,000	65,000	0.22%	5.44%
31	Freightliner Single Axle Dump Truck Replacement (V9426)	510-Public Works	Municipal Equipment	S	370,000	370,000	-	-	-	-	100,000	-	270,000	-	-	-	-	0.00%	5.44%
32	Cleveland / Buckley Intersection Electrical System Upgrade	510-Public Works	Municipal Infrastructure	S	45,000	45,000	-	-	-	-	-	-	-	-	-	45,000	45,000	0.15%	5.59%
33	Cleveland Ave Decorative Streetlight End-of-Life Replacement	510-Public Works	Municipal Infrastructure	S	45,000	45,000	-	-	-	-	-	-	-	-	-	45,000	45,000	0.15%	5.74%
34	Public EV Charging Station Infrastructure	510-Public Works	Strategic Plan	М	100,000	50,000	-	-	-	-	-	-	-	-	-	50,000	50,000	0.17%	5.91%
35	Replacement and Electrification of DOS Fleet Vehicles and Instal		Strategic Plan	M	322,000	205,000	117,000	-	-	-	127,000	-	195,000	-	-	-	-	0.00%	5.91%
36	New Wood Chipper	520-Fleet Management	Municipal Equipment	S	62,000	62,000	-	-	-	-	62,000	-	-		-	-	-	0.00%	5.91%
37	SSAR Water Rescue Truck	520-Fleet Management	Municipal Equipment	S	66,000	66,000	-	-	-	-	-	-	-	66,000	-	-	-	0.00%	5.91%
38	Child Care Facility Valleycliffe Grant	600-Planning & Building	Growth	М	1,600,000	1,040,000	560,000	-	-	-	-	-	-	1,600,000	-	-	-	0.00%	5.91%
39	Dentville Community Park	600-Planning & Building	Municipal Infrastructure	S	227,000	227,000	<del>-</del>	-	-	-	-	-	-	227,000	-	<del>-</del>		0.00%	5.91%
40	Portable Aluminum Bleachers for Brennen Park Sports Fields	720-Parks & Trails	Municipal Infrastructure		25,000	10,000	5,000	-	-	-	-	-	-	-	-	15,000	10,000	0.03%	5.95%
41	Field 2/3/4/6 Baseball Backstop Replacement	720-Parks & Trails	Municipal Infrastructure	М	160,000	40,000	40,000	40,000	40,000	-	-	-	-	-	-	160,000	40,000	0.14%	6.08%
		2020 DECOMMENDES C	ADITAL DI AN		00 104 000	24 425 000	26 206 222	14702000	12 550 000	7.540.000	4 4 5 0 5 0 5	22 402 000	11 210 000	24 522 500	£ 020 000	7 427 000	1 700 505		
		2020 RECOMMENDED C	APITAL PLAN		90,194,000	24,135,000	26,384,000	14,702,000	13,558,000	7,549,000	4,110,500	32,102,000	11,318,000	24,522,500	6,838,000	7,437,000	1,790,500		
		LIBRARY and COMMUNI	TY REOUESTS																
42	Water Line for New Community Garden at Eagle Wind Park	720-Parks & Trails	Municipal Infrastructure	S	13,500	13,500	-	-	-	-	_	-	_	-	-	13,500	13,500	0.05%	6.13%
43	Eagle Wind Park Tennis Court Conversion to Pickleball	720-Parks & Trails	Municipal Facilities	5	50,000	50,000	_	_	_	_	_	_	_	_	_	50,000	50,000	0.03%	6.30%
44	Light up buildings	250-Facilities	Municipal Facilities	ς	40,000	40,000	- -	-	-	-	_	_	_	- -	_	40,000	40,000	0.17%	6.43%
45	Public Computer System upgrade	700-Library	Municipal Equipment	ς	40,000	40,000	_	_	_	_	_	_	_	_	_	40,000	40,000	0.14%	6.57%
46	Library internal space improvements	700-Library	Municipal Equipment	ς	50,000	50,000	- -	-	-	-	_	_	_	- -	_	50,000	50,000	0.14%	6.74%
-10	Elevary internal space improvements	LIBRARY and COMMUNI		J	193,500	193,500					_							0.17 /0	0.7 770
		LIDNAKT AND COMMUNI	III NEQUESTS		193,500	193,300	-	-	-	-	-	-	-	-	-	193,500	193,500		

## DISTRICT OF SQUAMISH 2020-2024 FINANCIAL PLAN

					TOTAL			ANNUAL COST					FUNDING SOU	JRCES - TOTAL			FUNDING SOURCES		
					PROJECT						Acc. Surplus			Grants &			Taxation /	% on	Cummu
REF	Project Name	Department	Category	Type	COST	2020	2021	2022	2023	2024	or Provision	Borrowing	Reserve	Other	DCC	Taxation	Fees	2019 Tax	tive %
		FUTURE PROJECTS																	
47	New Volunteer Fire Hall - Garibaldi Estates	260-Real Estate	Master Plan	M	3,100,000	-	300,000	2,800,000	-	-	-	-	3,100,000	-	-	-	-		
48	Brennan Park arena exterior enclosure for ice resurfacer	250-Facilities	Municipal Equipment	S	75,000	-	75,000	-	-	-	-	-	-	-	-	75,000	-		
49	Adventure Centre new washroom counters	250-Facilities	Municipal Facilities	S	30,000	-	30,000	-	-	-	-	-	-	-	-	30,000	-		
50	Brennan Park Community Centre roof and HVAC replacement	250-Facilities	Municipal Facilities	S	900,000	-	900,000	-	-	-	-	900,000	-	-	-	-	-		
51	Skyline Place Drainage Repair	500-Engineering	Municipal Infrastructure	S	50,000	-	50,000	-	-	-	-	-	-	-	-	50,000	-		
52	New F550 Haul-All Garbage Truck	510-Public Works	Municipal Equipment	S	160,000	-	160,000	-	-	-	-	-	160,000	-	-	-	-		
53	Streetlight LED Conversion Program Year 3 of 3	515-PW Electrical & Instrur	m Municipal Infrastructure	M	100,000	-	100,000	-	-	-	-	-	-	-	-	100,000	-		
54	Squamish Fire Rescue Chevrolet Silverado Pick-up Replacement	(' 520-Fleet Management	Municipal Equipment	S	52,000	-	52,000	-	-	-	-	-	52,000	-	-	-	-		
55	Ford F350 Replacement (V9086)	520-Fleet Management	Municipal Equipment	S	54,000	-	54,000	-	-	-	-	-	54,000	-	-	-	-		
56	600V MTU Generator Trailer Replacement (V9424)	520-Fleet Management	Municipal Equipment	S	150,000	-	150,000	-	_	-	-	-	150,000	-	-	-	_		
57	Ingersol Rand Roller Replacement (V9491)	520-Fleet Management	Municipal Equipment	S	80,000	-	80,000	-	_	-	45,000	-	35,000	-	-	-	_		
58	Waste Management System Growth (Bear Proof Garbage Cans)	530-Roads & Drainage	Growth	S	19,200	-	19,200	-	_	-	-	-	-	-	-	19,200	_		
59	Mobile Library 2021	700-Library	Growth	S	75,000	-	75,000	-	_	-	-	-	-	75,000	-	-	_		
60	Campground Covered Area Structure Replacement	720-Parks & Trails	Municipal Facilities	S	48,000	-	48,000	-	-	-	-	_	_	-	-	48,000	_		
61	Facilities Capital Plan future years	250-Facilities	Municipal Facilities	M	2,492,500	_	-	1,160,000	1,297,500	35,000		_				.,	_		
62	Fire Pumper Truck Replacement (V7111)	320-Fire Services	Municipal Equipment	S	1,000,000	-	-	1,000,000	-	-		-					_		
63	Pemberton Bridge	500-Engineering	Municipal Infrastructure	M	4,550,000	_	_	750,000	800,000	3,000,000		_					_		
64	Real Estate Facilities - Future Needs	260-Real Estate	Master Plan	М	5,250,000	_	_	-	3,600,000	1,650,000		_					_		
65	Deep Tine Tractor Attachment Replacement	520-Fleet Management	Municipal Equipment	5	23,000	_	_	_	23,000	-	_	_	23,000	_	_	_	_		
66	Toro Debris Blower Trailer Replacement (V9088)	520-Fleet Management	Municipal Equipment	S	8,000	_	_	_	8,000	_	_	_	8,000	_	_	_	_		
67	Jacobsen Mower Replacement for Parks (V9087)	520-Fleet Management	Municipal Equipment	S	35,000	_	_	_	35,000	_	_	_	35,000	_	_	_	_		
68	MH400 Material Handler Trailer Replacement (V9432)	520-Fleet Management	Municipal Equipment	S	28,000	_	_	_	28,000	_	_	_	28,000	_	_	_	_		
69	Rehabilitation of Brennen Park Artificial Turf Field	720-Parks & Trails	Municipal Infrastructure	S	500,000	_	_	_	500,000	_	_	_	500,000	_	_	_	_		
70	New Holland T4 Tractor Replacement (V9089)	520-Fleet Management	Municipal Equipment	5	111,000	_	_	_	500,000	111,000		_	111,000	_	_	_	_		
70 71	Freightliner M2 Tandem Dump Truck Replacement (V9432)	520-Fleet Management	Municipal Equipment	5	370,000	_	_	_	_	370,000		_	370,000	_	_	_	_		
<i>,</i> ,	Treightimer M2 Tandem Dump Truck Replacement (V9432)	320-i leet Management	Municipal Equipment	3	370,000					370,000			370,000						
		FUTURE PROJECTS			19,260,700		2,093,200	5,710,000	6,291,500	5,166,000	45,000	900,000	4,626,000	75,000		322,200			
		TOTORETROJECTS			15,200,700		2,033,200	3,7 10,000	0,271,300	3,100,000	45,000	300,000	4,020,000	73,000		322,200			
		CARRYFORWARD			14,721,900	12,773,500	1,559,400	173,000	200,000	-	1,353,100	3,387,500	4,476,800	673,000	4,815,500	-	-		
		UTILITIES			33,733,000	7,035,000	11,948,000	7,075,000	5,300,000	2,250,000	2,920,000	5,450,000	118,000	-	10,355,000	14,765,000	3,210,000		
		TOTAL 2020-2024 CAPIT	AL PLAN		158,103,100	44,137,000	41,984,600	27,660,000	25,349,500	14,965,000	8,428,600	41,839,500	20,538,800	25,270,500	22,008,500	22,717,700	5,194,000		

Climate Mitigation Projects

Climate Adaptation Projects

Project Type: A = Annual; M = Multi Year; S = Single Year

	CT OF SQUAMISH 2020-2024 FINANCIAL PLAN LL PROJECTS - GENERAL FUND		
Ref#	Project Name	Project Description	Project Justification Benefits
1	Thunderbird Radio Tower Replacement	The Thunderbird Radio Tower replacement project got the go-ahead last year with 25k allocated in 2019 for Engineering assessment and design work, which is currently in progress. An addtional 155k was proposed for 2020 fo the actual replacement project.	There is a risk that the tower could fail in a storm, causing injuries or death to hikers and damage to property. There is also a risk that if an employee is injured while working on the tower, WorkSafeBC and other insurers will not provide coverage. Contractors are unwilling to work on the tower for that reason. The tower serves as the main link for Fire Radio communications and it is the radio link for many critical Scada sites. These services will fail if there's a structural tower issue.
2	Technology Transformation Program	This program is continuing with new dedicated resources including a new Program Director. There will be a carry forward for 2020. Currently there are four major workstreams: UBW Core Financials post go-live support, Payroll and Electronic Timesheets (go-live Q4 of 2019), Tempest Development Management (go-live 2020), and Tempest Financials (on hold, go-live tbd). The program will be revised and extended beyond 2020 with new plans and budget requirements in development.	The organization faces certain risks by relying on aging software with limited support. Managers often don't have the information and reports they need making it difficult to plan, control and manage daily operations and major projects. Budgeting and capital planning is difficult and time consuming. Some areas lack systems altogether, relying on workarounds and interim solutions. Many tasks are handled manually. Larger, modern systems will help to integrate and streamline business processes across the organization. Internal operations and customer service will improve. Efficiency gains will stem the tide against ongoing increases in required staff.
3	Annual Workstation Upgrades	Workstations are replaced on an ongoing basis by identifying those machines that fall below a set performance standard. It has been the IT Department's goal to provide all areas that require regular use of computers with workstations that are not older than five years. As the organization continues to grow, there are also new staff who require desktop workstations and in many cases laptops or tablets.	Extended warranties on workstation hardware generally expire after 3 years and performance issues and hardware failures start to critically impact staff productivity and IT support time by the 5 year mark . It's important that staff who use specialized software have the right hardware to support those resource intensive applications. We are also making use of tablets in the field as the technology is maturing and more internal business tools and apps are available. Laptops will also continue to be needed as more work is done away from the office and meetings are held at various locations away from Municipal Hall.
4	Fibre Conduit Installations	A fibre optic loop owned and operated by the District offers a substantial annual cost savings to our current telecommunications managed network. The foundation for this is laying conduit in the ground, connecting District facilities. Coordinating these efforts with planned capital and development projects, provides a significant savings during installation. Progress has been made in the last two years creating a conduit backbone that will link Public Works, Brennan Park, the Emergency Operations Centre, Squamish Adventure Centre and Municipal Hall. Further work is required in order to complete the conduit connections to these sites, install fibre optic cable, and extend the network.	<see business="" case="" dcouments=""> Connecting District buildings with fibre optic cable will result in significant operational savings. The annual cost of our current three year Telus managed network contract is \$175,000. Flexibility has been negotiated into the contract that will allow the District to "turn-off" some sites without penalty. Doing so, will result in an immediate monthly savings that will continue over the long term.</see>
5	RCMP Mechanical upgrades	The RCMP building is 14 years old and some of the mechanical equipment will be reaching the end of its life over the next 5 years. Staff have worked with a mechanical consultant to examine existing systems and put together a replacement plan. The equipment includes two gas boilers, 24 heat pumps, two hot water storage tanks, geothermal pumps and the direct digital control (DDC) system. The plan identifies the year that the equipment should be replaced, budget figures and also identifies alternatives to use in order to provide better efficiency and energy savings.	Phase 1 in 2020 is the replacement of the existing gas boilers that provide hot water for the change rooms as well as the heating system. The boilers are very inefficient and currently run at 60% efficiency. High efficiency condensing boilers are now proposed as well as replacing the hot water storage tanks with an on demand system. Rebates from Fortis may be available and will be explored once systems have been specified. These upgrades are estimated to save \$2250 a year in energy costs or 12 tonnes of GHG. In the subsequent years up to 2025, the plan is to make some upgrades to the 2 air handling units then start to replace the 24 heat pumps - 6 per year.
6	Library garbage enclosure replacement	The garbage bin at the library is enclosed in an area at the back of the library. There are wooden doors and concrete block walls. There is no roof. The door hardware is rusted and the wood starting to deteriorate. This project proposes to replace the current structure with a new structure with a roof. The new design of the structure will follow the Wildlife Attractant bylaw No. 2053 to ensure that the structure is bear proof. The work was planned for 2019 but the quote received was in excess of available budget.	A new structure with a roof will keep out the rain, snow and leaves. Without a roof, the area gets filled with snow and leaves and is always wet and slimy inside through the winter. Staff are starting to find drug related items including syringes on the ground around the bin that people toss over the walls. This of course is a serious health risk. It will also remove the risk of contact with any hazardous substance. The new design will also ensure that the structure is bear proof.

	T OF SQUAMISH 2020-2024 FINANCIAL PLAN L PROJECTS - GENERAL FUND		
Ref#	Project Name	Project Description	Project Justification Benefits
7	Brennan Park arena emergency exit stair replacement	There are two emergency exit stairs leading off the back of the arena. They were both inspected by an engineer in 2017 and repairs were identified. On further inspection in 2018 it was noted that the stairs had deteriorated considerably over the winter to the extent that the engineer has now recommended replacement. The stairs are steel with a concrete deck and no roof. Once the engineer completed to scope of work and the project was issued for tender, costs were considerably higher than originally thought. One set of stairs will be replaced in 2019 and the second set in 2020.	The new stairs will also be made of steel but the proposal is to cover the top landing to reduce erosion from rain and snow and provide a safer exit route for staff as it eliminates snow and ice build up. In addition, the stairs near the roof access will have mesh added to the sides to prevent kids from playing on the stairs and using them to access the roof. Thus reducing risk. The engineer has declared that the stairs need to be replaced. The set being replaced in 2019 were immediately closed and removed with a temp set in place until the new set arrives. The other set needs to be replaced within 12 months.
8	Brennan Park arena fire exit door replacement	There are five sets of fire exit doors around the arena that need replacement. The doors are starting to fail. They are used often by staff and patrons exiting the building.  Building Code requires fire exit doors to open easily in the case of a fire. These doors are also part of the building security and staff need to be confident that they stay locked once closed. The replacement will also include new magnetic locks that are released in the case of a fire alarm.	
9	Brennan Park arena new de-humidifier	The three mechanical dehumidifiers and dessicant dehumidifier are 30 years old and close to the end of their service life. They play a vital role in the removal of moisture from the arena. This project proposes to replace them with one larger more efficient and reliable unit. Two of the units are currently electric and it is proposed to install a more efficient gas model. The cost includes new duct work.	As this equipment ages it becomes less reliable or effective. Replacing the units before they fail completely with more efficient models will allow for a smoother and safer ice surface, improved indoor air quality and energy savings. The existing units are constantly failing which has serious impacts on the quality of the ice especially through the warm and rainy fall period. The old units can remain in place and be used as back up if needed. The new unit will have a reclaim component which makes it very energy efficient.
10	Parkland Acquisition	The Real Estate and Facilities Master Plan adopted by Council in July 2019 identifies "Priority Acquisitions" to occur within the first three years of the plan.	The Real Estate and Facilities Master Plan adopted by Council in July 2019 identifies "Priority Acquisitions" to occur within the first three years of the plan.
11	Interim Space for Munucipal Hall	The Real Estate and Facilities Master Plan (REFMP) endorsed by Council in 2019 identified the need to replace several facilities to address current and future space shortages and building deficiencies. The REFMP also recommended that interim space be acquired to address current and future space shortages until new facilities are constructed. A new Municipal Hall was identified in the REFMP for completion in five years.	It is recommended that the District pursue the following phased approach over the next 5 years to provide the greatest flexibility to meet future space needs, to minimize the impact on the taxpayer and to maximize the benefit generated by the District's investment:  Phase 1 - Replace existing 1,200 sq.ft. office trailer at municipal Hall with a +/-3,000 sq.ft. trailer.  Phase 2 - Install additional trailer up to 3,000 sq.ft. at Municipal Hall when required.  Phase 3 - Repurpose Municipal Hall Trailers as Community Neighbhorhood Centres, meet space needs at other locations or sell.
12	New Main Fire Hall - Valleycliffe	The District adopted the Real Estate and Facilities Master Plan (REFMP) in July 2019. The REFMP identifies the relocation of the main fire hall to the current Valleycliffe fire hall location as the most immediate facility investment within the next three years. The estimated cost of the project is \$12.2 in 2019.	The project was recommended in the REFMP to enhance community safety by relocating the main fire hall and Emergency Operations Centre out of the floodplain.
13	New Public Works Facility	The District adopted the Real Estate and Facilities Master Plan (REFMP) in July 2019. The REFMP identifies the need to replace the existing Public Works facility within the next three years. The total estimated construction cost is \$12.6m in 2020.	Replacing the current Public Works facility was identified as an important community safety intiative as the current facility is a critical part of the community's emergency reponse infrastructure and is not built to modern seismic standards.
14	Airport Runway Rehabilitation Project	The Squamish Airport is a key component of the District's emergency response infrastructure. The current runway was contsructed in the 1970s without a proper subbase. New cracks appear in the runway annually and existing cracks deteriorate further. Cracking of the runway creates safety issues until they can be repaired. As a result, ongoing substantial repairs are anticipated due to the age and deteriorating condition of the asphalt. A full repaving of the runway is recommended. The total project cost is estimated at 811k. There is the possibility the District can obtain funding from the Province for up to 75%. If successful, the District contribution would be 203k.	The full repaving of the runway is recommended to minimize safety risks and minimize the future cost of runway repairs to the District. A one-time repaving of the runway will eliminate the potential for cracks to create safety issues in the periods (usually 1x /year) between repairs. A new properly constructed runway is estimated to last at a minimum of 25 years without significant maintenance required after the initial \$200,000 investment by the District. Whereas, it is estimated that the District will be required to invest over \$200,000 in reactive ongoing maintenance over the next 25 years if the existing runway is not replaced.

	CT OF SQUAMISH 2020-2024 FINANCIAL PLAN L PROJECTS - GENERAL FUND		
Ref#	Project Name	Project Description	Project Justification Benefits
15	Fire Department Auto Extrication Equipment	Year two of an approved two-year program to replace outdated auto extrication equipment. Purchases were intentionally spaced over two years to lessen the annual impact of the program.	The department's auto extrication equipment is reaching its end of dependable life.  Additionally, changes in automobile manufacturing have led to the need for new equipment. Modern automobile components are stronger than in the past, so the department's current extrication tools are not always able to manipulate car frames as required.
16	Commercial Washer Extractor	After a structure fire, the department decontaminates every set of personal protective equipment exposed to heavy smoke. Currently, this process is done with a residential washer, which is capable of washing half a set of gear at a time. A typical structure fire will see 15-40 firefighters attend, so the decontamination process takes a number of days. A commercial washer extractor will allow the department to cycle 8-10 half-sets of gear per load, greatly increasing post-fire decontamination time. The washer/extractor will also provide a better quality decontamination and reduce drying time.	
17	Ford F150 Supercrew Replacement (6010)	Replacement of Emergency Program F150 per Fleet Replacement Bylaw.	Fully funded by Fleet Reserve.
18	Brennan Park Recreation Centre Renovation #1	The Real Estate and Facility Master Plan (REFMP) identifies a proposed renovation at Brennan Park Recreation Centre in the first three years of the plan. The proposed project is to complete renovations to the auditorium and Tantalus Room plus some aesthetic improvements to the lobby area.	The Brennan Park Recreation Centre is beyond capacity and the current facilities are dated and not optimized. Gymnastics is the largest youth sport in Squamish and further growht is limited until the renovation is complete.
19	Oceanfront - DCC - P-12 Oceanfront Park	Build park at head of oceanfront peninsula. Construction is currently anticipated to start in Spring 2020. This is a Development Cost Charges (DCC) project.	Required work for Squamish Oceanfront Development / Newport Beach Developments as part of the Phased Development and Frontender Agreements.
20	Annual Paving Program	in 2011), the District should be investing approximately 2% annually in capital asset	As part of the Asset Management Plan, the District also completed a Pavement Management Study which involved a detailed condition assessment and prioritization of all the roads within the District and prepared a 20 year replacement plan. Funding levels have been below the recommended amount for several years and the proposed budget is intended to make up for the existing deficit. The District intends to prepare an updated Pavement Management Strategy in 2018 to determine necessary funding levels.
21	DCC - R-15 - Garibaldi/Tantalus Signal	As identified in the Multi-Modal Transporation Plan, this intersection is a major connection to north Garibaldi Estates which is experiencing significant growth. This project will add a signal to the intersection and will be bike and pedestrian friendly. This is a Development Cost Charges (DCC) project.	Improve traffic flow and safety of vehicles, pedestrians and cyclists in this busy intersection.
22	Active Transportation Improvements	The Active Transportation Plan lays out a comprehensive set of recommendations to upgrade pedestrian and cycling infrastructure throughout Squamish to improve safety and encourage active forms of transportation. This budget item will undertake those projects in a phased manner. 2020 includes additional funds anticipated through a Bike BC grant and a Development Cost Charges (DCC) project.	Investments in active transportation will increase use, reducing traffic volume and greenhouse gas production and improving community health.
23	DCC - R-4 and R-11 - Pioneer Way Extension	Upgrade Pioneer Way from Queensway to Discovery Way to an arterial road with curbs, sidewalks, bicycle lanes, no parking per the Development Cost Charges (DCC) Bylaw and as recommended in the Multi-Modal Transportation Plan. Pre-design work has been undertaken in 2019. This is a Development Cost Charges (DCC) project.	Divert truck traffic from residential North Yards neighbourhood. Improve level of service to rapidly developing Business Park.
24	Flood Protection Upgrades	Implementation of flood protection upgrades identified in the District's Integrated Flood Hazard Management Plan (IFHMP). 2020/2021 work will include initial construction of the Xwu'nekw Park sea dike. 2022 and beyond will include the Eagle Viewing Area and other priorities identified in the IFHMP.  There is opportunity to leverage municipal funds with grant funding, however, if grant funding is not forthcoming, the budget includes a significant municipal funding portion as well	Reduce community flood risk. Cost/benefit analysis completed through the Squamish River Floodplain QRA indicates that the benefits in terms of flood loss reductions exceed the cost of construction many times over.
25	Paradise Valley Bailey Bridge - Abutment Replacement	The District's Annual Bridge Inspection identified deficiencies with the existing abutments at the Paradise Valley Bailey Bridge and recommended their replacement.  Work will include a pre-design in 2020 and construction in 2021.	This bridge is the only access point for residents upstream and is a critical evacuation route in the event of a flood.

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26	Transit Stop Infrastructure Improvements	This project will make infrastructure improvements at a selection of transit stops to increase accessibility and augment the transit user's experience. Improvements will vary from year to year. Once requried shelters are in place, staff propose to focus more on improvements to accessibility such as raised pads with sufficient space for wheelchairs to get on and off the bus.	The District is responsible for providing transit stops including any amenities as part of the transit system. Historically the District has budgeted for maintenance of stops (snow clearing, graffiti removal, waste collection), but no improvements to the stops. These improvements are an important component of improving the Squamish Transit system and working towards increasing ridership and mode share.
27	Transportation System Improvements	This is to complete intersection improvements and traffic calming improvements based on public comments. Initial work is anticipated at the Clarke Drive/Hwy 99 intersection to improve pedestrian safety, and to complement improvement work completed by a developer when the interchange was upgraded. The future changes could not be assigned to the developer.	Improvement of safety and address public concerns. Ongoing and chronic public complaints and requests for traffic calming and improvements will require additional budget for any work to be done. Similar request in 2019 had been deferred.
28	CN Rail Crossing Improvements	Transport Canada is requesting all rail crossings to be upgraded by 2021 to improve safety. This project completed a pre-design in 2016 to provide cost estimates to upgrade rail crossings within Squamish in subsequent years. Budget requests in subsequent years	Up to 87% funding can be provided through Transport Canada's Grade Crossing Improvement Program (50%) and CN Rail(37%). Therefore there is a significant opportunity to leverage municipal funds to complete significant safety improvements at
		are placeholders until more firm cost estimates are available.	rail crossings within Squamish with 13 cent dollars. Actual spending will be \$200,000 if there are no grants, but up to the \$1,000,000 if the District is successful with grant applications.
29	Temporary Storage (Sea Cans) for Public Works	Due to community growth, additional materials and equipment storage is required for the Sewer Utility, Electrical and Parks Departments.	Growth
30	Electrical Kiosk for Hendrickson Field Lighting and Special Events	Replacement of privately owned event electrical kiosk.	Current kiosk is a privately owned high voltage substation (25000V) and requires A-ticket electrician to perform maintenance. Additionally the Hendrickson field lights run off this kiosk. If owner decided to remove the kiosk, Hendrickson fields lights would not function. Income stream possible from events such as the Constellation Festival estimated at \$10k - \$12k per event.
31	Freightliner Single Axle Dump Truck Replacement (V9426)	Replacement of 2008 Freightliner single axle dump truck. The truck comes complete with snow and ice control equipment (slide-in sand/salt spreader, nose and underbody plows). Additional items to be added are a brine tank and pre-wetting brine saddle tanks on slide-in sand/salt spreader to optimize (reduce) salt use.	This purchase is partially budgeted for in the the Fleet Replacement Reserve Fund. Currently the fund contains \$269k for this truck, however an additional \$101k is required due to inflation and technology change in addition to the extra implements needed.
32	Cleveland / Buckley Intersection Electrical System Upgrade	Intersection wiring replaced in 2018 using approved PLC budget as it was not sufficient to replace PLC and wiring needed to be done first. 2019 budget request was not approved. Need \$45k for 2020 to complete project that is half complete (replace PLC).	Risk. If existing PLC fails there is a 6 - 10 week lead time on replacement parts.
33	Cleveland Ave Decorative Streetlight End-of-Life Replacement	Replace 60 metal halide decorative streetlight LED fixtures on Cleveland Ave.	Risk - existing fixtures are beginning to fall apart and peices are falling down during wind storms. Energy savings and GHG emission reduction related to LED conversion. Risk that fixtures will simply need to be removed if funding is not available.
34	Public EV Charging Station Infrastructure	Consulting services for preparation and review of RFP for EV infrastructure installation. Funds also to assist with any physical infrastructure improvements requried. Consulting services also to prepare any grant applications.	Electrical vehicle usage is increasing throughout Canada and BC, and the (re)fueling infrastructure to facilitate the continued expansion is also required to expand. Currently there are limited options available in the community for public vehicle charging. Additional EV stations would make charging easier and thereby facilitate EV usage, reducing community GHGe.
35	Replacement and Electrification of DOS Fleet Vehicles and Installation of Charging Stations	Replacement of six existing petroleum powered vehicles with Plug-in Hybrid Electric Vehicle (PHEV) or Battery Electric Vehicles (BEV) over the next two years and installation of temporary charging stations at Public Works and Municipal Hall.	Council Strategic Plan and Climate Emergency Declaration both specifically prioritize GHG emissions reduction. Funding this vehicle replacement plan will be supported the Fleet Replacement Reserve. Various incentives, grants and subsidies currently available for the purchase of PHEV and BEV vehicles and charging infrastructure, will be leveraged to reduce the overall cost to the District for these projects.

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36	New Wood Chipper	New 12" drum wood chipper to be shared between Parks, Public Parks and Squamish Fire Rescue.	Currently the DOS rents a chipper for 4 months (1 month roads, 1 month parks, 2 months SQFR) of the year at \$2,200 / month. If we owned our own we would use it for an additional 2 - 4 months a year with a payback period of just over 3 years. This will also reduce our disposal costs for green waste at the landfill.
37	SSAR Water Rescue Truck	Squamish Search and Rescue water rescue truck (F-350 or similar).	This vehicle will be used primarily for swiftwater rescue response calls, however will also be able to be cross-utilized for other ground search and rescue tasks. This vehicle will be 100% paid for with grant money received by Squamish Search and Rescue.
38	Child Care Facility Valleycliffe Grant	Capital project funded by provincial grant (secured in 2019) to construct a 36-space child care facility in Valleycliffe in partnership with School District 48 (landowner) and Sea to Sky Community Services (operator).	d 100% grant-funded. Provides capital funding for space creation in the community through a partnership with SD48 and SSCS. Squamish is currently facing critical shortage in accessible, affordable child care spaces.
39	Dentville Community Park	Design and build-out of the Dentville Community Park on District property. The park design has been completed in 2019 internally, capital funds need to be carried forward into 2020. Additional funds have been added from Communicty Ammenity Contributions Account.	Denville Park is closely alligned with Council's strategic priority for Neighbourhood Connectivity.
40	Portable Aluminum Bleachers for Brennen Park Sports Fields	Year two of a three year plan approved in 2018 for the 2019 year. New portable aluminum bleachers to replace existing wooden/metal bleachers for BP sports fields.	Existing bleachers are severely degraded and in need of replacement., mostly from a safety point of view.
41	Field 2/3/4/6 Baseball Backstop Replacement	A four-year plan for replacement of end-of-life (40+ year old) baseball backstops at Brennan Park fields.	Risk. Existing backstops are at end-of-life, starting to fall apart and are becoming a liability and possible safety risk.

Ref#	Project Name	Project Description	Project Justification Benefits
42	Water Line for New Community Garden at Eagle Wind	Installation of water service for new community garden at Eagle Wind Park.	Community demand. Water required to irrigate approximately 130 new garden plots.
	Park		
43	Eagle Wind Park Tennis Court Conversion to Pickleball	Converting and upgrading the Tennis courts at Eagle Wind Park to be used for pickleball and tennis.	Community demand.
44	Light up buildings	Council receive 4 - 5 requests annually from organisations such as Big Brothers/Sisters to light up one of our District buildings a different colour, such as purple or green, for a week or more. Staff have attempted several different temporary solutions to light up the Adventure Centre, Library and Municipal Hall but none are satisfactory. This proposal is to replace the existing lighting in the Adventure Centre Pond (that currently	This will allow the District to successfully participate in these initiatives and show support.
45	Public Computer System upgrade	This project will involve replacing all nine public internet computers with updated technology, including improvements to the public printing service (including the possibility of wireless printing functionality), to make the system stream-lined and up-to-date for our community.	Our current public internet computers were last updated in 2015. They were used for 17,006 sessions in 2018, and wireless internet access was used 39,226 times. The library is one of few locations in Squamish for the public to access computing, printing, photocopying and scanning services. In addition, we provide face-to-face support and instruction to the public when using our systems.
46	Library internal space improvements	The addition of modular furniture solutions in order to create more flexibility and make space more useable will allow for the best use of our current library facility. These improvements could include the addition of accoustic panels to separate noisy space from quiet space, the creation of a teen area, and improvements to the staff work area and circulation desk area.	
47	New Volunteer Fire Hall - Garibaldi Estates	The Real EState and Facility Master Plan (REFMP) adopted in July 2019 identified the development of a new volunteer fire hall inh the Gariabldi Estate as soon as the new main fire hall is completed in the Valleycliffe area. The estimated construction cost for this facility is \$3.1m.	
48	Brennan Park arena exterior enclosure for ice resurfacer	The ice resurfacer shed that houses the spare ice resurfacer is reaching end of life. It is a wood structure. The wood is deteriorating. This project proposes a new insulated structure with a concrete pad.	This enclosure protects an expensive piece of equipment. Staff need to be able to acces the machine all winter if the other machine fails.
49	Adventure Centre new washroom counters	The 3 washrooms at the Adventure Centre are heavily used year round. The sink counters are starting to show signs of wear and are close to end of life. The supports have failed and have temporary supports that will need replacing in 1 - 2 years. The counters in all 3 washrooms will be replaced. This project also includes the replacement of the sinks and faucets as they are also at end of life due to 14 years of constant use.	As a tourism office, the Adventure Centre is required to offer a high level of service to the tourists who visit the building daily. This will ensure that the level of service is high and will reduce repair costs for the plumbing currently being paid.
50	Brennan Park Community Centre roof and HVAC replacement	This project proposes to replace the existing 22 year old roof. It is also proposed to replace the roof top units located on the roof. Completing the projects together saves resources and disruption to the facility. Phase 1 of the project was in 2019 and involved an examination of the roof to determine its' current condition, service life left, immediate repairs needed and a budget for replacement. The roof consultant recommended a full roof replacement as soon as possible. The roof is failing and there are 12 spots showing signs of moisture. Replacement is currently proposed for 2021 but this could be adjusted depending on the planned renovations for the community centre.	
51	Skyline Place Drainage Repair	Drainage from the road right of way currently ponds on Skyline Place and overflows onto two private properties causing nuisance flooding and issues relating to ice on steep driveways in the winter. This project will install a catchbasin and storm sewer down the slope to Coho Park in order to alleviate drainage issues.	It is the District's responsibility to manage drainage from road right of ways.

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Ref#	Project Name	Project Description	Project Justification Benefits
52	New F550 Haul-All Garbage Truck	New F550 Haul-All compacting garage truck. Pete to confime price	Currently bear bin garbage can collection is a 7 day per week job in Public Works and Parks. As of 2019 the District owns and services 153 cans. 17 new garbage cans were added from 2018 to 2019. Public works has also received requests for XX additional cans for 2020 at bus stops, bike hubs, trail heads and other high use recreational areas. Labourers have to throw bags of garbage totallying up to 600kg per day overhead into a truck. This work puts staff at high risk for repititive strain and other types of injury.
53	Streetlight LED Conversion Program Year 3 of 3	Multi-year project started in 2017 to convert conventional streetlights to LED.  This is year 3 of a 3 year program. Public Works is recommending to delay this project to 2021 in favour of replacing the Cleveland Ave streetlights (standards and bulbs).	Energy savings by converting to LED streetlights will be \$XXXX / year. Cleveland Ave streetlights are at end of life and are becoming a safety hazard.
54	Squamish Fire Rescue Chevrolet Silverado Pick-up Replacement (V9086)	Replacement of Squamish Fire Rescue Chevrolet Silverado Pick-up with a comparable model of truck.	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538,1976." As of 2019 there is \$42,281 in the Fleet Reserve Fund to apply towards the purchase of this vehcile in 2021.
55	Ford F350 Replacement (V9086)	Replacement of Road and Drainage Ford F350 truck.	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538,1976." There will be sufficient funding in the Fleet Reserve Fund to cover the cost of this vehicle replacement in 2021.
56	600V MTU Generator Trailer Replacement (V9424)	Replacement of Public Works 2008 600V MTU emergency back-up diesel generator.	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538, 1976." There will be sufficient funding in the Fleet Reserve Fund to cover the cost of this vehicle replacement in 2021.
57	Ingersol Rand Roller Replacement (V9491)	Replacement of the existing roller with a larger size roller to allow Roads & Drainage department to be more efficient with shouldering and other maintenance.	Larger roller needed for shouldering and other Roads, Drainage and Parks maintenance.
58	Waste Management System Growth (Bear Proof Garbage Cans)	16 additional bear proof waste containers (13 bus stops and 3 trailheads)	Active transporation initiatives (bus stops & trailheads), community growth, additional bus stops, additional tourist traffic.
59	Mobile Library 2021	The addition of a mobile library service in the form of a mid-size van would allow the library to better serve our spread-out service area, including Area D of the SLRD. The vehicle would be outfitted with library materials to lend, and could also deliver outreach programming, including children's story times, technology training and home delivery to housebound patrons.	With one central branch located in downtown Squamish, the library is limited in its ability to reach all residents. Offering reliable mobile service would positively impact community members with limited ability to travel to our downtown core on a regular basis. The library wold undertake efforts to secure 50% of the cost from other sources.
60	Campground Covered Area Structure Replacement	Replacement of existing campground covered area structure.	Existing structure is at end-of-life and will have to be torn down if it is not replaced.
61	Facilities Capital Plan future years	Facilities Capital Plan future years	Facilities Capital Plan future years
62	Fire Pumper Truck Replacement (V7111)	Replacement for American Lafrance Fire Pumper Truck (V7111)	Replacement for American Lafrance Fire Pumper Truck (V7111)
63	Pemberton Bridge	Pemberton Bridge	Build bridge crossing mamquan blind channell connectingwaterfront to downtown
64	Real Estate Facilities - Future Needs	Real Estate Facilities - Future Needs	Real Estate Facilities - Future Needs
65	Deep Tine Tractor Attachment Replacement	Replacement of 2012 Deep Tine tractor attachment for Parks Department.	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538,1976." There will

	CT OF SQUAMISH 2020-2024 FINANCIAL PLAN L PROJECTS - GENERAL FUND		
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66	Toro Debris Blower Trailer Replacement (V9088)	Replacement of Parks 2012 Toro Debris Blower Trailer.	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538,1976." There will be sufficient funding in the Fleet Reserve Fund to cover the cost of this vehicle replacement in 2023.
67	Jacobsen Mower Replacement for Parks (V9087)	Replacement of 2012 Jacobsen mower in 2023 as per Fleet Replacement Plan and Bylaw.	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538,1976." There will be sufficient funding in the Fleet Reserve Fund to cover the cost of this vehicle replacement in 2023.
68	MH400 Material Handler Trailer Replacement (V9432)	Replacement of Parks Toro MH400 Material Handler Trailer (V9088)	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538,1976." There will be sufficient funding in the Fleet Reserve Fund to cover the cost of this vehicle replacement in 2023.
69	Rehabilitation of Brennen Park Artificial Turf Field	Replacement of top layer (mat) of artificial turf field at Brennen Park.	In 2023 the field material will be beyond end of life and will require replacement.
70	New Holland T4 Tractor Replacement (V9089)	Replacement of Parks 2013 New Holland T4 Tractor (V9089) in 2024.	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538, 1976." There will be sufficient funding in the Fleet Reserve Fund to cover the cost of this vehicle replacement in 2024.
71	Freightliner M2 Tandem Dump Truck Replacement (V9432)	Replacement of 2009 Freightliner M2 Tandem Dump Truck (V9432). The truck comes complete with snow and ice control equipment (slide-in sand/salt spreader, nose and underbody plows). Additional items to be added are a brine tank and pre-wetting brine saddle tanks on slide-in sand/salt spreader to optimize (reduce) salt use.	Identified for replacement by the Fleet Replacement Plan as enacted by the "District of Squamish Equipment Replacement Reserve Fund Bylaw No. 538, 1976." As of 2019 there is \$306,611 in the reserve for replacement of this truck.