

ATTACHMENT A

2019- 2023 Project Plan - Operating and Capital Funds

Summary by Plan

	2019	2020	2021	2022	2023	Total
Supporting Document						
Council's Strategic Plan Update 2016-2019:						
Projects:						
Georgia Avenue Greenway	996,264	-	-	-	-	996,264
Port Drive/South Downtown Waterfront	1,824,854	1,000,000	-	6,000,000	-	8,824,854
Property Acquisition	1,796,531	600,000	600,000	600,000	600,000	4,196,531
Waterfront Walkway Development	9,116,660	4,600,000	8,300,000	8,500,000	3,675,000	34,191,660
Initiatives:						
Poverty Reduction/Affordable Housing	452,129	265,000	265,000	265,000	165,000	1,412,129
Total	14,186,438	6,465,000	9,165,000	15,365,000	4,440,000	49,621,438
Strategic/Organization Plans/Studies:						
Council Directives	467,311	349,000	349,000	349,000	349,000	1,863,311
Council Strategic Plan	40,000	-	-	-	-	40,000
Colliery Dam Park Improvements Process and Action Plan	68,821	-	-	-	-	68,821
Core Review	142,425	75,000	-	-	-	217,425
Culture Plan for a Creative Nanaimo 2014-2020	100,000	100,000	100,000	100,000	100,000	500,000
GIS Technology Plan	78,282	45,000	45,000	45,000	45,000	258,282
Heritage Conservation Program	1,500	-	-	-	-	1,500
Official Community Plan (OCP)	508,543	165,000	165,000	165,000	165,000	1,168,543
Parks, Recreation & Culture Master Plan (2005)	51,750	-	-	-	-	51,750
Sustainability Projects	323,267	-	-	-	-	323,267
Water Conservation Strategies (2014)	85,000	85,000	30,000	30,000	30,000	260,000
Total	1,866,899	819,000	689,000	689,000	689,000	4,752,899
Asset Management Plans:						
Asset Renewal Plan (ARP)	46,188,091	29,456,047	31,774,990	28,987,992	23,301,268	159,708,388
Beaufort Utility Upgrades Storm Drainage Study	28,443	350,000	-	-	-	378,443
Beban Park Master Plan Update (2015)	-	-	134,500	16,000	47,500	198,000
Boxwood Connector Rd - Sanitary Sewer Servicing Study (2012)	-	69,000	-	685,000	-	754,000
Boxwood Rd Connector WM Review (2012)	-	37,000	-	370,000	-	407,000
Business Cases	1,626,496	1,630,000	698,188	478,863	-	4,433,547
Chase River Sanitary Sewer Master Plan (2014)	189,079	-	660,000	-	-	849,079
City Wide Sanitary Sewer Study (2014)	32,000	25,000	314,500	326,000	-	697,500
City Wide Water Dist DCC Review (2016)	131,500	-	-	-	-	131,500
College Heights Water Study (2006)	438,000	-	-	-	-	438,000
Dam Safety Regulations	130,509	66,650	268,200	392,250	235,300	1,092,909
DCC Bylaw	19,018,326	10,244,300	14,238,800	13,558,000	13,217,600	70,277,026
Departure Bay and Neyland PRV Study	160,000	-	-	-	-	160,000
Formal Annual Dam Inspection (2016)	112,500	-	-	-	-	112,500
Formal Annual Dam Review Report	1,066,431	100,000	2,100,000	100,000	-	3,366,431
Harewood Centennial Park Improvement Plan	778,675	39,250	164,565	-	-	982,490
Subtotal	69,900,050	42,017,247	50,353,743	44,914,105	36,801,668	243,986,813
Subtotal - Projects From Plans	85,953,387	49,301,247	60,207,743	60,968,105	41,930,668	298,361,150

Note: A project may support more than one plan, classification is based on major plan supported.

2019- 2023 Project Plan - Operating and Capital Funds
Summary by Plan Continued

	2019	2020	2021	2022	2023	Total
Supporting Document						
Asset Management Plans Continued:						
Maffeo Sutton Park Master Plan Update	492,828	-	75,000	110,000	-	677,828
Millstone Sewer Trunk and Laterals Master Plan (2012)	59,173	622,000	-	221,000	-	902,173
Myra Review (2016)	44,632	-	-	-	-	44,632
Parks & Recreation Security Review (2016)	46,408	-	-	-	-	46,408
Seventh St & Murray St Sewer Relief Modeling Analysis (2015)	296,625	-	-	-	-	296,625
Trail Implementation Plan	-	-	73,300	200,000	200,000	473,300
Transportation Master Plan	2,334,419	3,035,810	5,399,120	626,400	2,610,400	14,006,149
Water Audit Study (2013)	352,238	300,000	300,000	315,000	300,000	1,567,238
Water Supply Strategic Plan (2007)	3,281,086	75,000	-	500,000	-	3,856,086
Total	6,907,409	4,032,810	5,847,420	1,972,400	3,110,400	21,870,439
Total - Projects From Plans	92,860,796	53,334,057	66,055,163	62,940,505	45,041,068	320,231,589
Total - Other Projects	2,908,678	1,382,589	628,188	305,000	217,400	5,441,855
Total - All Projects	95,769,474	54,716,646	66,683,351	63,245,505	45,258,468	325,673,444

Note: A project may support more than one plan, classification is based on major plan supported.

2019- 2023 Project Plan - Operating and Capital Funds
Summary by Major Category and Funding

	2019	2020	2021	2022	2023	Total
PROJECTS						
Strategic	4,291,482	1,505,700	1,459,700	1,314,000	1,246,400	9,817,282
Equipment & Vehicle Program	5,209,604	4,175,591	1,987,845	2,964,465	2,409,167	16,746,672
Facilities Infrastructure & Amenities Program	8,418,416	6,529,087	9,665,691	5,340,507	2,020,787	31,974,488
Information Technology Infrastructure Program	860,238	438,700	1,040,100	1,848,197	2,216,414	6,403,649
Parking Infrastructure Program	1,637,042	937,500	1,003,613	1,477,925	1,300,000	6,356,080
Parks Infrastructure Program	12,783,136	5,674,546	9,346,676	9,457,000	4,505,050	41,766,408
Sanitary Sewer Infrastructure Program	12,761,943	8,444,852	6,792,346	8,002,961	4,662,500	40,664,602
Drainage Infrastructure Program	5,569,314	4,116,660	4,426,000	3,302,000	2,795,500	20,209,474
Transportation Infrastructure Program	19,044,666	10,222,310	15,693,620	19,643,100	14,195,700	78,799,396
Water Infrastructure Program	25,193,633	12,671,700	15,267,760	9,895,350	9,906,950	72,935,393
Total Projects	95,769,474	54,716,646	66,683,351	63,245,505	45,258,468	325,673,444
PROJECT TYPE						
Capital Project	83,277,883	47,284,482	60,614,009	57,199,545	39,606,033	287,981,952
Operating Project	12,491,591	7,432,164	6,069,342	6,045,960	5,652,435	37,691,492
	95,769,474	54,716,646	66,683,351	63,245,505	45,258,468	325,673,444
FUNDING SOURCES						
Drainage DCCs	1,130,532	141,100	1,121,000	1,620,220	-	4,012,852
Parks DCCs	30,429	25,000	25,000	25,000	25,000	130,429
Roads DCCs	3,820,025	321,800	4,753,180	3,270,980	5,468,000	17,633,985
Sewer DCCs	1,948,707	1,071,376	647,040	772,380	109,800	4,549,303
Water DCCs	1,499,292	1,915,553	2,728,962	579,730	1,025,597	7,749,134
Development Cost Charges (DCC) Reserves	8,428,985	3,474,829	9,275,182	6,268,310	6,628,397	34,075,703
Community Works Reserve	6,625,019	4,579,721	3,064,565	4,250,000	645,000	19,164,305
Equipment Depreciation Reserve	2,741,660	3,485,220	1,179,000	1,652,000	1,810,177	10,868,057
Facility Development Reserve	1,547,687	1,618,341	1,778,038	266,405	454,000	5,664,471
Knowles Estate Reserve	38,000	-	-	-	-	38,000
General Fund Asset Mgmt Reserve	14,055,068	5,991,885	7,312,920	10,951,597	7,653,096	45,964,566
Sewer Fund Asset Mgmt Reserve	3,414,972	2,935,224	721,360	3,102,931	450,890	10,625,377
Water Fund Asset Mgmt Reserve	4,800,123	3,499,147	2,480,838	1,781,270	4,398,803	16,960,181
General Reserves	8,106,701	1,758,350	2,304,313	2,252,325	2,530,900	16,952,589
Sewer Reserves	4,416,680	2,707,752	4,538,046	2,132,850	1,340,250	15,135,578
Water Reserves	19,663,474	7,637,000	10,182,400	7,611,250	4,588,550	49,682,674
Operating and Statutory Reserves	65,409,384	34,212,640	33,561,480	34,000,628	23,871,666	191,055,798
Government Grants	748,628	150,000	50,000	-	-	948,628
Grants/Private Contributions	583,335	588,000	-	-	9,000	1,180,335
Grants/Private Contributions	1,331,963	738,000	50,000	-	9,000	2,128,963
General Revenue and User Fees	7,131,304	7,529,677	7,888,089	8,269,135	8,294,845	39,113,050
PILT's	1,306,009	671,000	-	-	-	1,977,009
Internal Borrowing	3,143,584	1,740,500	908,600	2,008,300	2,779,560	10,580,544
Borrowing	9,018,245	6,350,000	15,000,000	12,699,132	3,675,000	46,742,377
Total Funding	95,769,474	54,716,646	66,683,351	63,245,505	45,258,468	325,673,444

2019- 2023 Project Plan - Operating and Capital Funds

2019 Operating and Capital Projects

PROJECTS	AMOUNT	PROJECT HIGHLIGHTS
Strategic	4,291,482	Projects and programs that address specific initiatives, issues or goals.
Equipment & Vehicle Program	5,209,604	The City utilizes a wide range of vehicles and equipment to deliver services. The majority of planned purchases in 2019 are for the renewal of existing assets. Major 2019 purchases include: - Fire Pumper Ladder Apparatus - Automated Garage Trucks - Backhoe
Facilities Infrastructure & Amenities Program	8,418,416	The City currently owns and operates over 100 facilities which support delivery of a wide range of services. Major projects in 2019 include: - Facilities Condition Assessment Program - Beban Complex metal cladding renewal phase 1 - Continuation of multi-year project to replace Fire Station #1 - 25 Victoria Rd replace stucco with a rain screen wall system, north and west faces - Replacement of tube chiller unit at Frank Crane Arena with more efficiency and safer plate plate and frame chiller including low charge option
Information Technology Infrastructure Program	860,238	The City's technology equipment, maintains systems access for network and business applications. Major projects in 2019 include: - Next phase of implementation of Content Management System (CMS) - Enhancements to business applications to improved efficiencies
Parking Infrastructure Program	1,637,042	The City currently owns and operates three multi-level parkades and five parking lots. Major projects in 2019 include: - Bastion Street Parkade renewal of traffic membranes, levels 1 & 2 - Harbourfront Parkade renewal of traffic membranes, half of level 1
Parks Infrastructure Program	12,783,136	Parks infrastructure includes destination parks, neighborhood parks, spray parks, sports field, playgrounds, tennis/sport course and trails. Major projects in 2019 include: - Serauxmen stadium installation of field lighting, two year project - Maffeo Sutton Playground Renewal - Phase 1 of Harewood Centennial Youth Park - Renewal work on Parkway Trail - Installation of new ramp/parking upgrades at Brannen Lake Boat Ramp
Sanitary Sewer Infrastructure Program	12,761,943	The sanitary sewer infrastructure program includes renewal projects for infrastructure at end of life and new/upgrade projects to address current and future capacity issues. Major projects in 2019 include: - Condition Assessment Program - Lambert Ave Utility Upgrade: Replacement of sanitary sewer main on Lambert Ave from Fifth to Sixth - Upland Area Utilities: Replacement of sanitary sewer main on Adby from 3286 Adby to Departure Bay - DCC SS46 Project: Upsizing of sanitary sewer main from Esmt 40 Maki Road to Chase River Pump Station

2019- 2023 Project Plan - Operating and Capital Funds

2019 Operating and Capital Projects Continued

PROJECTS	AMOUNT	PROJECT HIGHLIGHTS
Drainage Infrastructure Program	5,569,314	<p>The drainage infrastructure program includes renewal projects for infrastructure at end of life and new/upgrade projects to address current and future capacity issues.</p> <p>Major projects in 2019 include:</p> <ul style="list-style-type: none"> - Condition Assessment Program - DCC SD60: Phase 1 of installation on new storm detention pond to service Boxwood Connector - Lambert Ave Utility Upgrade: Replacement of drainage main on Lambert Ave from Fifth to Sixth
Transportation Infrastructure Program	19,044,666	<p>The City's Transportation Master Plan (2014) provides direction on expansion/upgrades to the City's transportation infrastructure. Transportation infrastructure includes over 1,100 km of roadways, 400 km of sidewalks, 15 bridge structures, over 3,500 street lights and 85 traffic signals.</p> <p>Major projects in 2019 include:</p> <ul style="list-style-type: none"> - Cycling amenities including Downtown, Fourth and Albert, Harewood Bikeway Phase 5 - DCC R98: Installation of traffic signal at Jingle Pot @ Westwood Lake Rd - Boxwood Connector & Utility Project: Continuation of detailed design and site preparation for Bowen to Northfield section of connector, construction budgeted for 2022 - Road rehabilitation including Pheasant Terrace: Rosstown to Labieux, Jingle Pot: Ashlee to Harwell, Howard: Second to Third, Calder: Jingle Pot to Elena, Westwood: Rockwood to Cather View - Phase 2 of LED street light conversion, supported by business case
Water Infrastructure Program	25,193,633	<p>The water infrastructure program includes renewal projects for infrastructure at end of life and new/upgrade projects to increase capacity and provide redundancy within the system. The long-term water supply plan models future demand due to growth, and provides guidance for capital investment needed to maintain an adequate water supply for the City.</p> <p>Major projects in 2019 include:</p> <ul style="list-style-type: none"> - Condition Assessment Program - Black Diamond Dr WM JP-JP: Replacement of water distribution main from Parkway to Third - Haliburton St Area WM & PED/CYC Project: Replacement of water distribution main on Haliburton from 995 Haliburton to Island Highway - Continuation of upgrades to Towers Pump Station - Construction of two Bulk Water Filling Stations, supported by business case
Total	95,769,474	

2019- 2023 Project Plan - Operating and Capital Funds
Strategic Projects

	2019	2020	2021	2022	2023	Total
Project Costs:						
Strategic Plans:						
Council Strategic Plan	40,000	-	-	-	-	40,000
Economic Development Strategy	30,000	-	-	-	-	30,000
Strategic Review	70,000	-	-	-	-	70,000
Council Committees:						
Community Planning & Development	2,500	2,500	2,500	2,500	2,500	12,500
Community Vitality	2,500	2,500	2,500	2,500	2,500	12,500
Design Advisory Panel	2,500	2,500	2,500	2,500	2,500	12,500
Finance & Audit	18,500	18,500	18,500	18,500	18,500	92,500
Nanaimo Youth Advisory Council	3,000	3,000	3,000	3,000	3,000	15,000
Parks Recreation & Wellness	10,000	10,000	10,000	10,000	10,000	50,000
Public Safety	2,500	2,500	2,500	2,500	2,500	12,500
Public Works & Engineering	1,500	1,500	1,500	1,500	1,500	7,500
Water Supply Advisory	1,500	1,500	1,500	1,500	1,500	7,500
Audits:						
COR External Audit	-	11,700	-	-	11,700	23,400
Financial/Performance Audits	25,000	50,000	50,000	50,000	50,000	225,000
IT Tech: Network Security Audit	20,700	-	20,700	-	20,700	62,100
Culture & Heritage Initiatives:						
Archaeological Site Assessment	6,000	-	-	-	-	6,000
Coal Town Trail	3,007	-	-	-	-	3,007
Downtown Heritage Building Guidelines	1,500	-	-	-	-	1,500
Downtown Façade Grants	39,554	20,000	20,000	20,000	20,000	119,554
Public Art	50,000	50,000	50,000	50,000	50,000	250,000
Environmental Projects:						
Burn it Smart Woodstove Exchange Pgm	16,474	-	-	-	-	16,474
Buttertubs Marsh Hydrology Study	1,777	-	-	-	-	1,777
Climate Change Resiliency Strategy	108,253	-	-	-	-	108,253
Energy Step Code Education & Rebate Pgm	48,221	-	-	-	-	48,221
Geese Management	6,313	-	-	-	-	6,313
Invasive Plant Management Program	22,250	20,000	20,000	20,000	20,000	102,250
Jingle Pot Marsh Restoration	1,000	-	-	-	-	1,000
Seasonal Air Quality Assessment	5,000	-	-	-	-	5,000
Stream Sign Upgrading	3,800	-	-	-	-	3,800
Official Community Plan:						
Official Community Plan (OCP) Update	300,000	-	-	-	-	300,000
Planning Studies	-	75,000	75,000	75,000	75,000	300,000
Property Management Strategy:						
Property Acquisitions - General	1,796,531	600,000	600,000	600,000	600,000	4,196,531
Parks and Recreation Initiatives:						
Community Wellness	11,305	-	-	-	-	11,305
Parks and Recreation Master Plan Update	75,000	75,000	-	-	-	150,000
Subtotal	2,726,185	946,200	880,200	859,500	891,900	6,303,985

2019- 2023 Project Plan - Operating and Capital Funds
Strategic Projects Continued

	2019	2020	2021	2022	2023	Total
Project Costs:						
Social Planning Initiatives:						
Affordable Housing Strategy	2,500	-	-	-	-	2,500
Community Action Team Grant	108,000	-	-	-	-	108,000
Day-Time Drop In Centre	200,000	100,000	100,000	100,000	-	500,000
Housing Legacy Reserve	165,000	165,000	165,000	165,000	165,000	825,000
New Horizon Seniors Grant Pgm	122,671	-	-	-	-	122,671
PlanH Social Connectedness Grant	9,281	-	-	-	-	9,281
Shower Program	39,629	-	-	-	-	39,629
Social Wellness Strategy	45,000	-	-	-	-	45,000
Urban Clean Up	44,856	-	-	-	-	44,856
User Rate Reviews:						
Finance User Fee Review	7,425	-	-	-	-	7,425
Sewer User Fee Review	50,000	-	-	-	-	50,000
Water User Fee Review	44,765	-	-	-	-	44,765
Water Strategies:						
Appliance Rebate Program	15,000	15,000	-	-	-	30,000
Public Education of Water System	35,000	-	-	-	-	35,000
Toilet Rebate Program	40,000	40,000	-	-	-	80,000
Water Conservation Strategy	30,000	30,000	30,000	30,000	30,000	150,000
Water Supply Analysis	150,000	-	-	-	-	150,000
Other:						
Alternate Transportation Education & Marketing	33,566	25,000	25,000	25,000	25,000	133,566
City Orthophotos	65,159	75,000	150,000	25,000	25,000	340,159
Coal Mine Risk Assessment	13,037	-	-	-	-	13,037
Complete Street Guide: Terminal Ave	110,000	-	-	-	-	110,000
Cross Connection Control Grant	100,000	100,000	100,000	100,000	100,000	500,000
EOC Process	16,000	-	-	-	-	16,000
Immigrant Welcome Reception	4,500	4,500	4,500	4,500	4,500	22,500
Public Engagement	50,000	-	-	-	-	50,000
Public Works Days	23,900	-	-	-	-	23,900
Safer School Travel Program	8,510	-	-	-	-	8,510
Safety Initiatives	9,000	-	-	-	-	9,000
Single Use Check Out Bags	15,350	-	-	-	-	15,350
South Waterfront Master Plan	2,148	-	-	-	-	2,148
Sustainable Parking Grant	5,000	5,000	5,000	5,000	5,000	25,000
Subtotal	1,565,297	559,500	579,500	454,500	354,500	3,513,297
Grand Total	4,291,482	1,505,700	1,459,700	1,314,000	1,246,400	9,817,282

**2019- 2023 Project Plan - Operating and Capital Funds
Equipment & Vehicle Program**

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Fleet:						
City Fleet	1,138,378	1,458,000	1,104,000	992,000	590,677	5,283,055
Fire Fleet	1,584,782	1,916,000	-	590,000	1,023,000	5,113,782
Ice Resurfacers	-	-	-	-	185,000	185,000
Equipment:						
Furniture and Equipment	646,655	294,958	286,557	380,652	252,321	1,861,143
Gym Equipment	50,000	-	52,020	-	54,122	156,142
Maintenance Equipment	404,102	189,850	276,819	136,750	138,650	1,146,171
Misc - Fire Equipment	120,330	108,765	137,961	96,750	84,897	548,703
Misc - Fleet Shop Equipment	11,000	79,720	35,500	22,500	4,000	152,720
Misc - Survey Equipment	10,000	10,000	10,000	10,000	10,000	50,000
Park Amenities	16,500	16,500	16,500	16,500	16,500	82,500
SNIC Equipment	64,631	8,500	-	-	50,000	123,131
VICC Kitchen Equipment	-	83,800	24,300	260,450	-	368,550
Total	4,046,378	4,166,093	1,943,657	2,505,602	2,409,167	15,070,897
New/Upgrades:						
Fleet:						
Bylaw Vehicles	34,000	-	-	-	-	34,000
Parks Ops Vehicles	44,000	-	-	-	-	44,000
Sanitation Fleet	554,880	-	-	458,863	-	1,013,743
Equipment:						
Automated Carts	22,284	-	-	-	-	22,284
Furniture and Equipment	26,763	-	-	-	-	26,763
Misc - Fire Equipment	9,312	9,498	9,688	-	-	28,498
Park Amenities	36,750	-	-	-	-	36,750
Parking Equipment - On Street	157,225	-	34,500	-	-	191,725
Water Equipment	278,012	-	-	-	-	278,012
Total	1,163,226	9,498	44,188	458,863	-	1,675,775

2019- 2023 Project Plan - Operating and Capital Funds
Facilities Infrastructure & Amenities Program

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Condition Assessment/Pre-Design/Studies	496,500	470,000	370,000	320,000	320,000	1,976,500
Civic Properties:						
Community Services Building	17,732	-	39,960	-	-	57,692
Northfield School	27,400	-	-	-	-	27,400
Service and Resource Centre (SARC)	29,200	-	-	108,500	30,000	167,700
Bylaw Facilities:						
Animal Shelter	-	-	-	-	31,500	31,500
Cemetery Facilities:						
Bowen Cemetery Office	27,150	-	-	-	-	27,150
Culture & Heritage Facilities:						
150 Commercial Street	80,000	28,000	-	22,500	-	130,500
25 Victoria Rd	293,100	-	-	-	-	293,100
Port Theatre	180,601	310,700	-	5,500	801,360	1,298,161
The Bastion	-	-	23,000	-	-	23,000
Public Safety:						
Fire Headquarters	-	-	-	-	26,000	26,000
Fire Station #1	3,380,879	3,000,000	6,700,000	3,740,269	-	16,821,148
Fire Station #2	36,620	-	-	39,354	-	75,974
Fire Station #3	-	-	-	58,504	-	58,504
Police Operations Building	180,950	75,400	70,000	242,810	70,000	639,160
Parks and Recreation Facilities:						
Beban Complex	325,000	221,000	1,348,788	216,405	-	2,111,193
Beban House	-	26,550	-	-	-	26,550
Beban Pool	332,811	314,220	10,000	137,205	48,600	842,836
Beban Social Centre	98,943	212,556	173,705	108,000	156,177	749,381
Bowen Park Complex	13,650	55,000	21,000	7,650	36,900	134,200
Total	5,520,536	4,713,426	8,756,453	5,006,697	1,520,537	25,517,649
New/Upgrades:						
Civic Facilities:						
Cross Connection Program	64,680	79,320	-	-	-	144,000
Service and Resource Centre (SARC)	68,421	-	-	-	-	68,421
Culture & Heritage Facilities:						
Nanaimo District Museum	27,200	-	-	-	-	27,200
Public Safety:						
Fire Station #4	5,276	-	-	-	-	5,276
Parks and Recreation Facilities:						
Beban Complex	88,250	-	-	-	-	88,250
Beban Pool	6,985	-	-	-	-	6,985
Beban Social Centre	29,205	-	-	-	-	29,205
Bowen Park Complex	76,334	-	-	-	-	76,334
Total	366,351	79,320	-	-	-	445,671
Subtotal	5,886,887	4,792,746	8,756,453	5,006,697	1,520,537	25,963,320

**2019- 2023 Project Plan - Operating and Capital Funds
Facilities Infrastructure & Amenities Program Continued**

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Parks and Recreation Facilities Continued:						
Centennial	-	-	23,555	-	-	23,555
Cliff McNabb Arena	-	11,700	-	39,335	120,000	171,035
Frank Crane Arena	902,100	177,000	-	24,500	-	1,103,600
Kin Hut	-	36,600	-	-	-	36,600
Kin Pool	5,000	-	21,400	-	-	26,400
Kinsmen Park Washroom Beban Park	-	-	-	-	18,500	18,500
Kinsmen Park Washroom Departure Bay	-	-	-	-	19,800	19,800
Maffeo Sutton Park Washroom	-	-	-	70,000	-	70,000
Nanaimo Aquatic Centre	637,626	1,097,541	622,316	70,000	30,000	2,457,483
Nanaimo Ice Centre	42,950	15,000	60,777	-	219,150	337,877
Oliver Woods Community Centre	12,000	-	50,200	-	-	62,200
Public Works Yard:						
Public Works Yard	110,131	88,000	76,350	114,975	72,800	462,256
Water Facilities:						
Pump Stations	-	-	14,640	-	-	14,640
Water Treatment Plant	-	-	20,000	15,000	20,000	55,000
VICC	88,700	-	-	-	-	88,700
Total	1,798,507	1,425,841	889,238	333,810	500,250	4,947,646
New/Upgrades:						
Parks and Recreation Facilities Continued:						
Cliff McNabb Arena	67,300	-	-	-	-	67,300
Frank Crane Arena	42,300	-	-	-	-	42,300
Harewood Centennial Park - Multi Use Court	40,700	-	-	-	-	40,700
Nanaimo Aquatic Centre	275,124	-	-	-	-	275,124
Nanaimo Ice Centre	29,000	23,000	-	-	-	52,000
Oliver Woods Community Centre	96,801	-	-	-	-	96,801
Public Works Yard:						
Public Works Yard	4,418	-	-	-	-	4,418
Water Treatment Plant:						
Water Treatment Plant	177,379	287,500	20,000	-	-	484,879
Total	733,022	310,500	20,000	-	-	1,063,522
Grand Total	8,418,416	6,529,087	9,665,691	5,340,507	2,020,787	31,974,488

**2019- 2023 Project Plan - Operating and Capital Funds
Information Technology Infrastructure Program**

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Business Applications	140,378	-	-	-	-	140,378
Business Applications - ERP	-	-	-	1,220,197	1,867,414	3,087,611
Computing Infrastructure	120,017	94,350	183,600	458,000	299,000	1,154,967
Total	260,395	94,350	183,600	1,678,197	2,166,414	4,382,956
New/Upgrades:						
Business Applications	135,057	5,000	155,000	5,000	5,000	305,057
Business Applications - CMS	280,969	-	656,500	-	-	937,469
Business Applications - GIS	78,282	45,000	45,000	45,000	45,000	258,282
Computing Infrastructure	37,875	294,350	-	120,000	-	452,225
Total	532,183	344,350	856,500	170,000	50,000	1,953,033
Plans/Studies:						
Studies	67,660	-	-	-	-	67,660
Total	67,660	-	-	-	-	67,660
Grand Total	860,238	438,700	1,040,100	1,848,197	2,216,414	6,403,649

2019- 2023 Project Plan - Operating and Capital Funds
Parking Infrastructure Program

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Bastion St Parkade	802,184	410,400	428,225	360,000	-	2,000,809
Harbourfront Parkade	686,843	484,800	471,600	1,097,925	-	2,741,168
Port of Nanaimo Centre Parkade	62,000	12,300	-	-	1,300,000	1,374,300
Misc Projects	4,452	-	-	-	-	4,452
Total	1,555,479	907,500	899,825	1,457,925	1,300,000	6,120,729
New/Upgrades:						
Harbourfront Parkade	-	-	96,600	-	-	96,600
Parking Signage	21,563	-	7,188	-	-	28,751
Total	21,563	-	103,788	-	-	125,351
Plans/Studies:						
Studies	60,000	30,000	-	20,000	-	110,000
Total	60,000	30,000	-	20,000	-	110,000
Grand Total	1,637,042	937,500	1,003,613	1,477,925	1,300,000	6,356,080

**2019- 2023 Project Plan - Operating and Capital Funds
Parks Infrastructure Program**

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Beach Access	63,129	25,000	25,000	25,000	25,000	163,129
Boat Ramps/Docks	297,100	-	-	-	-	297,100
Communication System	16,935	-	-	-	-	16,935
Condition Assessment/Pre Design	80,700	70,000	95,000	95,000	95,000	435,700
Misc Projects	27,600	56,250	-	-	-	83,850
Parks & Playground	682,764	120,000	218,000	120,000	120,000	1,260,764
Railing Replacement Program	262,386	-	52,500	56,750	18,250	389,886
Recreational Dams	189,319	49,450	50,600	51,750	165,300	506,419
Skatepark Improvements	6,000	-	-	-	-	6,000
Sports Fields/Field Houses	153,851	44,375	6,600	80,000	36,300	321,126
Tennis Court Improvements	-	24,000	24,411	-	22,700	71,111
Trail Development and Rehab	389,857	104,000	104,000	-	-	597,857
Total	2,169,641	493,075	576,111	428,500	482,550	4,149,877
New/Upgrades:						
Cross Connection Control Program	22,000	-	-	-	-	22,000
Misc Projects	7,595	-	-	-	-	7,595
Parks & Playgrounds	869,758	50,000	347,265	106,000	97,500	1,470,523
Public Art	90,000	50,000	50,000	50,000	50,000	290,000
Recreational Dams	27,500	-	-	-	-	27,500
Sports Fields/Field Houses	389,850	442,221	-	-	-	832,071
Trail Development	8,753,660	4,639,250	8,373,300	8,700,000	3,875,000	34,341,210
Total	10,160,363	5,181,471	8,770,565	8,856,000	4,022,500	36,990,899
Plans/Studies:						
Planning	51,750	-	-	172,500	-	224,250
Standards	1,382	-	-	-	-	1,382
Studies	400,000	-	-	-	-	400,000
Total	453,132	-	-	172,500	-	625,632
Grand Total	12,783,136	5,674,546	9,346,676	9,457,000	4,505,050	41,766,408

2019- 2023 Project Plan - Operating and Capital Funds
Sanitary Sewer Infrastructure Program

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Condition Assessment Program	713,304	510,000	485,000	510,000	485,000	2,703,304
Mains	3,377,444	2,989,252	2,899,346	2,934,961	798,500	12,999,503
Total	4,090,748	3,499,252	3,384,346	3,444,961	1,283,500	15,702,807
New/Upgrades:						
Mains	6,032,939	4,745,600	3,208,000	4,358,000	3,104,000	21,448,539
Pump Station	2,254,568	-	-	-	-	2,254,568
Total	8,287,507	4,745,600	3,208,000	4,358,000	3,104,000	23,703,107
Plans/Studies:						
Master Plans	300,000	150,000	150,000	150,000	225,000	975,000
Misc Projects	20,000	-	-	-	-	20,000
Studies	63,688	50,000	50,000	50,000	50,000	263,688
Total	383,688	200,000	200,000	200,000	275,000	1,258,688
Grand Total	12,761,943	8,444,852	6,792,346	8,002,961	4,662,500	40,664,602

2019- 2023 Project Plan - Operating and Capital Funds
Drainage Infrastructure Program

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Condition Assessment Program	124,463	170,000	210,000	260,000	310,000	1,074,463
Mains	3,910,412	3,086,660	1,500,000	584,000	2,485,500	11,566,572
Total	4,034,875	3,256,660	1,710,000	844,000	2,795,500	12,641,035
New/Upgrades:						
Mains	1,330,443	760,000	2,716,000	2,358,000	-	7,164,443
Total	1,330,443	760,000	2,716,000	2,358,000	-	7,164,443
Plans/Studies:						
Misc Projects	20,000	-	-	-	-	20,000
Studies	183,996	100,000	-	100,000	-	383,996
Total	203,996	100,000	-	100,000	-	403,996
Grand Total	5,569,314	4,116,660	4,426,000	3,302,000	2,795,500	20,209,474

2019- 2023 Project Plan - Operating and Capital Funds
Transportation Infrastructure Program

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Bridges	2,414,329	100,000	100,000	100,000	100,000	2,814,329
Condition Assessment Program	-	200,000	-	-	200,000	400,000
Corridor Improvements	393,299	-	-	2,300,000	-	2,693,299
Misc Projects	350,000	375,000	450,000	450,000	450,000	2,075,000
Railway Crossings	25,000	25,000	25,000	25,000	25,000	125,000
Road Rehabilitation	3,310,930	2,281,500	3,532,000	2,004,700	2,250,000	13,379,130
Sidewalk Maintenance Program	-	50,000	-	50,000	-	100,000
Street Lights	51,629	245,000	50,000	50,000	50,000	446,629
Traffic Signals	-	-	50,000	-	500,000	550,000
Transportation Improvements	100,000	600,000	500,000	1,050,000	50,000	2,300,000
Total	6,645,187	3,876,500	4,707,000	6,029,700	3,625,000	24,883,387
New/Upgrades:						
Bus Shelters	169,425	53,725	48,000	48,000	150,000	469,150
Cycling Amenities	772,970	813,585	3,003,500	400,000	300,300	5,290,355
Designs	100,000	-	-	-	-	100,000
Misc Projects	40,000	-	-	-	-	40,000
Pedestrian Amenities	835,536	355,000	1,370,120	423,400	1,505,400	4,489,456
Pedestrian/Cycling Amenities	1,215,264	1,237,500	608,000	-	-	3,060,764
Street Lights	361,722	1,600,000	-	-	-	1,961,722
Transit Amenities	15,000	66,000	-	-	-	81,000
Transportation Improvements	8,388,625	1,545,000	5,892,000	12,602,000	8,550,000	36,977,625
Total	11,898,542	5,670,810	10,921,620	13,473,400	10,505,700	52,470,072
Plans/Studies:						
Mater Plans	-	115,000	-	-	-	115,000
Planning	130,000	180,000	30,000	30,000	30,000	400,000
Standards	48,796	-	-	-	-	48,796
Studies	265,141	255,000	-	75,000	-	595,141
Surveys	57,000	125,000	35,000	35,000	35,000	287,000
Total	500,937	675,000	65,000	140,000	65,000	1,445,937
Grand Total	19,044,666	10,222,310	15,693,620	19,643,100	14,195,700	78,799,396

TMP - Transportation Master Plan

2019- 2023 Project Plan - Operating and Capital Funds
Water Infrastructure Program

	2019	2020	2021	2022	2023	Total
Project Costs:						
Renewal Projects and Programs:						
Condition Assessment Program	226,847	100,000	125,000	100,000	125,000	676,847
Distribution Mains	13,341,664	6,120,300	7,478,360	5,699,350	6,198,650	38,838,324
Misc Projects	176,389	230,000	30,000	30,000	30,000	496,389
Pump Station/PRV Program	2,940,420	412,500	680,000	391,000	370,000	4,793,920
Reservoirs	75,000	-	-	-	-	75,000
Supply Mains	179,037	50,000	450,000	1,000,000	1,000,000	2,679,037
Water Meter Replacement	352,238	300,000	300,000	300,000	300,000	1,552,238
Water Supply Dams	626,121	117,200	117,600	118,000	70,000	1,048,921
Total	17,917,716	7,330,000	9,180,960	7,638,350	8,093,650	50,160,676
New/Upgrades:						
Distribution Mains	1,702,995	1,683,700	811,800	1,517,000	1,738,300	7,453,795
Pump Station/PRV Program	3,131,086	-	-	-	-	3,131,086
Reservoirs	1,598,867	3,333,000	-	-	-	4,931,867
Supply Mains	10,000	-	-	-	-	10,000
Water Supply Dams	500,000	-	5,000,000	500,000	-	6,000,000
Total	6,942,948	5,016,700	5,811,800	2,017,000	1,738,300	21,526,748
Plans/Studies:						
Master Plans	-	250,000	-	-	-	250,000
Misc Projects	20,000	-	-	-	-	20,000
Planning	226,022	-	-	-	-	226,022
Studies	86,947	75,000	275,000	240,000	75,000	751,947
Total	332,969	325,000	275,000	240,000	75,000	1,247,969
Grand Total	25,193,633	12,671,700	15,267,760	9,895,350	9,906,950	72,935,393