

# 2021 – 2025 Project Plan

The 2021 – 2025 Financial Plan includes projects that are consistent with corporate objectives as outlined in the *2019 - 2022 Strategic Plan*, *planNanaimo*, *OCP* and master plans approved by Council such as the Transportation Master Plan. Detailed project information is provided within the following framework: Strategic, Equipment & Vehicle Program, Facilities Infrastructure and Amenities Program, Information Technology Infrastructure Program, Parking Infrastructure Program, Parks Infrastructure Program, Sanitary Sewer Infrastructure Program, Drainage Infrastructure Program, Transportation Infrastructure Program, and Water Infrastructure Program.

The majority of projects in the five-year plan focus on renewal of existing infrastructure to support effective and efficient delivery of current levels of service, and new/upgraded infrastructure required due to growth.

## Project Plan:

The following pages provide a breakdown on the 2021 – 2025 Project Plan:

- Summary by major category or program and funding
- Detail reports for each major category or program and type



## 2021 - 2025 Project Plan

### Summary by Major Expenditure Category and Funding Source

	2021	2022	2023	2024	2025	Total
<b>TOTAL PROJECT EXPENDITURES</b>						
Strategic	5,331,358	1,407,950	1,383,550	1,432,650	1,469,850	11,025,358
Equipment & Vehicle Program	8,175,285	2,631,570	2,767,170	2,284,615	3,934,945	19,793,585
Facilities Infrastructure & Amenities Program	23,539,248	6,648,494	2,971,480	5,746,370	2,670,510	41,576,102
Information Technology Infrastructure Program	3,589,082	2,074,289	3,446,655	570,619	736,950	10,417,595
Parking Infrastructure Program	1,003,871	1,010,500	781,750	1,537,950	22,100	4,356,171
Parks Infrastructure Program	5,836,345	19,039,571	12,042,720	1,961,620	2,379,070	41,259,326
Sanitary Sewer Infrastructure Program	12,450,913	6,559,500	7,712,950	7,121,607	6,354,550	40,199,520
Drainage Infrastructure Program	6,956,876	2,555,000	5,648,000	6,213,700	6,554,500	27,928,076
Transportation Infrastructure Program	21,445,149	15,022,400	10,179,700	16,120,350	18,699,470	81,467,069
Water Infrastructure Program	20,257,185	16,318,570	14,449,266	15,904,980	9,399,475	76,329,476
<b>Total Projects</b>	<b>108,585,312</b>	<b>73,267,844</b>	<b>61,383,241</b>	<b>58,894,461</b>	<b>52,221,420</b>	<b>354,352,278</b>
<b>TOTAL FUNDING SOURCES</b>						
Drainage DCCs	1,116,440	920,000	1,171,740	1,588,718	121,790	4,918,688
Parks DCCs	762,401	-	-	-	-	762,401
Roads DCCs	872,568	5,345,600	2,197,197	5,152,572	2,058,197	15,626,134
Sewer DCCs	665,004	1,138,945	3,215,290	593,980	1,493,003	7,106,222
Water DCCs	3,934,601	3,477,080	1,976,097	1,998,125	997,263	12,383,166
Development Cost Charges (DCC) Reserves	7,351,014	10,881,625	8,560,324	9,333,395	4,670,253	40,796,611
911 Equipment Reserve	-	-	-	-	-	-
Community Works Reserve	12,414,091	1,128,899	2,012,865	5,613,809	546,500	21,716,164
Copier Reserve	10,000	19,600	13,600	21,100	49,300	113,600
Emission Reduction Reserve	393,502	-	-	-	-	393,502
Equipment Depreciation Reserve	5,104,232	2,064,000	2,058,000	1,467,500	2,943,200	13,636,932
Facility Development Reserve	1,948,155	330,145	1,826,755	1,042,870	1,294,825	6,442,750
General Parking Reserve	257,471	435,000	5,250	764,400	22,100	1,484,221
Housing Legacy Reserve	85,200	-	-	-	-	85,200
IT Reserve	1,907,219	380,050	898,700	171,550	740,100	4,097,619
Parkland Dedication Reserve	630,022	-	-	-	-	630,022
Strategic Infrastructure Reserve	3,353,770	1,973,256	900,000	900,000	900,000	8,027,026
General Fund Asset Mgmt Reserve	12,651,254	10,965,500	10,001,323	10,029,740	12,240,143	55,887,960
Sewer Fund Asset Mgmt Reserve	3,713,493	1,425,055	1,857,960	3,402,927	1,396,149	11,795,584
Water Fund Asset Mgmt Reserve	5,454,401	3,410,920	2,055,219	4,241,375	3,385,192	18,547,107
General Reserves	11,382,896	1,657,690	203,680	32,700	85,150	13,362,116
Sewer Reserves	5,704,135	3,937,500	2,576,450	1,554,500	1,875,150	15,647,735
Water Reserves	12,398,237	10,187,970	10,889,090	9,943,180	5,356,510	48,774,987
Operating and Statutory Reserves	77,408,078	37,915,585	35,298,892	39,185,651	30,834,319	220,642,525
Government Grants	456,153	2,950,945	-	-	-	3,407,098
Grants/Private Contributions	789,683	593,000	9,000	9,000	14,000	1,414,683
Grants/Private Contributions	1,245,836	3,543,945	9,000	9,000	14,000	4,821,781
General Revenue	6,395,115	7,353,920	7,741,775	8,041,615	8,351,700	37,884,125
PILT's	-	771,000	100,000	100,000	100,000	1,071,000
Internal Borrowing	2,876,819	171,500	44,550	1,724,800	445,500	5,263,169
Borrowing	13,308,450	12,630,269	9,628,700	500,000	7,805,648	43,873,067
<b>Total Funding</b>	<b>108,585,312</b>	<b>73,267,844</b>	<b>61,383,241</b>	<b>58,894,461</b>	<b>52,221,420</b>	<b>354,352,278</b>

## 2021 - 2025 Project Plan

### 2021 Project Highlights

PROJECTS	AMOUNT	PROJECT HIGHLIGHTS
Strategic	5,331,358	Projects and programs that address specific initiatives, issues or goals.
Equipment & Vehicle Program	8,175,285	The City utilizes a wide range of vehicles and equipment to deliver services. The majority of planned purchases in 2021 are for the renewal of existing assets. In 2020, the City adopted a Green Fleet Strategy which guides the fleet's direction. Major purchases in 2021 include: - Backhoe - 2 Dump Trucks - Automated CNG garbage truck - in-service 2022
Facilities Infrastructure & Amenities Program	23,539,248	The City currently owns and operates over 100 facilities which support delivery of a wide range of services. Major projects in 2021 include: - Construction of a storage shed/garage at the WTP - Animal Shelter renovations - Window replacement at the Port Theatre - Replacement of the electrical substation at Beban Complex - Continuation of multi-year project to replace Fire Station #1
Information Technology Infrastructure Program	3,589,082	The City's technology equipment maintains systems access for network and business applications. Major projects in 2021 include: - Next phase of the implementation of a electronic records management system - Infrastructure improvements to enhance performance capacity
Parking Infrastructure Program	1,003,871	The City currently owns and operates three multi-level parkades and three surface lots. Major projects in 2021 include: - Harbourfront Parkade renewal of traffic membranes phase 1
Parks Infrastructure Program	5,836,345	Parks infrastructure includes destination parks, neighborhood parks, spray parks, sports field, playgrounds, tennis/sport course and trails. Major projects in 2021 include: - Serauxmen Stadium fencing replacement - Waterfront Walkway phased implementation - Neck Point Park washrooms - Millstone Pedestrian Bridge: replacement of bridge previously removed - Rotary Bowl sprint track replacement
Sanitary Sewer Infrastructure Program	12,450,913	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 2021 include: - Comox Area Sanitary Project: Upsize main at Pearson bridge along river bank to address existing capacity shortfalls and to service future growth - Millstone Trunk Sanitary Sewer Upgrades Phase 2*: Sewer DCC project to upsize main within Bowen Park to address existing capacity shortfalls and to service future growth
Drainage Infrastructure Program	6,956,876	The drainage 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 2021 include: - Metral Drive Complete Street Corridor Ph 2*: replace existing system of drainage ditches and culvert crossings on Metral with a piped system to support construction of a new sidewalk - DCC SD7 Wexford Creek: replace existing culvert on Tenth Street with a fish passable box culvert - Seabold & Ptarmigan Intersection Drainage Project: improve drainage infrastructure to address flooding issues

\*Concurrent project - project includes more than one infrastructure type

## 2021 - 2025 Project Plan

### 2021 Project Highlights Continued

PROJECTS	AMOUNT	PROJECT HIGHLIGHTS
Transportation Infrastructure Program	21,445,149	<p>The City's Transportation Master Plan (2014) provides direction on expansion/upgrades to the City's transportation infrastructure. Transportation infrastructure includes roadways, sidewalks, bicycle lanes, bridge structures, street lights, roundabouts and traffic signals.</p> <p>Major projects in 2021 include:</p> <ul style="list-style-type: none"> <li>- Metral Drive Complete Street Corridor Ph 2*: between Aulds Road and Turner Road transportation work includes road rehab, cycling lanes, sidewalks and streetlights.</li> <li>- Lost Lake Road Slope Remediation*: address slope and settlement issues in conjunction with renewal of drainage and sewer infrastructure</li> <li>- Fourth St &amp; Albert St Complete Streets*: creation of a cycling lane on Albert St from Cat Steam to Harewood and road rehab of Fourth St from Bruce to Pine/Albert in conjunction with watermain and drainage infrastructure improvements</li> </ul>
Water Infrastructure Program	20,257,185	<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 2021 include:</p> <ul style="list-style-type: none"> <li>- DCC WS39 Boundary Ave/Island Highway Supply Main Phase 1A: includes upsizing to address condition and capacity and construction on new piping. Once completed this will be the primary supply line to Labieux Pump Station.</li> <li>- James Way PRV Station: replacement of station at end of life and to accommodate future growth</li> <li>- Estevan Utilities &amp; Cycling*: watermain renewal on Estevan and crossing Island Highway work will be completed in conjunction with drainage renewal and new cycling lane</li> </ul>
<b>Total</b>	<b>108,585,312</b>	

\*Concurrent project - project includes more than one infrastructure type

## 2021 - 2025 Project Plan

### Strategic Projects

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Audits</b>						
COR External Audit	-	14,000	-	-	14,000	28,000
Financial/Performance Audits	50,000	50,000	50,000	50,000	50,000	250,000
IT Tech: Network Security Audit	48,150	48,150	48,150	48,150	48,150	240,750
<b>Council Committees</b>						
Advisory Committee on Accessibility & Inclusiveness	5,000	5,000	5,000	5,000	5,000	25,000
Design Advisory Panel	2,500	2,500	2,500	2,500	2,500	12,500
Environment Committee	2,500	2,500	2,500	2,500	2,500	12,500
Finance & Audit	8,000	8,000	8,000	8,000	8,000	40,000
Health and Housing Task Force	2,500	2,500	2,500	2,500	2,500	12,500
Mayor's Leaders' Table	12,000	-	-	-	-	12,000
Nanaimo Youth Advisory Council	3,000	3,000	3,000	3,000	3,000	15,000
Water Supply Advisory	1,500	1,500	1,500	1,500	1,500	7,500
<b>Environmental Projects</b>						
Burn It Smart Woodstove Exchange Program	7,974	-	-	-	-	7,974
CleanBC Better Homes Rebate Program	98,250	-	-	-	-	98,250
Energy Step Code Education & Rebate Program	35,029	-	-	-	-	35,029
Invasive Plant Management Program	20,000	40,000	40,000	40,000	40,000	180,000
Natural Park Areas Assessment Program	48,060	22,500	20,000	13,500	-	104,060
Protection Island Park Tree Planting Project	3,095	-	-	-	-	3,095
Seasonal Air Quality Assessment	-	-	-	5,000	-	5,000
Water Course Restoration & Enhancement Program	39,250	12,500	-	-	-	51,750
<b>Grants</b>						
Appliance Rebate Program	5,000	10,000	10,000	10,000	10,000	45,000
Cross Connection Control Grant	100,000	100,000	100,000	100,000	100,000	500,000
Downtown Façade Grants	20,000	20,000	20,000	20,000	20,000	100,000
Sustainable Parking Grant	5,000	5,000	5,000	-	-	15,000
Toilet Rebate Program	25,000	25,000	25,000	25,000	25,000	125,000
<b>Official Community Plan</b>						
Official Community Plan (OCP) Update	239,721	-	-	-	200,000	439,721
Planning Studies	-	75,000	75,000	75,000	-	225,000
<b>Parks, Recreation &amp; Culture Initiatives</b>						
3D Nanaimo Sign	10,000	-	-	-	-	10,000
Community Wellness Program	8,429	-	-	-	-	8,429
Public Art	96,524	50,000	50,000	50,000	50,000	296,524
<b>Property Management Strategy</b>						
Property Acquisitions - General	1,922,364	600,000	600,000	600,000	600,000	4,322,364
<b>Social Planning Initiatives</b>						
Day-Time Drop In Centre	295,246	-	-	-	-	295,246
Housing First Rent Supplement	35,000	-	-	-	-	35,000
Housing Legacy Reserve	165,000	165,000	165,000	165,000	165,000	825,000
Shower Program	50,200	-	-	-	-	50,200
Urban Clean Up	55,640	-	-	-	-	55,640
<b>Subtotal</b>	<b>3,419,932</b>	<b>1,262,150</b>	<b>1,233,150</b>	<b>1,226,650</b>	<b>1,347,150</b>	<b>8,489,032</b>

## 2021 - 2025 Project Plan

### Strategic Projects Continued

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Strategic Plans</b>						
5G Strategy Study	8,500	-	-	-	-	8,500
Civic Precinct Strategy	95,000	-	-	-	-	95,000
Community Action Sustainability Plan Update	75,000	-	-	-	-	75,000
Council Strategic Plan	4,248	-	20,000	-	-	24,248
Economic Development Strategy	6,884	-	-	-	-	6,884
Fire Dept Review and Stn Location Study	34,095	-	-	-	-	34,095
Parks, Recreation and Culture Master Plan Update	135,561	-	-	-	-	135,561
Public Safety Action Plan	50,000	-	-	-	-	50,000
South End Recreation Centre Feasibility Study	200,000	-	-	-	-	200,000
Social Procurement Strategy	10,023	-	-	-	-	10,023
Water Supply Strategic Plan	172,611	-	-	-	-	172,611
<b>User Fee Reviews</b>						
User Fees Review	7,425	-	-	-	-	7,425
Sewer User Rate Review	7,880	-	-	-	-	7,880
Water User Rate Review	4,790	-	-	-	-	4,790
<b>Other</b>						
#1 Port Drive Redevelopment	112,345	-	-	-	-	112,345
Active Transportation Education & Marketing	44,605	35,000	35,000	35,000	35,000	184,605
Canadian Hazards Emergency Response & Prep	7,163	-	-	-	-	7,163
City Orthophotos	50,000	75,000	50,000	125,000	50,000	350,000
Downtown Way-Finding Signage	91,773	-	-	-	-	91,773
FireSmart Grant	49,380	-	-	-	-	49,380
Immigrant Welcome Reception	4,500	4,500	4,500	4,500	4,500	22,500
Nanaimo Situation Table	30,000	-	-	-	-	30,000
Pandemic Response 2021	500,000	-	-	-	-	500,000
Public Education of Water System	7,996	-	-	-	-	7,996
Public Engagement	13,500	-	-	-	-	13,500
Public Works Days	15,000	31,300	31,900	32,500	33,200	143,900
Safety Initiatives	9,000	-	9,000	9,000	-	27,000
Sealand Park Slope Stabilization Study	50,000	-	-	-	-	50,000
Single Use Check Out Bags	13,823	-	-	-	-	13,823
Sponsorship Project	100,000	-	-	-	-	100,000
Toward Parity Grant	324	-	-	-	-	324
<b>Subtotal</b>	<b>1,911,426</b>	<b>145,800</b>	<b>150,400</b>	<b>206,000</b>	<b>122,700</b>	<b>2,536,326</b>
<b>Grand Total</b>	<b>5,331,358</b>	<b>1,407,950</b>	<b>1,383,550</b>	<b>1,432,650</b>	<b>1,469,850</b>	<b>11,025,358</b>

## 2021 - 2025 Project Plan

### Equipment & Vehicle Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
<b>Fleet</b>						
City Fleet	2,711,772	1,158,500	724,000	1,274,500	574,000	6,442,772
Fire Fleet	2,205,460	656,500	1,322,500	149,000	2,353,300	6,686,760
Ice Resurfacers	-	190,000	-	-	-	190,000
<b>Equipment</b>						
Furniture and Equipment	547,584	307,260	273,615	250,355	373,565	1,752,379
Gym Equipment	53,100	-	54,125	-	56,300	163,525
Maintenance Equipment	595,734	159,000	187,550	277,000	174,400	1,393,684
Misc - Fire Equipment	946,255	120,080	95,170	150,060	142,340	1,453,905
Misc - Fleet Shop Equipment	158,500	11,500	4,000	36,500	-	210,500
Misc - Survey Equipment	13,000	10,000	10,000	10,000	10,000	53,000
Park Amenities	141,365	18,730	19,110	19,500	19,890	218,595
SNIC Equipment	89,500	-	50,000	85,000	146,000	370,500
VICC Kitchen Equipment	110,200	-	-	32,700	85,150	228,050
<b>Total</b>	<b>7,572,470</b>	<b>2,631,570</b>	<b>2,740,070</b>	<b>2,284,615</b>	<b>3,934,945</b>	<b>19,163,670</b>
<b>New/Upgrades</b>						
<b>Fleet</b>						
City Fleet	56,485	-	-	-	-	56,485
Sanitation Fleet	459,600	-	-	-	-	459,600
<b>Equipment</b>						
Furniture and Equipment	9,812	-	-	-	-	9,812
Maintenance Equipment	66,938	-	27,100	-	-	94,038
Misc - Fire Equipment	9,980	-	-	-	-	9,980
<b>Total</b>	<b>602,815</b>	<b>-</b>	<b>27,100</b>	<b>-</b>	<b>-</b>	<b>629,915</b>

## 2021 - 2025 Project Plan

### Facilities Infrastructure & Amenities Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
Condition Assessment/Pre-Design/Studies	647,088	275,000	275,000	300,000	300,000	1,797,088
<b>Civic Properties</b>						
City Hall	-	20,900	-	98,125	24,500	143,525
Service and Resource Centre (SARC)	132,250	20,900	-	28,200	-	181,350
<b>Bylaw Facilities</b>						
Animal Shelter Facility	363,500	-	34,100	-	-	397,600
<b>Nanaimo Fire Rescue</b>						
Fire Station #1	12,464,333	3,180,269	-	-	-	15,644,602
Fire Station #2	-	45,210	-	51,220	-	96,430
Fire Station #3	-	62,520	-	43,010	33,850	139,380
Fire Station #4	31,120	-	-	78,170	-	109,290
Fire Training Centre	29,600	-	-	-	-	29,600
<b>Parks, Recreation and Culture Facilities</b>						
150 Commercial Street	137,002	22,500	-	-	-	159,502
25 Victoria Rd	340,225	-	-	-	-	340,225
Beacon House	67,463	-	-	-	-	67,463
Beban Complex	1,699,425	-	217,100	2,172,640	385,825	4,474,990
Beban House	54,625	-	-	-	-	54,625
Beban Pool	785,440	64,900	50,300	213,050	131,175	1,244,865
Beban Social Centre	184,000	108,000	115,510	-	383,000	790,510
Bowen Park Complex	121,000	162,175	36,900	19,500	22,000	361,575
Cliff McNabb Arena	13,920	-	177,600	91,740	-	283,260
Frank Crane Arena	43,300	63,460	19,750	60,000	196,700	383,210
Kin Hut	-	-	-	10,320	-	10,320
Kin Pool	-	-	-	7,350	183,650	191,000
Nanaimo Aquatic Centre	911,114	244,410	952,550	737,170	224,700	3,069,944
Nanaimo Ice Centre	344,885	12,100	183,650	68,500	-	609,135
NSAR Ops Centre	-	1,367,100	-	-	-	1,367,100
Oliver Woods Community Centre	27,396	-	152,895	-	-	180,291
Parks Yard	-	-	-	-	53,750	53,750
Port Theatre	1,552,389	-	147,400	970,170	478,660	3,148,619
The Bastion	26,030	-	19,500	16,300	-	61,830
<b>Police Services</b>						
Police Annex	11,550	-	-	-	-	11,550
Police Operations Building	150,900	87,050	149,550	127,450	128,400	643,350
<b>Public Works Yard</b>						
Public Works Yard	89,830	181,075	193,175	618,455	65,000	1,147,535
<b>Vancouver Island Conference Centre</b>						
VICC	1,121,967	165,700	-	-	-	1,287,667
<b>Water Facilities</b>						
Pump Stations	25,000	-	-	-	-	25,000
Water Treatment Plant	20,000	10,000	20,000	10,000	20,000	80,000
<b>Total</b>	<b>21,395,352</b>	<b>6,093,269</b>	<b>2,744,980</b>	<b>5,721,370</b>	<b>2,631,210</b>	<b>38,586,181</b>



## 2021 - 2025 Project Plan

### Facilities Infrastructure & Amenities Program Continued

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>New/Upgrades</b>						
<b>Civic Facilities</b>						
Cross Connection Program	131,989	25,000	25,000	25,000	25,000	231,989
City Hall	-	30,225	-	-	-	30,225
Service and Resource Centre (SARC)	873,092	-	-	-	-	873,092
<b>Nanaimo Fire Rescue</b>						
Fire Station #4	6,600	-	-	-	-	6,600
<b>Parks and Recreation Facilities</b>						
150 Commercial Street	6,950	-	-	-	-	6,950
Beban Complex	48,936	-	-	-	-	48,936
Beban Pool	17,223	-	-	-	14,300	31,523
Nanaimo Aquatic Centre	80,400	-	-	-	-	80,400
Oliver Woods Community Centre	66,553	-	-	-	-	66,553
<b>Police Services</b>						
Police Annex	24,046	-	-	-	-	24,046
<b>Public Works Yard</b>						
Public Works Yard	93,107	-	-	-	-	93,107
<b>Water Facilities</b>						
Water Treatment Plant	795,000	500,000	201,500	-	-	1,496,500
<b>Total</b>	<b>2,143,896</b>	<b>555,225</b>	<b>226,500</b>	<b>25,000</b>	<b>39,300</b>	<b>2,989,921</b>
<b>Grand Total</b>	<b>23,539,248</b>	<b>6,648,494</b>	<b>2,971,480</b>	<b>5,746,370</b>	<b>2,670,510</b>	<b>41,576,102</b>

## 2021 - 2025 Project Plan

### Information Technology Infrastructure Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
Business Applications	265,714	-	-	-	-	265,714
Business Applications - ERP	60,000	1,200,500	1,931,880	-	-	3,192,380
Computing Infrastructure	865,664	148,990	865,430	123,400	691,950	2,695,434
<b>Total</b>	<b>1,191,378</b>	<b>1,349,490</b>	<b>2,797,310</b>	<b>123,400</b>	<b>691,950</b>	<b>6,153,528</b>
<b>New/Upgrades</b>						
Business Applications	685,153	71,500	-	-	-	756,653
Business Applications - CAMS	791,579	608,299	468,345	402,219	-	2,270,442
Business Applications - ECM	854,172	-	-	-	-	854,172
Business Applications - GIS	45,000	45,000	45,000	45,000	45,000	225,000
Computing Infrastructure	9,800	-	136,000	-	-	145,800
<b>Total</b>	<b>2,385,704</b>	<b>724,799</b>	<b>649,345</b>	<b>447,219</b>	<b>45,000</b>	<b>4,252,067</b>
<b>Plans/Studies</b>						
Studies	12,000	-	-	-	-	12,000
<b>Total</b>	<b>12,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,000</b>
<b>Grand Total</b>	<b>3,589,082</b>	<b>2,074,289</b>	<b>3,446,655</b>	<b>570,619</b>	<b>736,950</b>	<b>10,417,595</b>

## 2021 - 2025 Project Plan

### Parking Infrastructure Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
Bastion St Parkade	18,800	-	-	-	-	18,800
Harbourfront Parkade	759,600	775,500	5,250	1,537,950	15,400	3,093,700
Off Street Parking	-	215,000	-	-	-	215,000
Port of Nanaimo Centre Parkade	41,195	-	776,500	-	6,700	824,395
<b>Total</b>	<b>819,595</b>	<b>990,500</b>	<b>781,750</b>	<b>1,537,950</b>	<b>22,100</b>	<b>4,151,895</b>
<b>New/Upgrades</b>						
Parking Equipment	174,225	-	-	-	-	174,225
Parking Signage	7,200	-	-	-	-	7,200
<b>Total</b>	<b>181,425</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>181,425</b>
<b>Plans/Studies</b>						
Studies	2,851	20,000	-	-	-	22,851
<b>Total</b>	<b>2,851</b>	<b>20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>22,851</b>
<b>Grand Total</b>	<b>1,003,871</b>	<b>1,010,500</b>	<b>781,750</b>	<b>1,537,950</b>	<b>22,100</b>	<b>4,356,171</b>

## 2021 - 2025 Project Plan

### Parks Infrastructure Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
Beach Access	27,415	25,000	25,000	25,000	25,000	127,415
Bike Park	5,195	-	-	-	-	5,195
Boat Ramps/Docks	639,414	-	-	-	-	639,414
Bridges	314,000	-	-	-	-	314,000
Condition Assessment/Pre-Design	159,219	100,000	100,000	125,000	125,000	609,219
Misc Projects	45,248	-	-	-	22,500	67,748
Parks & Playground	178,130	146,400	883,650	120,000	120,000	1,448,180
Pickleball Courts	-	-	29,140	-	-	29,140
Railing Replacement Program	202,010	-	136,780	-	229,740	568,530
Recreational Dams	153,482	77,920	293,880	180,760	49,750	755,792
Sports Fields/Field Houses	1,175,631	666,050	378,700	1,002,860	706,850	3,930,091
Tennis Court Improvements	-	-	22,700	59,450	-	82,150
Trail Development and Rehab	241,212	-	-	73,300	-	314,512
<b>Total</b>	<b>3,140,956</b>	<b>1,015,370</b>	<b>1,869,850</b>	<b>1,586,370</b>	<b>1,278,840</b>	<b>8,891,386</b>
<b>New/Upgrades</b>						
Accessibility	75,000	-	-	-	-	75,000
Misc Projects	104,388	-	-	-	-	104,388
Multi-Use Court	2,043	-	-	-	-	2,043
Paddling Centre	98,739	-	-	-	-	98,739
Parks & Playgrounds	596,957	100,000	257,000	148,550	270,230	1,372,737
Sports Fields/Field Houses	517,620	4,024,201	614,020	-	-	5,155,841
Trail Development	1,081,385	13,900,000	9,301,850	226,700	830,000	25,339,935
Youth Courts/Parks	22,809	-	-	-	-	22,809
<b>Total</b>	<b>2,498,941</b>	<b>18,024,201</b>	<b>10,172,870</b>	<b>375,250</b>	<b>1,100,230</b>	<b>32,171,492</b>
<b>Plans/Studies</b>						
Studies	196,448	-	-	-	-	196,448
<b>Total</b>	<b>196,448</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>196,448</b>
<b>Grand Total</b>	<b>5,836,345</b>	<b>19,039,571</b>	<b>12,042,720</b>	<b>1,961,620</b>	<b>2,379,070</b>	<b>41,259,326</b>

## 2021 - 2025 Project Plan

### Sanitary Sewer Infrastructure Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
Condition Assessment Program	663,979	510,000	485,000	510,000	485,000	2,653,979
Mains	4,238,240	3,047,500	2,551,950	2,034,407	1,077,500	12,949,597
<b>Total</b>	<b>4,902,219</b>	<b>3,557,500</b>	<b>3,036,950</b>	<b>2,544,407</b>	<b>1,562,500</b>	<b>15,603,576</b>
<b>New/Upgrades</b>						
Mains	7,140,104	2,752,000	4,276,000	4,222,200	4,467,050	22,857,354
Pump Stations	8,808	-	-	30,000	-	38,808
<b>Total</b>	<b>7,148,912</b>	<b>2,752,000</b>	<b>4,276,000</b>	<b>4,252,200</b>	<b>4,467,050</b>	<b>22,896,162</b>
<b>Plans/Studies</b>						
Master Plans	164,735	150,000	225,000	225,000	225,000	989,735
Misc Projects	70,000	-	-	-	-	70,000
Studies	165,047	100,000	175,000	100,000	100,000	640,047
<b>Total</b>	<b>399,782</b>	<b>250,000</b>	<b>400,000</b>	<b>325,000</b>	<b>325,000</b>	<b>1,699,782</b>
<b>Grand Total</b>	<b>12,450,913</b>	<b>6,559,500</b>	<b>7,712,950</b>	<b>7,121,607</b>	<b>6,354,550</b>	<b>40,199,520</b>

## 2021 - 2025 Project Plan

### Drainage Infrastructure Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
Condition Assessment Program	226,305	265,000	315,000	315,000	315,000	1,436,305
Mains	2,262,559	1,290,000	2,540,500	3,138,500	5,512,500	14,744,059
<b>Total</b>	<b>2,488,864</b>	<b>1,555,000</b>	<b>2,855,500</b>	<b>3,453,500</b>	<b>5,827,500</b>	<b>16,180,364</b>
<b>New/Upgrades</b>						
Detention Pond	54,244	900,000	-	20,000	100,000	1,074,244
Mains	4,252,632	-	2,792,500	2,590,200	627,000	10,262,332
<b>Total</b>	<b>4,306,876</b>	<b>900,000</b>	<b>2,792,500</b>	<b>2,610,200</b>	<b>727,000</b>	<b>11,336,576</b>
<b>Plans/Studies</b>						
Master Plans	-	100,000	-	150,000	-	250,000
Misc Projects	1,730	-	-	-	-	1,730
Studies	159,406	-	-	-	-	159,406
<b>Total</b>	<b>161,136</b>	<b>100,000</b>	<b>-</b>	<b>150,000</b>	<b>-</b>	<b>411,136</b>
<b>Grand Total</b>	<b>6,956,876</b>	<b>2,555,000</b>	<b>5,648,000</b>	<b>6,213,700</b>	<b>6,554,500</b>	<b>27,928,076</b>

## 2021 - 2025 Project Plan

### Water Infrastructure Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
Condition Assessment Program	102,469	100,000	125,000	100,000	125,000	552,469
Distribution Mains	9,491,743	4,027,250	5,889,950	6,968,700	6,170,540	32,548,183
Misc Projects	16,378	10,000	10,000	10,000	10,000	56,378
Pump Station/PRV Program	1,937,611	-	335,000	420,000	185,000	2,877,611
Reservoirs	75,000	-	-	-	-	75,000
Supply Mains	160,000	3,500,000	3,920,000	2,100,000	20,000	9,700,000
Water Meter Replacement	2,400	300,000	300,000	300,000	300,000	1,202,400
Water Supply Dams	145,536	116,320	70,000	16,980	17,320	366,156
<b>Total</b>	<b>11,931,137</b>	<b>8,053,570</b>	<b>10,649,950</b>	<b>9,915,680</b>	<b>6,827,860</b>	<b>47,378,197</b>
<b>New/Upgrades</b>						
Distribution Mains	1,072,559	1,675,000	3,629,316	1,980,300	2,326,615	10,683,790
Pump Station/PRV Program	288,553	-	-	-	-	288,553
Reservoirs	4,447	-	-	3,834,000	-	3,838,447
Supply Mains	6,400,000	6,400,000	-	-	-	12,800,000
<b>Total</b>	<b>7,765,559</b>	<b>8,075,000</b>	<b>3,629,316</b>	<b>5,814,300</b>	<b>2,326,615</b>	<b>27,610,790</b>
<b>Plans/Studies</b>						
Master Plans	250,000	-	-	-	-	250,000
Misc Projects	84,789	20,000	-	-	95,000	199,789
Planning	20,000	50,000	50,000	50,000	50,000	220,000
Studies	205,700	120,000	120,000	125,000	100,000	670,700
<b>Total</b>	<b>560,489</b>	<b>190,000</b>	<b>170,000</b>	<b>175,000</b>	<b>245,000</b>	<b>1,340,489</b>
<b>Grand Total</b>	<b>20,257,185</b>	<b>16,318,570</b>	<b>14,449,266</b>	<b>15,904,980</b>	<b>9,399,475</b>	<b>76,329,476</b>

## 2021 - 2025 Project Plan

### Transportation Infrastructure Program

	2021	2022	2023	2024	2025	Total
<b>Project Costs</b>						
<b>Renewal Projects and Programs</b>						
Bridges	167,043	100,000	100,000	100,000	-	467,043
Condition Assessment Program	99,846	-	-	-	-	99,846
Misc Projects	352,719	350,000	350,000	350,000	350,000	1,752,719
Pedestrian Amenities	273,745	-	1,800,000	-	-	2,073,745
Railway Crossings	40,000	40,000	40,000	40,000	40,000	200,000
Road Rehabilitation	5,556,630	2,105,000	2,314,000	3,735,000	6,971,200	20,681,830
Sidewalk Maintenance	35,270	50,000	-	50,000	-	135,270
Street Lights	63,000	50,000	50,000	50,000	50,000	263,000
Transit Amenities	15,000	-	-	-	-	15,000
Transportation Improvements	846,876	550,000	600,000	100,000	750,000	2,846,876
<b>Total</b>	<b>7,450,129</b>	<b>3,245,000</b>	<b>5,254,000</b>	<b>4,425,000</b>	<b>8,161,200</b>	<b>28,535,329</b>
<b>New/Upgrades</b>						
Cycling Amenities	5,337,039	125,000	360,300	1,957,000	526,500	8,305,839
Misc Projects	194,683	100,000	100,000	100,000	100,000	594,683
Multi Use Paths	301,675	-	800,000	-	-	1,101,675
Pedestrian Amenities	4,521,180	1,587,400	1,720,400	1,605,000	1,320,000	10,753,980
Street Lights	838,602	-	-	515,000	54,750	1,408,352
Transit Amenities	303,923	50,000	200,000	150,000	150,000	853,923
Transportation Improvements	1,697,023	9,750,000	1,650,000	6,593,350	7,787,020	27,477,393
<b>Total</b>	<b>13,194,125</b>	<b>11,612,400</b>	<b>4,830,700</b>	<b>10,920,350</b>	<b>9,938,270</b>	<b>50,495,845</b>
<b>Plans/Studies</b>						
Master Plans	118,575	-	-	400,000	500,000	1,018,575
Misc Projects	-	15,000	15,000	15,000	15,000	60,000
Planning	199,125	40,000	45,000	50,000	50,000	384,125
Studies	396,501	75,000	-	275,000	-	746,501
Surveys	86,694	35,000	35,000	35,000	35,000	226,694
<b>Total</b>	<b>800,895</b>	<b>165,000</b>	<b>95,000</b>	<b>775,000</b>	<b>600,000</b>	<b>2,435,895</b>
<b>Grand Total</b>	<b>21,445,149</b>	<b>15,022,400</b>	<b>10,179,700</b>	<b>16,120,350</b>	<b>18,699,470</b>	<b>81,467,069</b>