

CAPITAL PLAN - Utilities

\$9,243,000

Amount directly funded by rates

\$3,923,060

How the Capital Plan is deployed:

Master Plan Projects

\$4,200,000

Amount directly funded by rates

\$1,100,000

Municipal Services Projects

\$5,043,000

Amount directly funded by rates

\$2,823,060

GROWTH (Incl. DCC)

\$1,637,000

Amount funded by rates

\$85,610

FACILITIES UPGRADES

\$365,000

Amount funded by rates

\$165,000

INFRASTRUCTURE UPGRADES & REPLACEMENTS

\$2,637,000

Amount funded by rates

\$2,493,450

EQUIPMENT UPGRADES & REPLACEMENT

\$404,000

Amount funded by rates

\$79,000

DISTRICT OF SQUAMISH 2019-2023 FINANCIAL PLAN													
UTILITY CAPITAL PROJECTS													
COST									2019 FUNDING				
Ref #	Category	Project Name	2019	2020	2021	2022	2023	TOTAL COST	DCC	DEBT	ACC. SURPLUS	2019 RATES	2019 TOTAL
1	Master Plan	Annual Watermain Replacement	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	5,500,000	-	-	-	1,100,000	1,100,000
2	Master Plan	Water Meter Installations	1,000,000	1,000,000	-	-	-	2,000,000	-	1,000,000	-	-	1,000,000
3	Master Plan	Landfill Vertical Expansion	2,000,000	-	-	-	-	2,000,000	-	2,000,000	-	-	2,000,000
4	Master Plan	Landfill Gas Capture and Flare	100,000	1,250,000	-	-	-	1,350,000	-	100,000	-	-	100,000
5	Growth	DCC W15 - New Reservoir	150,000	3,069,000	-	-	-	3,219,000	117,810	-	32,190	-	150,000
6	Growth	DCC W11a - Decommission Logger's Lane and High School PRV	86,000	-	-	-	-	86,000	85,140	-	-	860	86,000
7	Growth	Automated Non-Potable Bulk Fill Station at Hendrickson Fields	30,000	-	-	-	-	30,000	-	-	-	30,000	30,000
8	Growth	DCC S2 - WWTP - Upsize for Future Growth	450,000	3,780,000	1,770,000	-	-	6,000,000	285,120	-	164,880	-	450,000
9	Growth	New Ford F250 for Wastewater Collections - Growth	46,000	-	-	-	-	46,000	-	-	-	46,000	46,000
	Growth	SODC - DCC- S22 - 450mm diameter Vancouver Street Collector Sewer	250,000					250,000	247,500			2,500	250,000
	Growth	SODC - DCC - W16 - Peninsula Watermain Connection - Galbraith Avenue	100,000					100,000	99,000			1,000	100,000
	Growth	SODC - DCC W-17 Peninsula Watermain Connection - Cattermole Creek	355,000					355,000	351,450			3,550	355,000
	Growth	SODC DCC - W19 Peninsula Road B Watermain	170,000					170,000	168,300			1,700	170,000
10	Infrastructure	Powerhouse Springs Well 3 Replacement	145,000	-	-	-	-	145,000	143,550	-	-	1,450	145,000
11	Infrastructure	Distribution System Flow Meters	30,000	-	-	-	-	30,000	-	-	-	30,000	30,000
12	Infrastructure	Fire Hydrant Installation Program Year 4 of 7	30,000	30,000	30,000	30,000	-	120,000	-	-	-	30,000	30,000
13	Infrastructure	Undergrounding Power Lines to Power House Springs	80,000	-	-	-	-	80,000	-	-	-	80,000	80,000
14	Infrastructure	Annual PRV Replacement	220,000	-	-	110,000	-	330,000	-	-	-	220,000	220,000
15	Infrastructure	Wastewater Treatment Plant Blower Replacement and Energy Efficiency Upgrade	75,000	75,000	-	-	-	150,000	-	-	-	75,000	75,000
16	Infrastructure	Automated Waste Activated Sludge Valve	10,000	-	-	-	-	10,000	-	-	-	10,000	10,000
17	Infrastructure	Replacement of DO Probes for "Old Side" Treatment Process at WWTP	10,000	-	-	-	-	10,000	-	-	-	10,000	10,000
18	Infrastructure	Polymer Optimization Project	20,000	-	-	-	-	20,000	-	-	-	20,000	20,000
19	Infrastructure	Sewer System Electrical Safety Upgrades	21,000	-	-	-	-	21,000	-	-	-	21,000	21,000
20	Infrastructure	VFD Maintenance & Replacement Program	26,000	26,000	26,000	26,000	26,000	130,000	-	-	-	26,000	26,000
21	Infrastructure	Replacement of failed or failing sewage lift station pumps	50,000	15,000	15,000	-	-	80,000	-	-	-	50,000	50,000
22	Infrastructure	WWTP Repair and Replacement	300,000	20,000	85,000	-	-	405,000	-	-	-	300,000	300,000
23	Infrastructure	Gravity Sewer Repair and Replacement	550,000	550,000	550,000	550,000	550,000	2,750,000	-	-	-	550,000	550,000
24	Infrastructure	Forcemain Replacements	1,070,000	625,000	810,000	920,000	780,000	4,205,000	-	-	-	1,070,000	1,070,000
25	Equipment	Panasonic Toughbooks for Utilities	9,000	-	-	-	-	9,000	-	-	-	9,000	9,000
26	Equipment	Multi-functional Heavy Truck	325,000	-	-	-	-	325,000	-	325,000	-	-	325,000
27	Equipment	Scada Radio Replacement - Year 2 of 2	40,000	-	-	-	-	40,000	-	-	-	40,000	40,000
28	Equipment	SCADA Hardware Replacement	30,000	30,000	30,000	30,000	30,000	150,000	-	-	-	30,000	30,000
29	Equipment	New Tandem Axle Vacuum Truck for Utilities	-	600,000	-	-	-	600,000	-	-	-	-	-
30	Facility	Powerhouse Springs Wellfield Fencing	15,000	-	-	-	-	15,000	-	-	-	15,000	15,000
32	Facility	Lift Station Reconstruction	350,000	-	-	-	-	350,000	-	-	200,000	150,000	350,000
			9,243,000	12,170,000	4,416,000	2,766,000	2,486,000	31,081,000	1,497,870	3,425,000	397,070	3,923,060	9,243,000

SPECIAL PROJECTS

\$276,000

Amount directly funded by rates

\$276,000

How the Special Projects Plan is deployed:

Master Plan Projects

\$42,000

Amount directly funded by rates

\$42,000

Municipal Services Projects

\$234,000

Amount directly funded by rates

\$234,000

CAPACITY BUILDING

\$0

Amount funded by rates

\$0

CYCLICAL OPERATIONS

\$0

Amount funded by rates

\$0

INFRASTRUCTURE OPERATIONS & MAINTENANCE

\$172,000

Amount funded by rates

\$172,000

FACILITIES OPERATIONS & MAINTENANCE

\$62,000

Amount funded by rates

\$62,000

DISTRICT OF SQUAMISH 2019-2023 FINANCIAL PLAN UTILITY SPECIAL OPERATING PROJECTS													
COST									2019 FUNDING				
Ref #	Category	Project Name	2019	2020	2021	2022	2023	TOTAL COST	DCC	FEES	ACC. SURPLUS	2019 RATES	2019 TOTAL
1	Master Plan	Water Rate Study	-	50,000	-	-	-	50,000	-	-	-	-	-
2	Master Plan	Solid Waste Bylaw Outreach	42,000	42,000	-	-	-	84,000	-	42,000	-	42,000	42,000
3	Infrastructure	Source Control Effectiveness Study	10,000	-	-	-	-	10,000	-	10,000	-	10,000	10,000
4	Infrastructure	Outfall Inspection	-	20,000	-	-	-	20,000	-	-	-	-	-
5	Infrastructure	Queens Way Lift Station Condition Assessment	-	50,000	-	-	-	50,000	-	-	-	-	-
6	Infrastructure	Feasibility Study to Abandon Judd and Cottonwood Lift Station	-	15,000	-	-	-	15,000	-	-	-	-	-
7	Infrastructure	Design and Operation Plan Update	112,000	-	-	-	-	112,000	-	112,000	-	112,000	112,000
8	Infrastructure	Plateau/Thunderbird Reservoir Condition Assessments	50,000	50,000	-	-	-	100,000	-	50,000	-	50,000	50,000
9	Facility	Replace Fence at Lower University Pump Stations	30,000	-	-	-	-	30,000	-	30,000	-	30,000	30,000
10	Facility	WWTP staff change room	22,000	-	-	-	-	22,000	-	22,000	-	22,000	22,000
11	Facility	Fall Arrest Upgrades - Year 2 of 3	10,000	10,000	-	-	-	20,000	-	10,000	-	10,000	10,000
			276,000	237,000	-	-	-	513,000	-	276,000	-	276,000	276,000

SERVICE LEVEL CHANGES

\$124,785

Amount directly funded by rates

\$124,785

How the Service Level Changes are deployed:

Strategic Plan Projects \$0

Amount directly funded by rates \$0

Master Plan Projects \$0

Amount directly funded by rates \$0

Municipal Services Projects \$124,785

Amount directly funded by rates \$124,785

GROWTH IMPACTS \$54,565

Amount funded by rates \$54,565

CAPACITY BUILDING \$45,220

Amount funded by rates \$45,220

INFRASTRUCTURE
OPERATIONS & MAINTENANCE \$25,000

Amount funded by rates \$25,000

FACILITIES
OPERATIONS & MAINTENANCE \$0

Amount funded by rates \$0

DISTRICT OF SQUAMISH 2019-2023 FINANCIAL PLAN									
UTILITY SERVICE LEVEL CHANGES									
Ref #	Category	Department	Project Name	OPERATING	FTE \$	TOTAL COST	OTHER FUNDING	NET FEES	FTE #
1	Growth	Waste Water	Wastewater Collection and Treatment System Growth	15,000	39,565	54,565	-	54,565	0.50
2	Capacity		Utility Clerk Service Adjustment	-	22,765	22,765	-	22,765	0.28
3	Capacity		Utility Operator I to Utility Operator II Re-class - Wastewater Collections	-	3,975	3,975	-	3,975	-
8	Capacity		Landfill Attendant	18,480	-	18,480	-	18,480	-
5	Infrastructure		Wastewater Treatment Plant Preventative Maintenance	20,000	-	20,000	-	20,000	-
6	Infrastructure		Small Tools Budget for Water Utility Crew	5,000	-	5,000	-	5,000	-
				58,480	66,305	124,785	-	124,785	0.78