

*Attachment #1*

***Electrical Utility Fund***

*Draft 2024 – 2028 Financial Plan*

*Capital Plan*

*2024 Service Enhancements*

**CORPORATION OF THE CITY OF NEW WESTMINSTER  
ELECTRICAL FUND BUDGET (DRAFT) <sup>1</sup>**

	2023 Projections	2023 Budget	2024 Budget	\$ Chg	Budget Projections			
					2025	2026	2027	2028
<b>REVENUE</b>								
Utility Rates	\$ 60,152,097	\$ 59,979,518	\$ 62,048,642	\$ 2,069,124	\$ 64,306,026	\$ 66,638,918	\$ 69,049,962	\$ 71,541,892
Sale of Services	3,117	50,957	52,486	1,529	54,061	55,682	57,353	59,074
Grants from Other Governments	-	-	-	-	-	-	-	-
Capital Contributions and DCC's	2,450,154	2,450,154	2,100,000	(350,154)	16,700,000	12,000,000	2,650,000	3,000,000
Other Revenue	271,237	292,698	421,670	128,972	510,942	603,260	714,357	826,563
<b>Total Revenues</b>	<b>62,876,605</b>	<b>62,773,327</b>	<b>64,622,798</b>	<b>1,849,471</b>	<b>81,571,029</b>	<b>79,297,860</b>	<b>72,471,672</b>	<b>75,427,529</b>
<b>EXPENSES</b>								
Salaries, Benefits and Training	3,271,671	3,819,948	4,127,994	308,046	4,251,834	4,379,389	4,510,771	4,646,094
Contracted Services	1,656,574	1,495,471	2,204,786	709,315	2,209,046	2,213,306	2,217,566	2,221,826
Supplies and Materials	602,990	530,646	570,646	40,000	570,646	570,646	570,646	570,646
Interest and Bank Charges	1,905,170	1,905,108	1,905,108	0	2,495,508	2,889,108	2,889,108	5,841,108
Utility Purchases and Levies	33,818,655	33,818,655	34,402,027	583,372	35,176,073	35,967,535	36,776,805	37,604,283
Amortization	4,180,393	4,139,000	4,247,000	108,000	5,961,000	6,031,000	6,101,000	6,101,000
<b>Total Expenses</b>	<b>45,435,453</b>	<b>45,708,828</b>	<b>47,457,562</b>	<b>1,748,734</b>	<b>50,664,107</b>	<b>52,050,984</b>	<b>53,065,896</b>	<b>56,984,957</b>
<b>INCREASE IN TOTAL EQUITY</b>	<b>17,441,152</b>	<b>17,064,499</b>	<b>17,165,237</b>	<b>-</b>	<b>30,906,921</b>	<b>27,246,876</b>	<b>19,405,776</b>	<b>18,442,571</b>
<b>Reconciliation to Financial Equity</b>								
Amortization of Tangible Capital Assets	4,180,393	4,139,000	4,247,000	108,000	5,961,000	6,031,000	6,101,000	6,101,000
Capital Expenses	(15,523,914)	(34,376,174)	(35,750,360)	(1,374,186)	(31,332,800)	(23,215,000)	(9,830,000)	(69,770,000)
Debt Retirement	(2,666,912)	(2,615,995)	(2,704,967)	(88,972)	(3,216,967)	(3,617,309)	(3,741,811)	(5,970,568)
Proceeds on Debt Issuance	4,094,615	9,630,450	-	(9,630,450)	12,000,000	8,000,000	-	60,000,000
Transfer from/(to) Other Funds	(7,554,300)	(8,470,250)	(8,535,268)	(65,018)	(8,606,502)	(8,680,230)	(8,756,538)	(8,835,517)
Internal Charges	(2,934,721)	(1,960,810)	(1,999,822)	(39,012)	(2,026,929)	(2,053,120)	(2,079,909)	(2,079,909)
Internal Recoveries	2,923,929	2,759,517	2,849,179	89,662	2,915,703	2,981,529	3,046,738	3,046,738
<b>CHANGE IN FINANCIAL EQUITY (Reserves)</b>	<b>(39,758)</b>	<b>(13,829,762)</b>	<b>(24,729,002)</b>	<b>(10,999,977)</b>	<b>6,600,426</b>	<b>6,693,746</b>	<b>4,145,256</b>	<b>934,315</b>
Financial Equity , beginning of year	42,182,302	39,051,231	42,142,544	3,091,313	17,413,542	24,013,968	30,707,715	34,852,971
<b>FINANCIAL EQUITY (Reserves), end of year</b>	<b>\$ 42,142,544</b>	<b>\$ 25,221,469</b>	<b>\$ 17,413,542</b>	<b>\$ (7,908,664)</b>	<b>\$ 24,013,968</b>	<b>\$ 30,707,715</b>	<b>\$ 34,852,971</b>	<b>\$ 35,787,286</b>

**ELECTRICAL FUND CAPITAL BUDGET**

<b>CAPITAL EXPENSES</b>								
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Vehicles/Equipment	373,100	565,000	1,975,000	1,410,000	505,000	50,000	50,000	150,000
Other Projects	100,000	1,300,000	1,975,000	675,000	1,242,800	625,000	625,000	800,000
Electrical Distribution System	15,050,814	32,511,174	31,800,360	(710,814)	29,585,000	22,540,000	9,155,000	68,820,000
<b>Total Capital Expenses</b>	<b>\$ 15,523,914</b>	<b>\$ 34,376,174</b>	<b>\$ 35,750,360</b>	<b>\$ 1,374,186</b>	<b>\$ 31,332,800</b>	<b>\$ 23,215,000</b>	<b>\$ 9,830,000</b>	<b>\$ 69,770,000</b>
<b>FUNDING SOURCES</b>								
Reserve Funds	\$ 8,979,145	\$ 22,295,570	\$ 33,650,360	\$ 11,354,790	\$ 2,632,800	\$ 3,215,000	\$ 7,180,000	\$ 6,770,000
Long Term Debt	4,094,615	9,630,450	\$ -	\$ (9,630,450)	\$ 12,000,000	\$ 8,000,000	\$ -	\$ 60,000,000
Grants from Other Governments	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contributions	2,450,154	2,450,154	\$ -	\$ (2,450,154)	\$ 14,100,000	\$ 9,400,000	\$ -	\$ -
<b>Total Capital Funding</b>	<b>\$ 15,523,914</b>	<b>\$ 34,376,174</b>	<b>\$ 35,750,360</b>	<b>\$ 1,374,186</b>	<b>\$ 31,332,800</b>	<b>\$ 23,215,000</b>	<b>\$ 9,830,000</b>	<b>\$ 69,770,000</b>

<sup>1</sup> Budget and projections adjusted to reflect current estimates

**DRAFT 2024 - 2028 Electrical Fund Capital Plan**

Item #	Projects	Project Description	2023-2026 Strategic Priority	7 Bold Steps for Climate Action	Routine Renewal or Replace / Improvement or New Add	2024 Multi-Year Budget Commitment	2024 Budget	2025 Forecast Spend	2026 Forecast Spend	2027 Forecast Spend	2028 Forecast Spend	Proposed 2024-2028 5-Year Plan
<b>Electrical Fund</b>												
<b>Electrical Distribution System</b>												
<b>Meters</b>												
1	10182 Electrical Meters	Project Scope/Outcome: Electrical Meters Annual Replacement Program & Net New Meters resulting from development  Estimated Completion: Ongoing	05 Asset Management and Infrastructure		01 Routine Asset Renewal or Replacement	100,000	100,000	100,000	100,000	100,000	150,000	550,000
2	12234 Adv Metering Infrastructure	Project Scope/Outcome: ~40,000 new "automated" meters to replace existing "manual" meters across the City along with IT upgrades/Infrastructure to connect the meters to the City's Financial Systems  Estimated Completion: Q4-2025	05 Asset Management and Infrastructure	05 Carbon Free Energy	02 Improvements or New Additions	13,371,089	13,221,089	150,000				13,371,089
3	Voltage Conversion Study/Design	IN order to undertake the voltage conversion program, several steps must be taken in advance. This includes an initial feasibility study, cost estimating, phasing analysis, etc.	05 Asset Management and Infrastructure	05 Carbon Free Energy	02 Improvements or New Additions	150,000	150,000	250,000				400,000
4	Voltage Conversion	One of the long-term (20-30) strategic initiatives aimed at addressing the increasing load demand on the utility is to convert distribution voltage from 12kv to 25 kv (effectively doubling our capacity). This would require replacing nearly every piece of infrastructure in our distribution as well as upgrades at Substations (no upgrades required at QBS since it was designed for this conversion in mind). Increasing budget funding gradually as the program ramps up.	05 Asset Management and Infrastructure	05 Carbon Free Energy	02 Improvements or New Additions			600,000	1,000,000	2,000,000	3,000,000	6,600,000
<b>Total Meters</b>						<b>13,471,089</b>	<b>13,471,089</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>2,100,000</b>	<b>3,150,000</b>	<b>20,921,089</b>
<b>Electrical New Services</b>												
5	10183 Electrical New Services	Project Scope/Outcome: New Development services (Bossa, Platform, Salter St, East Columbia, Sixth St, Carnarvon St, Quayside Drive, NWACC, Braid St, Keary St & QS Distribution) and City initiatives for undergrounding utility distributions along Front street for the mews and in Queensborough for Ewen Avenue redevelopments. Forecasting a gradual increase annually.  Estimated Completion: Ongoing	05 Asset Management and Infrastructure	03 Carbon Free Homes and Buildings	02 Improvements or New Additions	2,100,000	2,100,000	2,600,000	2,600,000	2,650,000	3,000,000	12,950,000
6	11253 Sapperton District Energy Syst	Project Scope/Outcome: pending signed agreement(s) with third party/developer(s) and Royal Columbian Hospital, the City will build a new District Energy System to avoid and reduce Greenhouse Gas (GHG's) across the City. The current funding will also cover the cost for site design at 151 Spruce street  Estimated Completion: TBD	05 Asset Management and Infrastructure	05 Carbon Free Energy	02 Improvements or New Additions	7,137,299	7,137,299	23,000,000	15,000,000	1,000,000	1,000,000	47,137,299
7	12442 Elec New Serv-Aff Housing	Project Scope/Outcome: Over the next 5-year City will support the success of the Affordable Housing program, city will contribute via infrastructure (new electrical services), land, or in-kind/project oversight  Estimated Completion: Ongoing	05 Asset Management and Infrastructure	03 Carbon Free Homes and Buildings	02 Improvements or New Additions	1,071,972	1,071,972	400,000	400,000	400,000	400,000	2,671,972
8	12443 Elec New Serv-QB Sub offsite	Project Scope/Outcome: offsite distribution grid from new QB Substation to existing high voltage switchgear at Boyd & Wood St. (STEVE TO CHECK WITH MARC IF THIS IS STILL NEEDED SINCE SCOPE SHOULD BE COMPLETE NOW)  Estimated Completion: 2024	05 Asset Management and Infrastructure	05 Carbon Free Energy	02 Improvements or New Additions	500,000	500,000					500,000
<b>Total Electrical New Services</b>						<b>10,809,271</b>	<b>10,809,271</b>	<b>26,000,000</b>	<b>18,000,000</b>	<b>4,050,000</b>	<b>4,400,000</b>	<b>63,259,271</b>
<b>Substation Upgrades</b>												

**DRAFT 2024 - 2028 Electrical Fund Capital Plan**

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9	10184 Royal 2 Substation Upgrades	Project Scope/Outcome: equipment upgrade program to meet worksafe BC safety standards  Estimated Completion: Q4-2025	05 Asset Management and Infrastructure	03 Carbon Free Homes and Buildings	01 Routine Asset Renewal or Replacement	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
10	11439 NWR O&M/Capital Sustainment	Project Scope/Outcome: Ongoing New Westminster Substation capital and asset replacement needs to maintain condition of Substation as determined in conjunction with and in an agreement with BC Hydro over 10-year increments  Estimated Completion: Ongoing	05 Asset Management and Infrastructure	05 Carbon Free Energy	01 Routine Asset Renewal or Replacement	1,350,000	1,350,000	270,000	1,225,000	880,000	120,000	3,845,000
11	11989 New Queensborough Substation	Project Scope/Outcome: identified in the 2015 Electric Utility Distribution System Plan (2015-2040); ongoing capital improvement of new Queensborough substation	05 Asset Management and Infrastructure	05 Carbon Free Energy	02 Improvements or New Additions	180,000	180,000	50,000	50,000			280,000
12	11990 NWR Feeders	Project Scope/Outcome: New Westminster Substation was intended to main supply substation for the future development around the Royal Columbian Hospital/Fraser Health and Sapperton Green Developments. Additional High Voltage Feeders (5) would be required to service these future developments. Timelines to install feeders can be anywhere from 2- 3 years out pending on what equipment is required. However, exploration and planning around a potential 151 Spruce Street Substation, if approved, may replace this capital project.  Estimated Completion: TBD	05 Asset Management and Infrastructure	05 Carbon Free Energy	02 Improvements or New Additions	350,000	350,000	125,000	125,000	125,000	150,000	875,000
13	Royal Substation Improvements Land Purchase	Land purchase to improvements to Royal 2 Substation	05 Asset Management and Infrastructure	05 Carbon Free Energy	02 Improvements or New Additions	4,000,000	4,000,000					4,000,000
14	New Sapperton Substation	Project Scope: Site investigations (2024), BCH CiS study, pre-loading (2025), detailed design (2026), supply and construction (2027-2028); I have not included the construction budget since that would likely mean an increase of \$60M or more in 2027-2028.	05 Asset Management and Infrastructure	03 Carbon Free Homes and Buildings	02 Improvements or New Additions	500,000	500,000	1,000,000	1,000,000	1,000,000	60,000,000	63,500,000
	<b>Total Substation Upgrades</b>					<b>2,880,000</b>	<b>7,380,000</b>	<b>2,445,000</b>	<b>3,400,000</b>	<b>3,005,000</b>	<b>61,270,000</b>	<b>77,500,000</b>
	<b>Total Electrical Distribution System</b>					<b>27,160,360</b>	<b>31,660,360</b>	<b>29,545,000</b>	<b>22,500,000</b>	<b>9,155,000</b>	<b>68,820,000</b>	<b>161,680,360</b>
	<b>Other</b>											
	<b>Electrical Other</b>											
15	11640 Distribution Planning	Project Scope/Outcome: the utility completed a 20 year distribution system plan in 2015 and followed up with an update in 2018 and again in 2019/20. As part of the plan, detailed system improvement recommendations were listed for the next 20 years. Staff are currently working on GIS- AutoCad conversion for design work, conversion procedure for data archiving, GIS Audit, control room mimic board redesign. Possible software purchases will be required in 2023, training, documentation and manual creation will also be required. Also considering hiring a consultant to provide services related safety/safety office.  Estimated Completion: TBD	05 Asset Management and Infrastructure	05 Carbon Free Energy	01 Routine Asset Renewal or Replacement	900,000	900,000	467,800	250,000	250,000	500,000	2,367,800

**DRAFT 2024 - 2028 Electrical Fund Capital Plan**

Item #	Projects	Project Description	2023-2026 Strategic Priority	7 Bold Steps for Climate Action	Routine Renewal or Replace / Improvement or New Add	2024 Multi-Year Budget Commitment	2024 Budget	2025 Forecast Spend	2026 Forecast Spend	2027 Forecast Spend	2028 Forecast Spend	Proposed 2024-2028 5-Year Plan
16	12351 Electric Vehicle Infrastructure	Project Scope/Outcome: new distribution infrastructure/charging stations to serve various locations around the City  Estimated Completion: Ongoing	05 Asset Management and Infrastructure	04 Pollution Free Vehicles	02 Improvements or New Additions	375,000	375,000	375,000	375,000	375,000	300,000	1,800,000
17	Customer reporting and billing solution	Silverblaze customer reporting solution implementation, customer billing presentment solution implementation, and online payment solution for Electrical Customers	05 Asset Management and Infrastructure		02 Improvements or New Additions	600,000	600,000	400,000				1,000,000
18	Office Renovation	The office needs to be renovated in order to accommodate additional staff. This would include the cost for the contractor as well as the new furniture.	05 Asset Management and Infrastructure	07 Quality People Centered Public Realm	02 Improvements or New Additions	100,000	100,000					100,000
<b>Total Electrical Other</b>						<b>1,275,000</b>	<b>1,975,000</b>	<b>1,242,800</b>	<b>625,000</b>	<b>625,000</b>	<b>800,000</b>	<b>5,267,800</b>
<b>Total Other</b>						<b>1,275,000</b>	<b>1,975,000</b>	<b>1,242,800</b>	<b>625,000</b>	<b>625,000</b>	<b>800,000</b>	<b>5,267,800</b>
<b>Equipment</b>												
<b>Electrical Equipment</b>												
19	10181 Electrical Utility Equipment	Project Scope/Outcome: New equipment needed by the utility including a new cable reel to accommodate the new/bigger cables that are being purchased. We also require new storage material for the operations yard as we start storing more of our parts and materials on-site.  Estimated Completion: Ongoing	05 Asset Management and Infrastructure		01 Routine Asset Renewal or Replacement	50,000	50,000	50,000	50,000	50,000	50,000	250,000
<b>Total Electrical Equipment</b>						<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>250,000</b>
<b>Total Equipment</b>						<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>250,000</b>
<b>Vehicles</b>												
<b>Electrical Vehicles</b>												
23	12444 rpl Genie pers man-lift 348	Replacement of Unit #348 A 1999 Genie personal man-lift. It was originally due for replacement in 2019, but has annual services and can be pushed ahead a few more years to 2022; can be defered further beyond 2024.	05 Asset Management and Infrastructure		01 Routine Asset Renewal or Replacement			30,000				30,000
24	12445 New Metering Van	Electric Utility is bringing the metering O&M back in-house and require a new cargo service van	05 Asset Management and Infrastructure		02 Improvements or New Additions							
25	12470 rpl Van w/lift Unit 316	Replacement of Unit #316 a 2009 Ford E350 Van with a manlift boom. This Unit will be 14yrs old and is due for scheduled replacement. QUOTE HAS COME AT OVER \$300K	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement	325,000	325,000					325,000
26	12480 rpl Unit #329	Replacement of Unit #329 a 2010 International electrical underground custom body with man-lift. This unit has had multiple changes and issues during its service and is a very high maintenance vehicle It will have close to 8000 hrs on it by 2023.	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement	500,000	500,000					500,000
27	12517 rpl International Giraffe 362	Unit #362Due to be replaced.	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement	600,000	600,000					600,000
28	A0261 Replace International Giraffe Unit 323	Replacement of Unit #323 a 2009 International 60' Tandem Digger Derrick Truck used by the electrical department. This Unit will be 13yrs old in 2021 and have approximately 8000hrs on the engine. It will be due for lifecycle replacement.	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement	500,000	500,000					500,000
29	A0487 Rpl Chevy Pickup Unit #303	Replacement of Unit #303. This is a 2017 Chevy Pickup used by the electrical managers and driven home daily. This vehicle will be repositioned in 2024 to extend its life	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement			50,000				50,000
30	A0488 Rpl Chevy Pickup Unit #304	Replacement of Unit #304 This is a 2017 Chevy Pickup used by the electrical managers and driven home daily. This vehicle will be repositioned in 2024 to extend its life.	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement			50,000				50,000
31	A0489 Rpl Reel Trailer Unit #328	Replacement of Unit #328. This is a 2009 Brindle reel trailer used for transporting reels of cable. It will be 15 years old and scheduled for replacement in 2024.	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement						50,000	50,000

**DRAFT 2024 - 2028 Electrical Fund Capital Plan**

Item #	Projects	Project Description	2023-2026 Strategic Priority	7 Bold Steps for Climate Action	Routine Renewal or Replace / Improvement or New Add	2024 Multi-Year Budget Commitment	2024 Budget	2025 Forecast Spend	2026 Forecast Spend	2027 Forecast Spend	2028 Forecast Spend	Proposed 2024-2028 5-Year Plan
32	A0490 Rpl Ford F450 with man-lift Unit #340	Replacement of Unit #340. This is a 2011 Ford F450 with a man-lift and work body. This unit will be over 13years old and due for replacement in 2024.	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement			325,000				325,000
33	A0609 Rpl Pole Trailer Unit #347	Replacement of Unit #347. This is a 2010 Brindle pole trailer used for transporting electrical poles. It will be 15 years old and scheduled for replacement in 2025.	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement						50,000	50,000
<b>Total Electrical Vehicles</b>						<b>1,925,000</b>	<b>1,925,000</b>	<b>455,000</b>			<b>100,000</b>	<b>2,480,000</b>
<b>Total Vehicles</b>						<b>1,925,000</b>	<b>1,925,000</b>	<b>455,000</b>			<b>100,000</b>	<b>2,480,000</b>
<b>Total Electrical Fund</b>						<b>35,760,360</b>	<b>35,610,360</b>	<b>31,292,800</b>	<b>23,175,000</b>	<b>9,830,000</b>	<b>69,770,000</b>	<b>169,678,160</b>
<b>Total Electrical Fund</b>						<b>35,760,360</b>	<b>35,610,360</b>	<b>31,292,800</b>	<b>23,175,000</b>	<b>9,830,000</b>	<b>69,770,000</b>	<b>169,678,160</b>

**DRAFT 2024 - 2028 BridgeNet Fund Capital Plan**

Item #	Projects	Project Description	2023-2026 Strategic Priority	7 Bold Steps for Climate Action	Routine Renewal or Replace / Improvement or New Add	2024 Multi- Year Budget Commitment	2024 Budget	2025 Forecast Spend	2026 Forecast Spend	2027 Forecast Spend	2028 Forecast Spend	Proposed 2024-2028 5-Year Plan
	<b>BridgeNet Fibre Fund</b>											
	<b>BridgeNet Infrastructure</b>											
	<b>BridgeNet Infrastructure</b>											
1	12343 Pattullo Bridge Fibre	Project Scope/Outcome: Fiber connection to the Ministry of Transportation and Infrastructure (MOTI) Fiber Network crossing Patullo Bridge to Surrey  Estimated Completion: 2024	05 Asset Management and Infrastructure	01 Carbon Free Corporation	01 Routine Asset Renewal or Replacement	50,000	50,000					50,000
2	12407 Aff Housing Fibre Infrastruc	Project Scope/Outcome: As projects are identified, installation of fibre will be installed  Estimated Completion: On-going	02 Homes and Housing Options	01 Carbon Free Corporation	02 Improvements or New Additions	40,000	40,000	40,000	40,000			120,000
	<b>Total BridgeNet Infrastructure</b>					90,000	90,000	40,000	40,000			170,000
	<b>Total BridgeNet Infrastructure</b>					90,000	90,000	40,000	40,000			170,000
	<b>Other</b>											
	<b>BridgeNet Other</b>											
3	12179 Feasibility Works	Project Scope/Outcome: feasibility study on 5G technology along with new wireless initiative opportunities through out the City and explore third party grant funding opportunities  Estimated Completion: Ongoing	05 Asset Management and Infrastructure	01 Carbon Free Corporation	02 Improvements or New Additions	50,000	50,000					50,000
	<b>Total BridgeNet Other</b>					50,000	50,000					50,000
	<b>Total Other</b>					50,000	50,000					50,000
	<b>Total BridgeNet Fibre Fund</b>					140,000	140,000	40,000	40,000			220,000
	<b>Total BridgeNet Fibre Fund</b>					140,000	140,000	40,000	40,000			220,000

2024 Operating Budget Service Enhancement Requests and Opportunities

Department: Electrical Fund

Item #	Description	Background and Explanation of Need	Strategic Priority	Employee Position Type	# of FTE Addition	Total Operating Enhancement Request in Business Unit	2024 Funding Source
1	SAAS - MDM	Annual Software as a Service Fee for Meter Data Management (MDM)	Asset Management and Infrastructure			\$ 80,000	Cost Savings
2	SAAS - AMI	Annual Software as a Service Fee for Advance Metering Infrastructure (AMI) head end software	Asset Management and Infrastructure			\$ 113,000	Cost Savings
3	NAAS - AMI	Annual Network as a Service Fee for Advance Metering Infrastructure (AMI) network support	Asset Management and Infrastructure			\$ 207,000	Cost Savings
4	Tree Trimming	Raise Tree Trimming Budget to annual average 2018 to FCST 2023 inclusive	Community Belonging and Connecting			\$ 45,000	New Revenue
5	Revenue recovery from joint pole agreement	Revenue recovery of 50% of cost of installed pole. Each pole installed costs roughly \$10 each. Currently Budgeted for 1 installed pole per year. Typical average pre-COVID was 8 per annum	Asset Management and Infrastructure			\$ (40,000)	New Revenue
6	Subcontract expense related to pole installation	Raising pole installation from 1 installed per year to pre-COVID average of 8 per year. Subcontract expense of \$5k per pole	Asset Management and Infrastructure			\$ 40,000	New Revenue
7	Material expense related to pole installation	Raising pole installation from 1 installed per year to pre-COVID average of 8 per year. Material expense of \$5k per pole	Asset Management and Infrastructure			\$ 40,000	New Revenue
9	Employee Promotion	Need to create a Metering Supervisor position to manage our metering inventory and other meter technicians; plan is to promote the current senior meter technician to metering supervisor for 2024. An additional meter tech might be required in 2025 and beyond	Asset Management and Infrastructure	RFT		\$ 25,650	New Revenue
10	Increase in substation maintenance expenses	Need to revise maintenance expense to current BC Hydro 5-year Operating and Maintenance Forecast to service New Westminster Substation	Asset Management and Infrastructure			\$ 225,000	New Revenue
11	Business Systems Analyst - AMI	Position is needed to support the operational needs of AMI and Silverblaze (utility billing and customer portal platform for AMI). The City has undertaken the major AMI project but has not resourced the ITS department adequately to ensure project and operational success. Silverblaze is another application portfolio that will require focused support as part of the AMI platform.  This position is currently TFT and need to make it RFT for ongoing support for AMI	Asset Management and Infrastructure	TFT	1.00	\$ 135,414	Capital Project
12	IBEW Meter Technician	Position is needed to support metering related activities within AMI project	Asset Management and Infrastructure	TFT	1.00	\$ 85,663	Capital Project
13	Management training	Support management training and staff development	Asset Management and Infrastructure			\$ 7,500	New Revenue
14	Management attendance at conferences	Support management training and staff development	Asset Management and Infrastructure			\$ 7,500	New Revenue
				<b>Total</b>	<b>2.00</b>	<b>\$ 811,727</b>	