

Utility Commission Meeting Agenda

Tuesday, September 20, 2022, 2:00 p.m.
Committee Room 2
City Hall

We recognize and respect that New Westminster is on the unceded and unsurrendered land of the Halkomelem speaking peoples. We acknowledge that colonialism has made invisible their histories and connections to the land. As a City, we are learning and building relationships with the people whose lands we are on.

Pages

1. **CALL TO ORDER AND LAND ACKNOWLEDGEMENT**

The Chair will open the meeting and provide a land acknowledgement.

2. **MOTION TO MOVE INTO CLOSED MEETING**

THAT the Utility Commission will now go into a meeting which is closed to the public in accordance with Section 90 of the Community Charter, on the basis that the subject matter for all agenda items relate to matters listed under sections:

(1)(a) personal information about an identifiable individual who holds or is being considered for a position as an officer, employee, or agent of the municipality or another position appointed by the municipality;

(1)(c) labour relations or other employee relations;

(1)(k) negotiations and related discussions respecting the proposed provision of a municipal service that are at their preliminary stages and that, in the view of the council, could reasonably be expected to harm the interests of the municipality if they were held in public.

3. **CHANGES TO THE AGENDA**

Additions or deletion of items.

4. **ADOPTION OF MINUTES FROM PREVIOUS MEETINGS**

4.1. Minutes of June 21, 2022

5.	<u>CONSENT AGENDA</u>	
5.1.	Electrical Purchases and Sales Report	7
	a. July 2022	
	b. August 2022	
5.2.	Financial Statements	12
6.	<u>CORRESPONDENCE</u>	
6.1.	Letter of Support for Sapperton District Energy Phase 1	19
7.	<u>REPORTS AND PRESENTATIONS</u>	
	Staff and guest reports and presentations for information, discussion, and/or action	
8.	<u>NEW BUSINESS</u>	
	Items added to the agenda at the beginning of the meeting.	
9.	<u>END OF MEETING</u>	
10.	<u>UPCOMING MEETINGS</u>	
	Remaining scheduled meetings for 2022, which take place at 2:00 p.m. unless otherwise noted:	
	• October 18	
	• December 13 (tentative)	

Utility Commission**MINUTES****Tuesday, June 21, 2022****Committee Room 2****City Hall****PRESENT**

Len Kelsey
Councillor Patrick Johnstone
Maya Chorobik
Lino Siracusa

Commissioner, Chair
Commissioner
Commissioner
Commissioner

REGRETS

Sally Bhullar-Gill
Mayor Jonathan Cote
Lisa Spitale

Commissioner
Commissioner
Commissioner

STAFF

Emilie Adin	Director, Climate Action, Planning, and Development
Ronald Au	Senior Financial Services Analyst
Rod Carle	General Manager, Electrical Operations
Steven Faltas	Business Process Manager, Electrical Operations
Nayel Halim	Community Energy and Emissions Specialist
Phil Kotyk	Manager, Fiber Networks
Craig MacFarlane	Manager of Legal Services
Lynn Roxburgh	Acting Supervisor of Land Use Planning and Climate Action
Meredith Seeton	Policy Planner
Patrick Shannon	Manager, Purchasing
Harji Varn	Chief Financial Officer
Katie Stobbart	Committee Clerk

1. CALL TO ORDER AND LAND ACKNOWLEDGEMENT

Len Kelsey opened the meeting at 2:02 p.m. Rod Carle recognized with respect that New Westminster is on the unceded and unsurrendered land of the Halkomelem speaking peoples. He acknowledged that colonialism has made invisible their histories and connections to the land. He recognized that, as a City, we are learning and building relationships with the people whose lands we are on.

2. MOTION TO MOVE INTO CLOSED MEETING

MOVED and SECONDED

THAT the Utility Commission will now go into a meeting which is closed to the public in accordance with Section 90 of the Community Charter, on the bases that the subject matter for all agenda items relate to matters listed under sections:

(1)(a) personal information about an identifiable individual who holds or is being considered for a position as an officer, employee, or agent of the municipality or another position appointed by the municipality;

(1)(c) labour relations or other employee relations;

(1)(k) negotiations and related discussions respecting the proposed provision of a municipal service that are at their preliminary stages and that, in the view of the council, could reasonably be expected to harm the interests of the municipality if they were held in public.

Carried.

All Commissioners voted in favour of the motion.

3. CHANGES TO THE AGENDA

There were no changes to the agenda.

4. ADOPTION OF MINUTES FROM PREVIOUS MEETINGS

4.1 Minutes of May 17, 2022

MOVED and SECONDED

THAT the May 17, 2022 Minutes of the Utility Commission be adopted.

Carried.

All Commissioners present voted in favour of the motion.

5. CONSENT AGENDA

5.1 Electrical Purchases and Sales Report

- May 2022

5.2 Financial Statements

MOVED and SECONDED

THAT the Utility Commission adopt items 5.1 and 5.2 on Consent.

Carried.

All Commissioners present voted in favour of the motion.

6. CORRESPONDENCE

There were no items.

7. REPORTS AND PRESENTATIONS

There were no items.

8. NEW BUSINESS

There were no items.

9. END OF MEETING

The meeting ended at 4:36 p.m.

10. UPCOMING MEETINGS

Remaining scheduled meetings for 2022, which take place at 2:00 p.m. unless otherwise noted:

- September 20
- October 18
- November 22

DRAFT

ELECTRICAL PURCHASES AND SALES REPORT

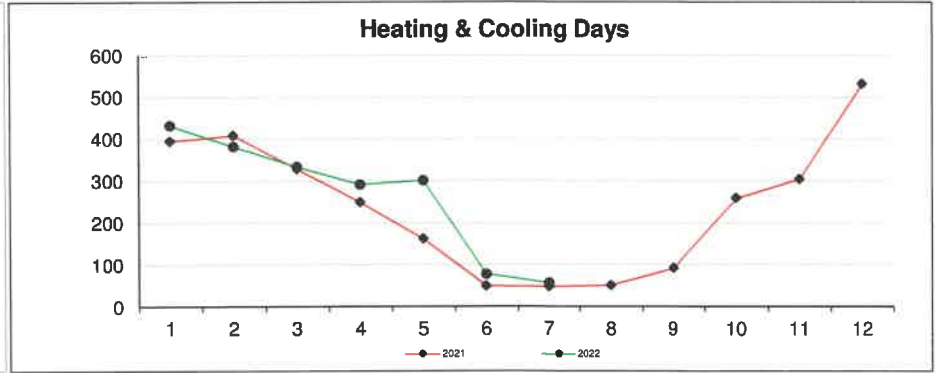
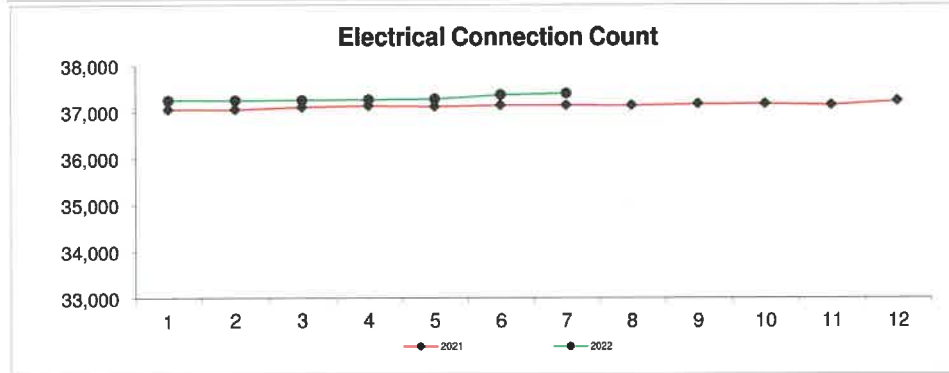
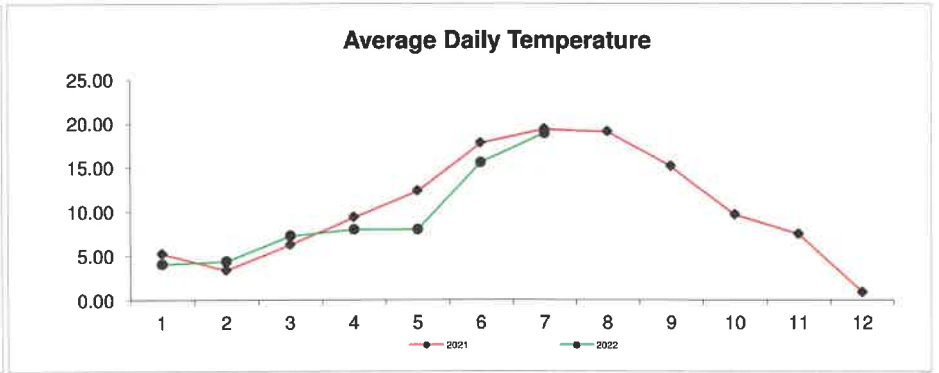
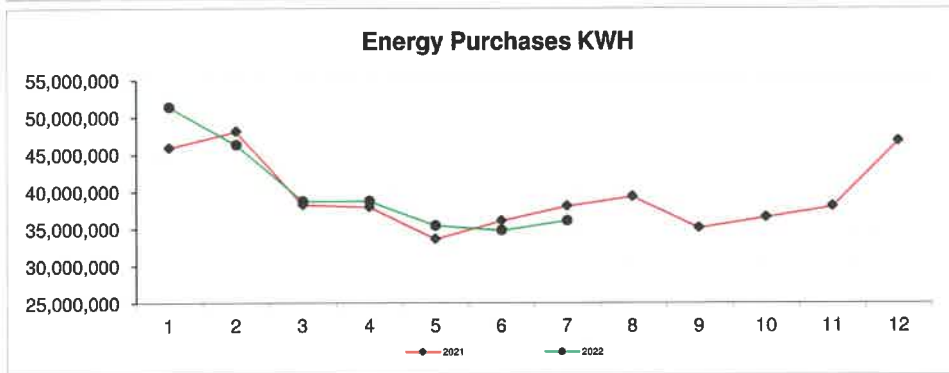
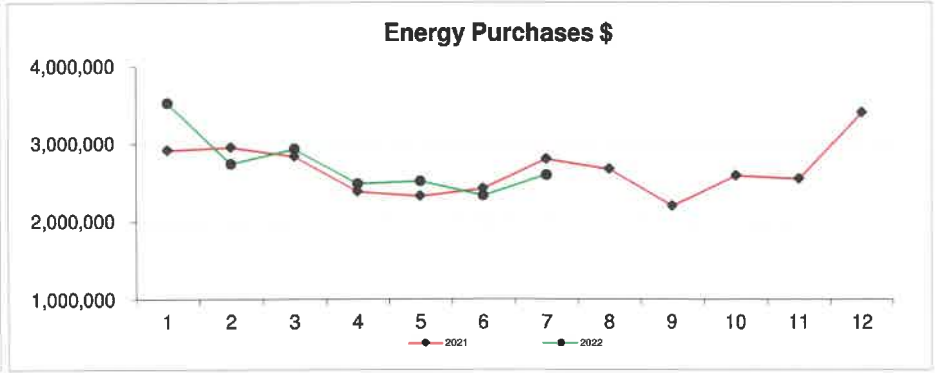
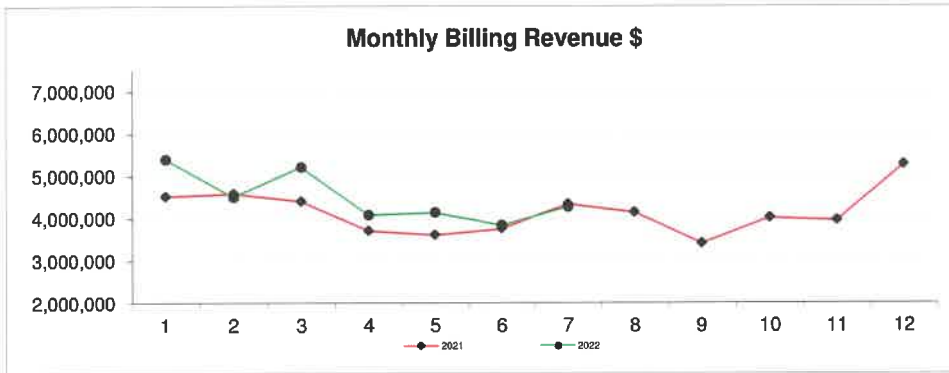
**SUMMARY OF ELECTRICAL ENERGY PURCHASES AND SALES
2022**

MONTH BILLING PERIOD		Jan 1	Feb 2	Mar 3	Apr 4	May 5	Jun 6	Jul 7	Aug 8	Sep 9	Oct 10	Nov 11	Dec 12	GRAND TOTAL
NUMBER OF CONNECTIONS		37,260	37,258	37,263	37,272	37,286	37,376	37,407						37,407
BILLING REVENUE	GL CODING													
Residential (RES)	9300.3704	1,556,589	4,962,009	1,889,354	3,740,423	2,133,582	2,353,721	1,261,986						17,897,665
RES: ADJs	9300.3704	(97,823)	(4,604)	(15,023)	(14,032)	(8,878)	(12,846)	(8,986)						(162,192)
Commercial (COMM)	9300.3706	1,396,111	3,036,850	1,792,623	2,563,862	1,972,320	1,999,561	1,754,378						14,515,704
COMM: ADJs	9300.3706	(4,567)	(35,889)	(2,947)	(24,863)	(23,717)	(20,072)	(7,509)						(119,563)
		2,850,310	7,958,366	3,664,007	6,265,390	4,073,308	4,320,363	2,999,869	-	-	-	-	-	32,131,614
Monthly Accruals														
RES: Rev Prior Month Accrual	9300.3704	(2,166,177)	(3,441,147)	(1,714,473)	(2,489,629)	(1,399,557)	(1,432,496)	(1,190,049)						(2,166,177)
COMM: Rev Prior Month Accrual	9300.3706	(2,166,177)	(3,441,147)	(1,714,473)	(2,489,629)	(1,399,557)	(1,432,496)	(1,190,049)						(2,166,177)
RES: Rec Current Month Accrual	9300.3704	3,441,147	1,714,473	2,489,629	1,399,557	1,432,496	1,190,049	1,824,316						1,824,316
COMM: Rec Current Month Accrual	9300.3706	3,441,147	1,714,473	2,489,629	1,399,557	1,432,496	1,190,049	1,824,316						1,824,316
Net Accrual Adjustment		2,549,941	(3,453,348)	1,550,311	(2,180,143)	65,876	(484,894)	1,268,534	-	-	-	-	-	(683,722)
TOTAL BILLING REVENUE EARNED		5,400,251	4,505,019	5,214,319	4,085,247	4,139,184	3,835,470	4,268,402						31,447,894
BC HYDRO - PURCHASE OF POWER														
Billed Demand (kVA)	9300.6805	919,310	771,869	689,476	670,626	668,772	669,113	690,158						5,079,323
Billed Energy (kWh)	9300.6805	2,605,292	2,348,524	1,961,283	1,950,382	1,782,461	1,748,640	1,813,657						14,210,238
Reverse Prior Month Accrual	9300.6805	(587,434)	(587,434)	(208,026)	(490,881)	(355,458)	(422,626)	(338,485)						(587,434)
Record Current Month Accrual	9300.6805	587,434	208,026	490,881	355,458	422,626	338,485	431,692						431,692
TOTAL PURCHASE OF POWER		3,524,602	2,740,986	2,933,614	2,485,584	2,518,401	2,333,612	2,597,021						19,133,820
GROSS MARGIN		1,875,649	1,764,033	2,280,705	1,599,663	1,620,783	1,501,857	1,671,381						12,314,074
GROSS MARGIN %		35%	39%	44%	39%	39%	39%	39%						39%
PURCHASE OF POWER DETAILS														
Demand (kVA)														
Metered Peak Demand LLH		93,059	80,880	75,341	70,084	61,894	66,997	71,769						
Metered Peak Demand HLH		106,377	89,316	78,750	70,901	66,005	77,562	82,303						
50% Contract Demand		53,500	53,500	53,500	53,500	53,500	53,500	53,500						
75% of Previous High Demand		65,409	65,409	79,782	79,782	79,782	79,782	79,782						
Billing Demand		106,377	89,316	79,782	79,782	79,782	79,782	82,303						
Energy (kWh)														
Total Metered Energy		51,437,157	46,367,704	38,722,262	38,750,647	35,468,478	34,798,092	36,091,168						
Billing Period Energy		51,437,157	46,367,704	38,722,262	38,750,647	35,468,478	34,798,092	36,091,168						281,635,508
Billed Period Energy - % Change		10%	-10%	-16%	0%	-8%	-2%	4%						
Billed Demand Rate per kVA		8.6420	8.6420	8.6420	8.4057	8.3825	8.3868	8.3856						
Billed Energy Rate per kWh		0.05065	0.05065	0.05065	0.05033	0.05025	0.05025	0.05025						
INTERNAL ENERGY SALES														
St Lights and Traf Signals	9300.3708	24,250	24,250	24,250	24,250	24,250	24,250	24,250						169,750
Internal City Utility Charges	9300.3899	115,018	101,456	99,589	125,613	89,367	134,864	47,639						713,546
Climate Action Levy	9300.3710	97,331	271,749	125,312	213,940	139,196	147,431	102,435						1,097,394
Mean Temperature (Celsius)		4.10	4.40	7.30	8.00	8.00	15.60	18.90						
Heating + Cooling Degree Days		432.0	382.0	333.4	291.0	300.7	76.9	56.0						

GL RECONCILIATION

RES	15,569,299	
RES: Rec Current Month Accrual	1,824,316	
RES Subtotal		17,393,614

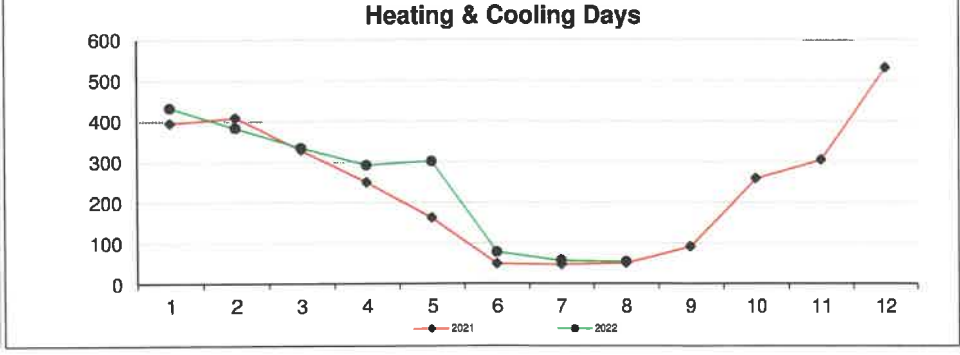
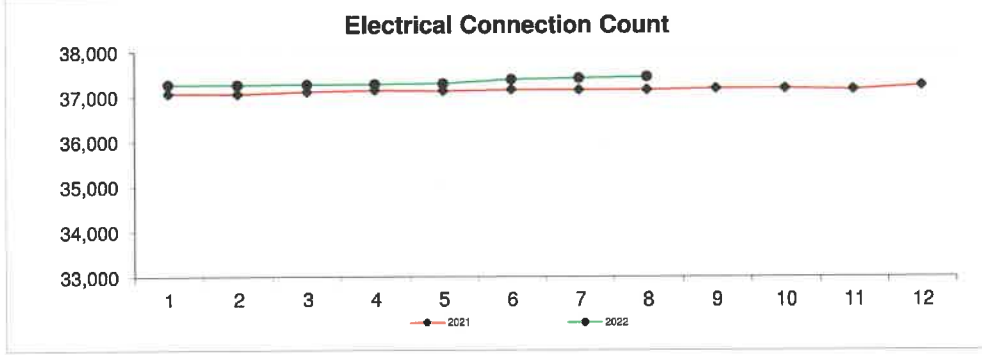
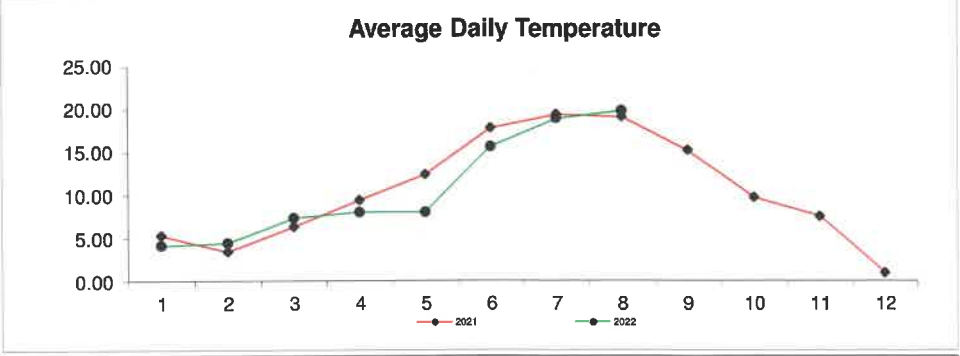
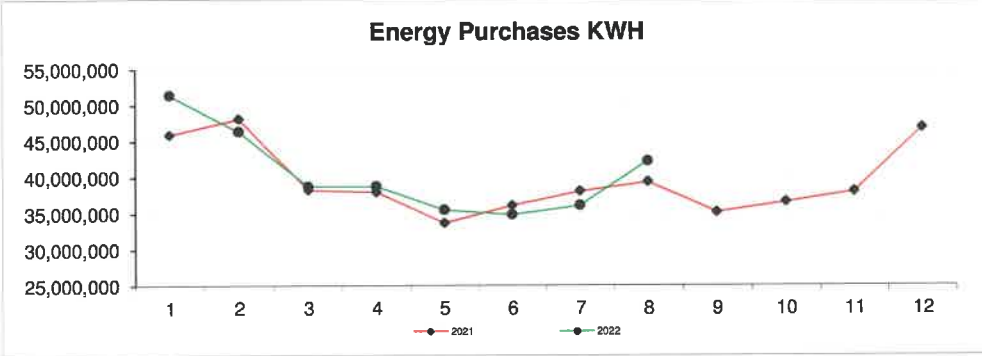
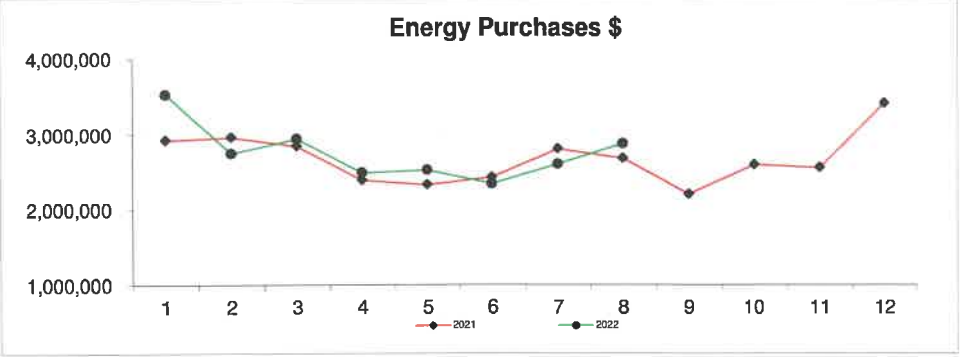
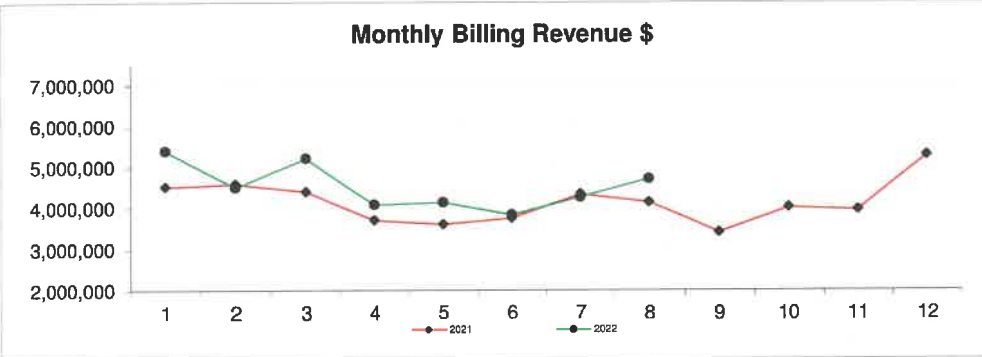
COMM	12,229,964	
COMM: Rec Current Month Accrual	1,824,316	
COMM Subtotal		14,054,280
TOTAL		31,447,894
CHECK		-



**SUMMARY OF ELECTRICAL ENERGY PURCHASES AND SALES
2022**

MONTH BILLING PERIOD	Jan 1	Feb 2	Mar 3	Apr 4	May 5	Jun 6	Jul 7	Aug 8	Sep 9	Oct 10	Nov 11	Dec 12	GRAND TOTAL
NUMBER OF CONNECTIONS	37,260	37,258	37,263	37,272	37,286	37,376	37,407	37,431					37,407
BILLING REVENUE	GL CODING												
Residential (RES)	9300.3704	1,556,589	4,962,009	1,889,354	3,740,423	2,133,582	2,353,721	1,261,986	2,943,659				20,841,323
RES: ADJs	9300.3704	(97,823)	(4,604)	(15,023)	(14,032)	(8,878)	(12,846)	(8,986)	(9,471)				(171,662)
Commercial (COMM)	9300.3706	1,396,111	3,036,850	1,792,623	2,563,862	1,972,320	1,999,561	1,754,378	3,422,519				17,938,223
COMM: ADJs	9300.3706	(4,567)	(35,889)	(2,947)	(24,863)	(23,717)	(20,072)	(10,269)	(26,811)				(149,135)
		2,850,310	7,958,366	3,664,007	6,265,390	4,073,308	4,320,363	2,997,108	6,329,895	-	-	-	38,458,749
Monthly Accruals													
RES: Rev Prior Month Accrual	9300.3704	(2,166,177)	(3,441,147)	(1,714,473)	(2,489,629)	(1,399,557)	(1,432,496)	(1,190,049)	(1,824,316)				(2,166,177)
COMM: Rev Prior Month Accrual	9300.3706	(2,166,177)	(3,441,147)	(1,714,473)	(2,489,629)	(1,399,557)	(1,432,496)	(1,190,049)	(1,824,316)				(2,166,177)
RES: Rec Current Month Accrual	9300.3704	3,441,147	1,714,473	2,489,629	1,399,557	1,432,496	1,190,049	1,824,316	1,015,310				1,015,310
COMM: Rec Current Month Accrual	9300.3706	3,441,147	1,714,473	2,489,629	1,399,557	1,432,496	1,190,049	1,824,316	1,015,310				1,015,310
Net Accrual Adjustment		2,549,941	(3,453,348)	1,550,311	(2,180,143)	65,876	(484,894)	1,268,534	(1,618,011)	-	-	-	(2,301,733)
TOTAL BILLING REVENUE EARNED		5,400,251	4,505,019	5,214,319	4,085,247	4,139,184	3,835,470	4,265,642	4,711,885				36,157,018
BC HYDRO - PURCHASE OF POWER													
Billed Demand (kVA)	9300.6805	919,310	771,869	689,476	670,626	668,772	669,113	690,158	704,170				5,783,494
Billed Energy (kWh)	9300.6805	2,605,292	2,348,524	1,961,283	1,950,382	1,782,461	1,748,640	1,813,657	2,123,150				16,333,389
Reverse Prior Month Accrual	9300.6805	(587,434)	(587,434)	(208,026)	(490,881)	(355,458)	(422,626)	(338,485)	(431,692)				(587,434)
Record Current Month Accrual	9300.6805	587,434	208,026	490,881	355,458	422,626	338,485	431,692	471,220				471,220
TOTAL PURCHASE OF POWER		3,524,602	2,740,986	2,933,614	2,485,584	2,518,401	2,333,612	2,597,021	2,866,849				22,000,669
GROSS MARGIN		1,875,649	1,764,033	2,280,705	1,599,663	1,620,783	1,501,857	1,668,621	1,845,036				14,156,349
GROSS MARGIN %		35%	39%	44%	39%	39%	39%	39%	39%				39%
PURCHASE OF POWER DETAILS													
Demand (kVA)													
Metered Peak Demand LLH		93,059	80,880	75,341	70,084	61,894	66,997	71,769	75,197				
Metered Peak Demand HLH		106,377	89,316	78,750	70,901	66,005	77,562	82,303	84,294				
50% Contract Demand		53,500	53,500	53,500	53,500	53,500	53,500	53,500	53,500				
75% of Previous High Demand		65,409	65,409	79,782	79,782	79,782	79,782	79,782	79,782				
Billing Demand		106,377	89,316	79,782	79,782	79,782	79,782	82,303	84,294				
Energy (kWh)													
Total Metered Energy		51,437,157	46,367,704	38,722,262	38,750,647	35,468,478	34,798,092	36,091,168	42,229,212				
Billing Period Energy		51,437,157	46,367,704	38,722,262	38,750,647	35,468,478	34,798,092	36,091,168	42,229,212				323,864,720
Billed Period Energy - % Change		10%	-10%	-16%	0%	-8%	-2%	4%	17%				
Billed Demand Rate per kVA		8.6420	8.6420	8.6420	8.4057	8.3825	8.3868	8.3856	8.3537				
Billed Energy Rate per kWh		0.05065	0.05065	0.05065	0.05033	0.05025	0.05025	0.05025	0.05028				
INTERNAL ENERGY SALES													
St Lights and Traf Signals	9300.3708	24,250	24,250	24,250	24,250	24,250	24,250	24,250	24,250				194,000
Internal City Utility Charges	9300.3899	115,018	101,456	99,589	125,613	89,367	134,864	47,639	131,756				845,301
Climate Action Levy	9300.3710	97,331	271,749	125,312	213,940	139,196	147,431	102,435	216,141				1,313,535
Mean Temperature (Celsius)		4.10	4.40	7.30	8.00	8.00	15.60	18.90	19.80				
Heating + Cooling Degree Days		432.0	382.0	333.4	291.0	300.7	76.9	56.0	53.3				

GL RECONCILIATION			
RES		18,503,487	
RES: Rec Current Month Accrual		1,015,310	
RES Subtotal			19,518,797
COMM		15,622,911	
COMM: Rec Current Month Accrual		1,015,310	
COMM Subtotal			16,638,221
TOTAL			36,157,018
CHECK			-





NEW WESTMINSTER

New Westminster Electric Utility Commission

Financial Report for the period ended August 31, 2022

September 20, 2022

Electric Utility – Operating Budget

The Electric Utility provides electrical distribution services to residential and commercial customers in New Westminster. Electricity is purchased from BC Hydro and resold by the Electric Utility to its customers. Revenues generated through the sale of electricity are used to operate and maintain the electrical distribution system.

The 2022 Total Revenue Budget of \$52.56M is primarily comprised of utility revenue generated from billing residential and commercial customers. To date \$36.46M, or 69% of the utility revenue target has been generated, which is \$2.9M ahead of 2022 expectations. Y/Y variance of \$3.06 M is mainly due to higher consumption (3.9M kWh higher Y/Y) due to lower mean temperatures, growth (193 new meters since beginning of year in areas such as 618 and 813 Carnarvon Street, 300 Duncan Street) and 2.8% annual rate increase.

The 2022 Expenditure Budget of \$41.13M is largely comprised of purchase of power from BC Hydro and similar to the utility revenue, purchase of power is ahead of target by \$1.7M. 2022 purchase of power is \$0.66M more than 2021, due to a higher volume of purchases (2.9M kWh higher Y/Y) which are offset by a 1.4% annual rate decrease in the purchase of power from BC Hydro.

In summary, the annual Net Operating Budgets planned surplus to cover city-wide capital works and debt financing fees is ahead of target by \$1.4M due to the better than planned revenue as at August 31, 2022 and staff vacancies.

**CORPORATION OF THE CITY OF NEW WESTMINSTER
STATEMENT OF OPERATIONS - ELECTRIC UTILITY
YTD PERIOD ENDING AUGUST 31, 2022**

<i>(in millions)</i>	2022 Budget	2022 YTD Budget	2022 YTD Actuals	YTD Budget Variance	2021 YTD Actuals	Y/Y Variance
REVENUE						
Utility Revenue	\$ 52.29	\$ 33.46	\$ 36.31	\$ 2.85	\$ 33.25	\$ 3.06
Sales of Service	0.05	0.03	0.00	(0.03)	0.04	(0.04)
Contributions	-	-	0	0.00	0.01	(0.01)
Other Revenue	0.22	0.14	0.14	0.00	0.13	0.01
TOTAL REVENUE	\$ 52.56	\$ 33.64	\$ 36.46	\$ 2.82	\$ 33.44	\$ 3.02
EXPENSES						
Utility Purchases & Levies	\$ 31.75	\$ 20.32	\$ 22.00	\$ (1.68)	\$ 21.34	\$ (0.66)
Salaries, Benefits & Training	3.30	2.15	1.82	0.34	1.73	(0.09)
Contracted Services	1.17	0.75	0.81	(0.06)	0.74	(0.07)
Supplies & Materials	0.48	0.31	0.29	0.02	0.30	0.01
Interest & Bank Charges	1.03	0.34	0.34	-	0.46	0.12
Amortization	3.41	2.27	2.27	-	1.67	(0.61)
TOTAL EXPENSES	\$ 41.13	\$ 26.13	\$ 27.53	\$ (1.39)	\$ 26.22	\$ (1.31)
NET	\$ 11.44	\$ 7.51	\$ 8.93	\$ 1.43	\$ 7.22	\$ 1.70

Electric Utility – Capital Budget

QB Substation is in its construction phase and is re-scheduled to complete in Q1 2023 due to GE circuit breaker delivery delays. The capital plan estimated the total project value of \$30.0M which includes 10% for project contingency (to be spent but not identified initially) and 10% project reserve (not anticipated be spent but available if needed); the project is expected to be funded fully from debt financing and a borrowing by-law is approved at \$30.0M. The project is on track to close below the \$30M budget.

The Advanced Meter Project team has selected a vendor, KTI Limited, and the contract is now completed. The project team has also completed migrating customer data to a new server and completing a version update to its Northstar Customer Information System (CIS) as part of the infrastructure build for Advanced Metering. Introductory meetings with vendor and preliminary schedules on implementation of the Meter Data Management (MDM) software have occurred with kick-off anticipated in October. The MDM is a critical software program that collects metering data and connects the new meters to the City's existing NorthStar Billing system. Detailed planning meeting with the AMI vendor and other AMI related stakeholders on implementation of AMI has been scheduled for September 21st, 2022.

Another major project in the Approved Capital Plan is the District Energy Project. Although the 5 Year Capital Plan has an estimated \$52M for this project, the full-size and expenditure for the project is projected to be \$112.1M and is subject to the receipt of agreements around grant funding and agreements with FHA & Sapperton Green develop. Without additional grants/support the project is not financially viable and therefore no budget increase will be established until such funding has been secured. City staff and their engineering consultant have identified 3 potential grant streams and have submitted 3 applications for review; results are anticipated to be announces in Q4 2022.

Finally, significant planning and strategic work is advancing with the Climate Action team around EV infrastructure and transition to Electrical fleet for the Electrical Utility fleet and equipment.

Description	Multi-Year Approved Budget	Annual Spend Target	Total Actual Expenses	Forecast to Date	Forecasted Variance
Substation Upgrades	\$ 25.91	\$ 22.31	\$ 10.95	\$ 18.31	\$ 4.00
Advanced Meters Infrastructure	10.79	10.19	0.39	1.03	9.16
Electrical New Services	15.62	7.52	2.08	7.52	-
Sapperton District Energy Syst	52.60	2.00	0.24	2.00	-
Electrical Vehicles	1.73	0.49	0.43	0.08	0.41
QB Substation Land Acquisition	-	-	-	-	-
Distribution Planning	1.72	0.50	-	0.50	-
Electric Vehicle Infrastructur	1.25	0.25	-	0.25	-
Electrical Utility Equipment	0.02	0.01	-	0.01	-
EV Chargers	-	-	-	-	-
Electrical Capital	\$ 109.63	\$ 43.25	\$ 14.09	\$ 29.68	\$ 13.57

BridgeNet – Operating Budget

BridgeNet was launched in 2016 as part of the City's Intelligent City initiative to provide New Westminster residents and businesses greater access to reliable, affordable high-speed internet services and relies on its partner Internet Service Providers (ISPs) to sell internet and broadband services to multi-dwelling unit residents, businesses and institutions.

The first few years were focussed on building the infrastructure and as we reach substantial completion for the build out, staff are working on the next phase of the project to advance the connections to reach the intelligent City goals and revenue targets required for full cost recovery.

For 2022, or Year 6 of the Business Plan, we have collected \$0.1M, or 54% of our utility revenue target which is \$0.08M behind 2022 YTD expectations due to billing timing.

The Expenditure Budget of \$0.98M is largely related staff time, debt financing and amortization of the new infrastructure. Although the planned expenditures are on track per what was budgeted, the current revenues are unable to cover the cost to maintain the new system. Staff are working on obtaining a resource that will work on achieving revenue goals, prospect for leased line revenue with large carriers, developing the ISP partner ecosystem, and revising the original business plan strategy as necessary. Staff are also working on developing short-term and long-term performance targets for BridgeNet which will form objectives for the resource.

CORPORATION OF THE CITY OF NEW WESTMINSTER
STATEMENT OF OPERATIONS - BRIDGENET
YTD PERIOD ENDING AUGUST 31, 2021

<i>(in millions)</i>	2022 Budget	2022 YTD Budget	2022 YTD Actuals	YTD Budget Variance	2021 YTD Actuals	Y/Y Variance
REVENUE						
Utility Revenue	\$ 0.19	\$ 0.12	\$ 0.10	\$ (0.02)	\$ 0.08	-
Other Revenue	0.02	0.01	0.01	-	0.01	-
TOTAL REVENUE	\$ 0.21	\$ 0.13	\$ 0.11	\$ (0.02)	\$ 0.09	-
EXPENSES						
Salaries, Benefits & Training	\$ 0.19	\$ 0.12	\$ 0.10	\$ 0.02	\$ 0.11	\$ 0.01
Contracted Services	0.08	0.05	-	0.05	0	0
Supplies & Materials	0.05	0.04	0	0.03	0.00	-
Interest & Bank Charges	0.20	0.07	0.07	-	0.10	0.02
Amortization	0.47	0.31	0.31	-	0.31	0.01
TOTAL EXPENSES	\$ 0.98	\$ 0.59	\$ 0.49	\$ 0.10	\$ 0.53	\$ 0.03
NET	\$ (0.78)	\$ (0.46)	\$ (0.38)	\$ 0.08	\$ (0.44)	\$ 0.03

BridgeNet – Capital Budget

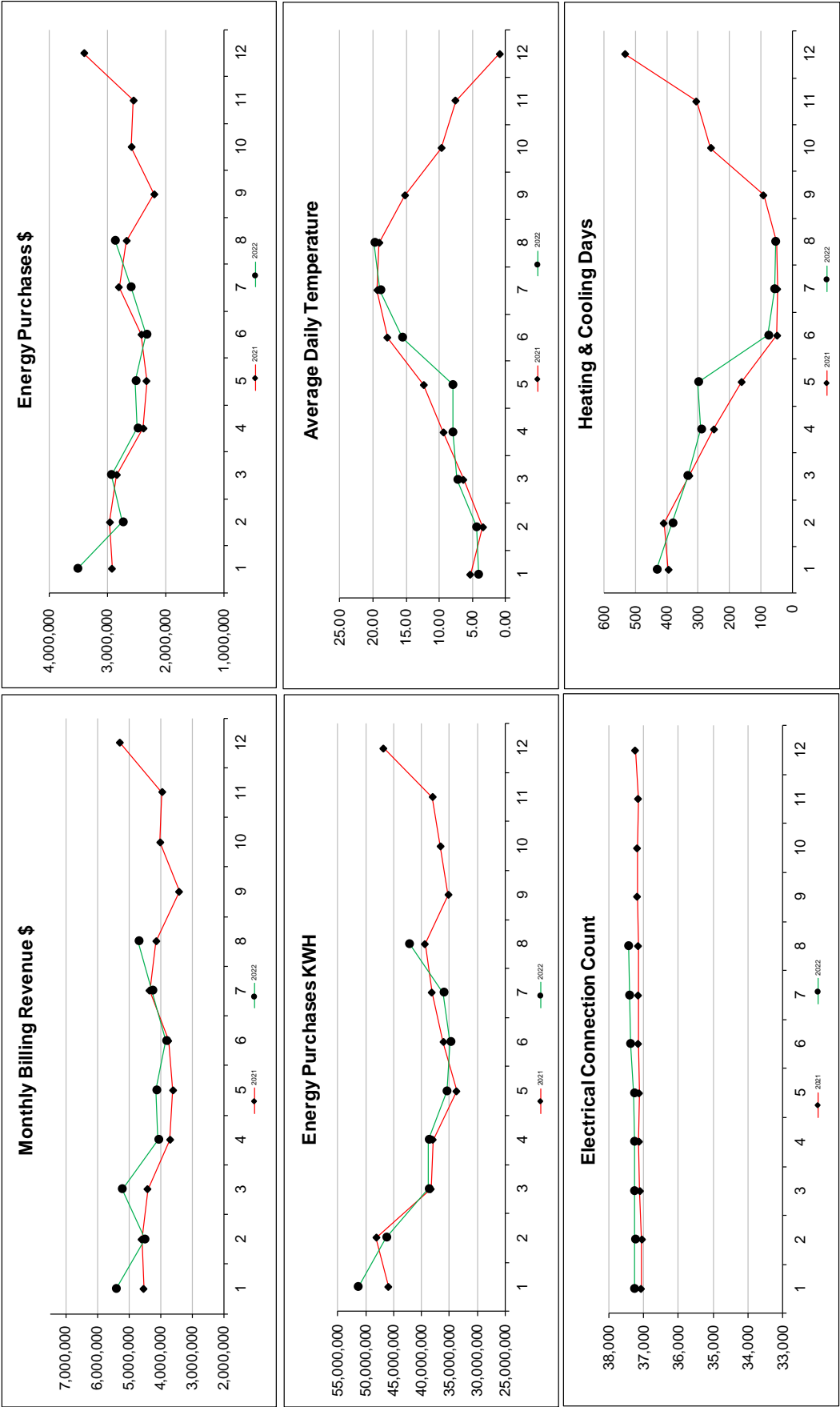
Total capital spent to date is \$8.4M, which includes the \$0.15M spent in 2022 to date. The table below represents the current 2022 Approved Capital Budget and primarily includes major investment for installation on the remaining Phase 3 for the BridgeNet dark fibre network.

Description	Multi-Year Approved Budget	Annual Spend Target	Total Actual Expenses	Forecast to Date	Forecasted Variance
Total BridgeNet Fund	\$ 3.45	\$ 0.95	\$ 0.15	\$ 0.95	\$ (0.00)

APPENDIX 1

Electrical Purchases & Sales Report (EDMS Doc# 836632)

MONTH BILLING PERIOD	Jan 1	Feb 2	Mar 3	Apr 4	May 5	Jun 6	Jul 7	Aug 8	Sep 9	Oct 10	Nov 11	Dec 12	GRAND TOTAL
NUMBER OF CONNECTIONS	37,260	37,258	37,263	37,272	37,286	37,376	37,407	37,431					37,407
BILLING REVENUE													
RES: Residential (RES)	1,556,589	4,962,009	1,889,354	3,740,423	2,133,582	2,353,721	1,261,986	2,943,659					20,841,323
RES: ADIS (RES:ADIS)	(97,823)	(4,604)	(15,023)	(14,032)	(8,878)	(12,846)	(8,986)	(9,471)					(171,662)
Commercial (COMM)	1,396,111	3,036,850	1,792,623	2,563,862	1,972,320	1,999,561	1,754,378	3,422,519					17,938,223
COMM: ADIS	(4,567)	(35,889)	(2,947)	(24,863)	(33,717)	(20,072)	(10,269)	(26,811)					(149,135)
Monthly Accruals	2,850,310	7,958,366	3,664,007	6,255,390	4,073,308	4,320,363	2,997,108	6,329,895					38,458,749
RES: Rev Prior Month Accrual	(2,166,177)	(3,441,147)	(1,714,473)	(2,489,629)	(1,399,557)	(1,432,496)	(1,190,049)	(1,824,316)					(2,166,177)
COMM: Rev Prior Month Accrual	(2,166,177)	(3,441,147)	(1,714,473)	(2,489,629)	(1,399,557)	(1,432,496)	(1,190,049)	(1,824,316)					(2,166,177)
RES: Rec Current Month Accrual	3,441,147	1,714,473	2,489,629	1,399,557	1,432,496	1,190,049	1,824,316	1,015,310					1,015,310
COMM: Rec Current Month Accrual	3,441,147	1,714,473	2,489,629	1,399,557	1,432,496	1,190,049	1,824,316	1,015,310					1,015,310
Net Accrual Adjustment	2,549,941	(3,453,348)	1,550,311	(2,180,143)	65,876	(484,894)	1,268,534	(1,618,011)					(2,301,733)
TOTAL BILLING REVENUE EARNED	5,400,251	4,505,019	5,214,319	4,085,247	4,139,184	3,833,470	4,265,642	4,711,885					36,157,018
BC HYDRO - PURCHASE OF POWER													
Billed Demand (kVA)	919,310	771,869	689,476	670,626	668,772	669,113	690,158	704,170					5,783,494
Billed Energy (kWh)	2,605,292	2,348,524	1,961,283	1,950,382	1,782,461	1,748,640	1,813,657	2,123,150					16,333,389
Reverse Prior Month Accrual	(587,434)	(587,434)	(208,026)	(490,881)	(355,458)	(422,626)	(338,485)	(431,692)					(587,434)
Record Current Month Accrual	587,434	208,026	490,881	355,458	422,626	338,485	431,692	471,220					471,220
TOTAL PURCHASE OF POWER	3,524,602	2,740,986	2,933,614	2,485,584	2,518,401	2,333,612	2,597,021	2,866,849					22,000,669
GROSS MARGIN	1,875,649	1,764,033	2,280,705	1,599,663	1,620,783	1,501,857	1,668,621	1,845,036					14,156,349
GROSS MARGIN %	35%	39%	44%	39%	39%	39%	39%	39%					39%
PURCHASE OF POWER DETAILS													
Demand (kVA)													
Metered Peak Demand LH	93,059	80,880	75,341	70,084	61,894	66,997	71,769	75,197					
Metered Peak Demand HH	106,377	89,316	78,750	70,901	66,005	77,562	82,303	84,294					
50% Contract Demand	53,500	53,500	53,500	53,500	53,500	53,500	53,500	53,500					
75% of Previous High Demand	65,409	65,409	79,782	79,782	79,782	79,782	79,782	79,782					
Billing Demand	106,377	89,316	79,782	79,782	79,782	79,782	82,303	84,294					
Energy (kWh)													
Total Metered Energy	51,437,157	46,367,704	38,722,262	38,750,647	35,468,478	34,798,092	36,091,168	42,229,212					
Billing Period Energy	51,437,157	46,367,704	38,722,262	38,750,647	35,468,478	34,798,092	36,091,168	42,229,212					
Billed Period Energy - % Change	10%	-10%	-16%	0%	-8%	-2%	4%	17%					
Billed Demand Rate per kVA	8.6420	8.6420	8.6420	8.4057	8.3825	8.3868	8.3856	8.3537					
Billed Energy Rate per kWh	0.05065	0.05065	0.05065	0.05033	0.05025	0.05025	0.05025	0.05028					
INTERNAL ENERGY SALES													
St Lights and Traf Signals	24,250	24,250	24,250	24,250	24,250	24,250	24,250	24,250					194,000
Internal City Utility Charges	115,018	101,456	99,589	125,613	89,367	134,864	47,639	131,756					845,301
Climate Action Levy	97,331	271,749	125,312	213,940	139,196	147,431	102,435	216,141					1,313,535
Mean Temperature (Celsius)	4.10	4.40	7.30	8.00	8.00	15.60	18.90	19.80					
Heating + Cooling Degree Days	432.0	382.0	333.4	291.0	300.7	76.9	56.0	53.3					





August 31, 2022

Ref: 117011

Champions Stream: Low Carbon Economy Challenge Review Panel
Environment and Climate Change Canada

Email: lcef-fefec@ec.gc.ca

cc: ministre-minister@ec.gc.ca
jcote@newwestcity.ca
dtambellini@newwestcity.ca

Dear Low Carbon Economy Challenge Review Panel:

**Re: Letter of Support for the Sapperton District Energy System – Phase One,
City of New Westminster**

I am writing to provide my support for the Sapperton District Energy System – Phase One project submission to the Champions Stream: Low Carbon Economy Challenge. The project includes a 12-megawatt expandable system to provide heat extracted from sewage as a sustainable, low greenhouse gas (GHG) emitting source of energy, to service Royal Columbian Hospital and the surrounding, rapidly growing neighborhoods, located at two SkyTrain stations.

This innovative project is consistent with the provincial government's commitment to climate action, as outlined in the CleanBC Roadmap to 2030 and the BC Climate Preparedness and Adaptation Strategy. While my staff have not evaluated this funding application against your program criteria, my Ministry supports, in principle, the development of district energy systems that reduce GHG emissions. I understand the project is also supported by Metro Vancouver and is being reviewed by BC Hydro.

Royal Columbian Hospital is one of only three regional hospitals in the Fraser Health Region offering 24/7 primary, secondary, and tertiary services. The hospital is a highly specialized regional trauma centre, and the new Mental Health and Substance Use Wellness Centre is a 75-bed state-of-the-art center for people with mental health and substance use concerns.

.../2

The hospital's operation and specialized services are essential, especially during the current multiple crises we are all facing, including the COVID-19 pandemic, the opioid crisis, and housing and mental health crises in our communities. The Province is supportive of this opportunity for Royal Columbian Hospital to significantly decrease its impact on the environment, through the reduction of GHG emissions by 3,436 tonnes of CO₂e annually, and 85,976 tonnes CO₂ over the lifespan of the project.

The Province of British Columbia continues to support the climate action efforts of municipal governments, such as New Westminster, with strong climate action priorities. I hope we can rely on the support of Environment and Climate Change Canada and the Government of Canada to advance the Sapperton District Energy System.

Sincerely,

A handwritten signature in black ink, appearing to read "Bruce Ralston", with a stylized flourish at the end.

Bruce Ralston
Minister