

November 30, 2023

Ms. Jennifer Kinneman
Chief Administrative Officer
Fraser Valley Regional District
45950 Cheam Avenue
Chilliwack, BC V2P 1N6

Dear Jennifer:

Re: Annual Fraser Valley Regional District Capital Funding Request

The following table summarizes the \$37.3 million in capital investments that Fraser Health has approved for Fraser East in 2023/24. These facility projects and equipment are a top priority for the delivery of services in Fraser East. Fraser Health would like the Fraser Valley Regional Hospital District to consider contributing \$6.5 million (17.4 per cent) toward the cost of the investments as noted in the following table (\$2.5 million for major capital and \$4.1 million for minor capital).

	2023-24 (\$000's)			
	Total	FH	FVRHD	Foundation
Major Capital				
Abbotsford ICMRAAC/OAT Tenant Improvement	4,554	4,554	-	-
ARH Drug Distribution Cabinets Replacement	2,920	2,920	-	-
ARH Land Improvement - Parking	2,114	2,114	-	-
ARH ED Zone 5 Security Upgrade	1,926	1,156	770	-
ARH Digital Screening Mammography Replacement	1,707	856	571	280
Chilliwack Land Acquisition & Houses Demolition	7,100	7,100	-	-
CGH MDR Cart Washer Replacement & Renovation	2,855	1,713	1,142	-
Mission UPCC & PPH Tenant Improvement	9,350	9,350	-	-
Total Capital Major	22,938	20,175	2,483	280
Minor Capital				
ARH Ultrasound Replacement (2)	270	162	108	-
ARH C-Am Pacemaker Implant Program	244	86	58	100
ARH Radiographic Unit for ADC	208	125	83	-
ARH Breast Tomosynthesis Mammography Software Upgrade	200	120	80	-
ARH Blood Lab Transfusion Analyzer	115	69	46	-
ARH MDR Low Temperature Sterilizer	124	74	50	-
CGH C Wing AHU Replacement	630	378	252	-
CGH 120 Ton Chiller Replacement	600	360	240	-
CGH C Wing #6 #7 #8 Elevators Modernization	600	360	240	-
CGH Urology Table Replacement	516	310	206	-
CGH Parkholm Elevator #1 Modernization	400	240	160	-
CGH MHSU IPU Fence Installation	275	165	110	-
CGH Radiographic Unit Mobile Replacement	188	113	75	-
FCH Helipad Recommissioning	270	270	-	-
Fraser Hope Lodge Roof Replacement	2,330	1,398	932	-
HV South & East Patio Roof Replacement	480	288	192	-
MMH Drug Distribution Cabinets Replacement	584	584	-	-
MMH Acute Southwest Roof Replacement	466	280	186	-
MMH Exterior Wall Upgrade	460	276	184	-
MMH Service Elevator Modernization	450	270	180	-
MSA Cottage Worthington Dishwasher Replacement	130	78	52	-
Under \$100K equipment	5,105	3,345	699	1,061
Total Capital Minor	14,375	9,188	4,026	1,161
Total Capital	37,313	29,363	6,509	1,441
Funding Percentage		78.7%	17.4%	3.9%

As previously communicated, as long as equipment purchased with contributions from the Fraser Valley Regional Hospital District has a remaining useful life, Fraser Health guarantees that none of that equipment will be relocated to facilities outside of the Regional Hospital District jurisdiction.

Following is a description of the capital projects that are included in the above tables.

Abbotsford ICM/RAAC/OAT Tenant Improvement: Tenant improvement towards delivery of a new Intensive Case Management (ICM) team as well as long-term space solutions for two other programs, the Opioid Agonist Treatment (OAT) clinic and the Rapid Access Addiction Clinic (RAAC), which will all co-locate at the new site to support the Abbotsford/Mission area.

Abbotsford Regional Hospital Drug Distribution Cabinets Replacement: Replacing end of life Pyxis automated dispensing units (purchased 2008) that are not compatible with Windows 10, resulting in data security risks. The new units will introduce the latest technology and will allow for integration with the new Meditech Expanse program when implemented at the site. Associated renovations will include IT upgrades as well as a general upgrade to the space.

Abbotsford Regional Hospital Land Improvement - Parking: Development of a new parking lot for Abbotsford Regional Hospital (ARH) on the current land at 33012 Marshall Road to increase hospital site parking.

Abbotsford Regional Hospital ED Zone 5 Security Upgrade: The current physical design of the ARH Emergency Department Zone 5 presents risk of harm to staff from patients. The project deals with finding a solution to enhance staff security and minimize/eradicate violent incidents staff might encounter on the ARH ED Zone 5 Unit.

Abbotsford Regional Hospital Digital Screening Mammography Replacement: Replacing end of life unit (purchased 2008) experiencing frequent down time. The new unit will introduce the latest technology, improving image quality, diagnosis, patient comfort and ergonomics. Associated renovations will include HVAC and IT upgrades as well as a general upgrade to the room.

Chilliwack Land Acquisition and Houses Demolition: A land assembly of five lots on Mary and School streets adjacent to the Chilliwack General Hospital (CGH) was purchased in the prior year. An additional three lots were purchased in the same vicinity in the current year. This land is required to accommodate potential expansion of CGH and/or related health care facilities and services in the future. Some of the lots currently have residential housing units on-site that are no longer occupied and require demolition per City requirements.

Chilliwack General Hospital Medical Device Reprocessing Cart Washer Replacement and Renovation: Replace 12 year old cart washer that is technologically dated and does not meet current standards for thermal disinfection. The project will provide new instrument air and reverse osmosis water to support the operation of the equipment and department.

Mission UPCC and PPH Tenant Improvement: Tenant improvement towards the delivery of a new Urgent and Primary Care Centre (UPCC) and long-term space solution for the Population and Public Health (PPH) team supporting the Abbotsford/Mission area. The UPCC clinical service model will provide a mix of both urgent and scheduled full-scope primary care appointments. The PPH program provides services to promote health and wellness to patients and families.

Abbotsford Regional Hospital Ultrasound Replacement (2): Life expectancy of an ultrasound machine is six years. These machines are nine years old. There has been a 29 per cent increase in the number of ultrasound scans performed in the last five years. In 2016 ARH performed 15,790 scans, and are on track to perform more than 20,000 scans in 2023. New units are needed to keep up with the increased demand.

Abbotsford Regional Hospital C-Arm Pacemaker Implant Program: The mobile C-Arm, a medical imaging device, is needed for the new Implantable Cardiac Electrical Device (ICED) program being implemented at ARH. Currently the ICED program is available at only at Royal Columbian Hospital and Jim Pattison Outpatient Care and Surgery Centre. Service is needed for the Fraser Valley region.

Abbotsford Regional Hospital Radiographic Unit for ADC: The Radiographic Unit is used for Endoscopic Retrograde Cholangiopancreatography (ERCP), which is a procedure to diagnose and treat problems in the liver, gallbladder, bile ducts and pancreas. It combines medical imaging equipment and the use of an endoscope. This unit will assist the physician to see very small tubules and identify diseased tissues during the procedure, as it is very important to have a clear visual as the ducts are very small.

Abbotsford Regional Hospital Breast Tomosynthesis Mammography Software Upgrade: The 3D software Tomosynthesis is a software upgrade for the existing diagnostic mammography unit. This has been shown to improve accuracy and reduce both false positive and false negative rates. Continued 2D imaging risks include increased waitlists and unnecessary mammography, breast ultrasound and biopsy procedures for patients.

Abbotsford Regional Hospital Blood Lab Transfusion Analyzer: The current eight year old analyzers are the workhorses of the transfusion department and are due for replacement. The new analyzer will increase efficiency and productivity of the department. The analyzer will also serve the other sites with complex testing.

Abbotsford Regional Hospital Medical Device Reprocessing Low Temperature Sterilizer: The current sterilizers are beyond their useful life and will no longer be supported. The low temperature sterilizer is needed for sterilizing all heat-sensitive or moisture-intolerant surgical equipment and supplies such as telescopes, batteries, camera heads and some flexible scopes.

Chilliwack General Hospital C Wing Air Handling Unit Replacement: The CGH C Wing Air Handling Unit (AHU) is original from the 1950s and the unit is showing its age with rust, deteriorated parts and an inefficient motor. The new AHU will have a new fan wall unit with new coils, sheet metal with new insulation and damper with controls.

Chilliwack General Hospital 120 Ton Chiller Replacement: The current 120-ton chiller at CGH is old and currently too small for the current environmental conditions. The replacement will be larger with new pumps and controls. This would ensure adequate cooling in higher heat conditions.

Chilliwack General Hospital C Wing #6, #7, & #8 Elevators Modernization: Modernization of the elevators is required as they are operating past their useful lives. The #6 elevator was installed in 1939 with an upgrade in 1958. The #7 and #8 elevators were installed 1971. The elevators are utilized heavily and have failed several times recently, requiring patch-work fixes to continue operating.

Chilliwack General Hospital Urology Table Replacement: The current operating room table does not provide all features to perform best practice urology surgeries. Some surgeries have had to be cancelled. Urology services is a big part of the CGH operating room slate, with many in the region waiting for elective surgeries. The new table will provide more efficiently performed procedures and thus have the ability to increase patient volume for this service.

Chilliwack General Hospital Parkholm Elevator #1 Modernization: Modernization of the elevator is required as it is operating past its useful life (installed in 1972). It is the only elevator for the psychiatric department and is the only access to the second floor for the department, so it needs to maintain operation to minimize hospital disruption.

Chilliwack General Hospital Mental Health and Substance Use Inpatient Unit Fence Installation: The current fence is a safety concern as patients can easily exit out of the yard, and illicit substance are being passed back into the yard through the large openings. The new fence will have panels that fold inward at the top to prevent climbing. The Inpatient Unit Manager has met with Security and with Health and Safety to review and approve the plans.

Chilliwack General Hospital Radiographic Unit Mobile Replacement: The current machine is 21 years old and being used as a backup, as its technology is outdated. Replacement parts are increasingly difficult to obtain. The new Radiographic unit will improve efficiencies in the emergency, intensive care unit, in-patient units and post-anesthesia care unit.

Fraser Canyon Hospital Helipad Recommission: A fully functioning helipad is needed due to the unique location and complex patient transport logistics/risks associated with the Fraser Canyon Hospital site in Hope.

Fraser Hope Lodge Roof Replacement: The Fraser Lodge at Fraser Canyon Hospital was constructed in 1990. The roof has reached the end of its useful life and requires replacement. Leaks from the roof have been increasing especially during the winter storms.

Heritage Village South and East Patio Roof Replacement: The east patio is almost 30 years old and has exceeded its designed life cycle. On the south patio leaks have occurred. Water in the wall leaked behind the flashing and the membrane completely delaminating the SBS membrane, which is 30 years old.

Mission Memorial Hospital Drug Distribution Cabinets Replacement: Replacing end of life Pyxis automated dispensing units (purchased 2008) that are not compatible with Windows 10, resulting in data security risks. The new units

will introduce the latest technology and will allow for integration with the new Meditech Expanse program when implemented at the site. Associated renovations will include IT upgrades as well as a general upgrade to the space.

Mission Memorial Hospital Acute Southwest Roof Replacement: Replacement is needed for the thirty year old roof, which has exceeded its expected life. The roof is experiencing leaks and there are splits in the roof membrane caused by the heat and UV rays of the sun. The leaks have also cause internal damage to the building.

Mission Memorial Hospital Exterior Wall Upgrade: The wall water barrier is deteriorating and needs to be upgraded. The project will remove the existing stucco, remove building paper, install Tyvek commercial warp paper, install new strapping and install all new flashing to complete wall water proofing.

Mission Memorial Hospital Service Elevator Modernization: The elevator was installed in approximately 1965 and had some upgrades in the late 1970s. The controller is obsolete and working beyond its expected life. The elevator technician has been onsite frequently to trouble-shoot issues with the drives and other parts of the elevator. Modernization is needed to maintain consistent site operations.

MSA Cottage Worthington Dishwasher Replacement: The conveyor type dishwasher has exceeded its useful lifecycle expectation. It was not functional and the cost of repair was excessive. It is being replaced by a more modern, efficient energy recovery unit.

Equipment between \$5,000 and \$100,000: Appendix A provides a detailed listing of \$5.1 million in equipment purchases between \$5,000 and \$100,000 by site and item of equipment.

Thank you for your consideration of our funding request. I trust that this letter provides you with the information you need to proceed. Further to the current funding request, Fraser Health will work with the Regional District in strengthening the collaboration on planning for capital and digital health improvement projects in the region. I will work with you in creating a planning engagement roadmap. This will enhance the information sharing on annual capital plans and future priority investments.

Sincerely,



Sharat Chandra
Vice President, Strategic Capital Investments and Facilities

SC/tls

Cc:

Dr. Victoria Lee, President and Chief Executive Officer
Brenda Liggett, VP Integrated Commercial Services and Chief Financial Officer
Brian Scudder, Director, Capital Planning, Administration and Accounting

Appendix A

Site	CEC #	Department	Equipment Description	Replacement			FHA	FVRHD	Foundation Auxiliary
				or New	QTY	Total Cost			
ARH	31324001	Cheam 2, Oncology	Ice Machine	R	1	9,300			9,300
ARH	31324002	ER	Tonometer	N	1	7,300			7,300
ARH	31324003	ER	Ultrasound	N	1	83,000			83,000
ARH	31324004	Cheam 2, Oncology	Bladder Scanner	R	1	14,000			14,000
ARH	31324005	ICU	Fluid Management system	R	1	45,400	2,847	1,898	40,655
ARH	31324006	Lab, Blood Transfusion	Plasma Thawer	R	1	15,900	9,540	6,360	
ARH	31324008	Speech Pathology	Rhinolaryngoscope	N	1	22,000	1,200	800	20,000
ARH	31324009	Cheam 2, Oncology	Mattress	N	1	6,000			6,000
ARH	31324010	OR	Injector	R	1	34,000	20,400	13,600	
ARH	31324011	OR	Blanket	N	1	12,000	7,200	4,800	
ARH	31324014	OR	Table	N	1	56,100	33,660	22,440	
ARH	31324015	Respiratory Therapy	Glidescope	N	1	24,900	4,140	2,760	18,000
ARH	31324016	OR	Analyzer	N	1	10,500			10,500
ARH	31324017	Cheam 3	Bladder Scanner	N	1	21,600			21,600
ARH	31324018	Ambulatory Day Care	Gastroscope	R/N	5	173,500	104,100	69,400	
ARH	31324019	Pharmacy	Refrigerator	R	1	15,600	9,360	6,240	
ARH	31324020	ICU	Bronchoscope	R	1	31,300	18,780	12,520	
ARH	31324021	NICU	Ventilator	N	2	113,600			113,600
ARH	31324022	Housekeeping	Floor Scrubber	N	31	318,400	191,040	127,360	
ARH	31324023	ER	Slit Lamp	R	1	14,800	8,880	5,920	
ARH	31324024	NICU	Ice Machine	R	1	8,900	5,340	3,560	
ARH	31324025	Maternity	Ice Machine	R	1	8,900	5,340	3,560	
ARH	31324026	Dialysis Hemo	Ice Machine	R	1	8,900	5,340	3,560	
ARH	31324027	ADC	Uroflow meter	R	1	8,000	4,800	3,200	
ARH	31324028	ADC	Urodynamic System	R	1	76,600	45,960	30,640	
ARH	31324029	Food Services	Heater	N	3	29,900	29,900		
ARH	31324030	Food Services	Heat on Demand Activator	N	1	13,500	13,500		
ARH	31324031	Food Services	Meal Delivery Cart	N	9	115,200	115,200		
ARH	31324032	Food Services	Meal Delivery Cart	N	3	22,800	22,800		
ARH	31324033	Food Services	Kettle	N	1	15,700	15,700		
ARH	31324034	Food Services	Cabinet	N	2	17,600	17,600		
ARH	31324035	Food Services	Ice Machine	N	1	12,600	12,600		
ARH	31324036	Food Services	Toaster	N	1	5,600	5,600		
ARH	31324037	Food Services	Kettle	N	2	53,800	53,800		
ARH	31324039	SDC	Ice Machine	R	1	9,600	5,760	3,840	
ARH	31324040	NICU	Ventilator	R	2	123,400	123,400		
ARH	31324041	Ambulatory Day Care	Colonoscope	N	2	91,200	91,200		
ARH	31324042	Ambulatory Day Care	Colonoscope	R/N	2	112,200	67,320	44,880	
ARH	31324043	Ambulatory Day Care	Gastroscope	R/N	2	69,400	41,640	27,760	
ARH	31324044	Nuclear Medicine	Probe	R	1	34,700	20,820	13,880	
ARH	31324045	ICU	Fluid Management system	N	1	30,400			30,400
ARH	31324046	ICU	Ultrasound	N	1	72,300			72,300
ARH	31324047	ICU	Blanket	N	1	38,900			38,900
ARH	31324048	ICU	Lift	N	2	47,400			47,400
ARH	31324049	Lab, Anatomical Pathology	Embedding Center	R	1	20,000	12,000	8,000	
ARH	31324050	IP, Psych Unit	Sensory Stimulation	N	1	12,200			12,200
ARH	31324051	Ambulatory Day Care	Ice Machine	R	1	9,600	5,760	3,840	
ARH	31324052	Maternity	Incubator	R	1	79,300	79,300		
ARH	31324053	NICU	Incubator	R	15	1,197,300	1,197,300		
ARH	31324054	Pediatrics	Incubator	R	3	237,800	237,800		
ARH	31324055	ICU	Glidescope	N	1	6,200			6,200
ARH	31324056	MI, General Procedures	Chair	R	1	6,600			6,600
Total Abbotsford Regional Hospital & Cancer Centre						3,625,700	2,646,927	420,818	557,955
CGH	31124001	Speech Pathology	Video Recorder	N	1	28,100			28,100
CGH	31124002	Surgical 4 South	Bladder Scanner	R	1	21,600	12,960	8,640	
CGH	31124003	Ambulatory Care Clinic	Cystoscope	R	18	320,400	192,240	128,160	
CGH	31124004	Ambulatory Care Clinic	Cystoscope	R	1	47,500	28,500	19,000	
CGH	31124005	Ambulatory Care Services	Stretcher	N	1	8,600			8,600
CGH	31124006	Emergency	Pump	R	1	52,900	1,740	1,160	50,000
CGH	31124007	Emergency	Glidescope	N	1	14,400	4,140	2,760	7,500
CGH	31124008	Respiratory Therapy	Ventilator	R	1	63,300			63,300
CGH	31124009	NU5-North	Lift	N	1	11,900			11,900
CGH	31124010	Emergency	Stretcher	R	1	8,100	4,860	3,240	
CGH	31124011	ADC	Colposcope	N	1	36,100	21,660	14,440	
CGH	31124012	SDC	Ice Machine	R	1	10,700	6,420	4,280	
CGH	31124014	OR	Table	R	1	48,600			48,600
CGH	31124015	Emergency	Ice Machine	R	1	10,700	6,420	4,280	
CGH	31124016	LTC	Ice Machine	R	1	10,700	6,420	4,280	
CGH	31124017	Maternity	Bed	R	3	80,000	80,000		
CGH	31124018	Ambulatory Care Services	Gastroscope	R	1	34,700	20,820	13,880	
CGH	31124019	ADC	Stretcher	N	1	8,100	4,860	3,240	
CGH	31124020	Ophthalmology Clinic	Video Surgical System	R	1	55,600			55,600
CGH	31124021	Ophthalmology Clinic	Video Surgical System	R	1	55,600			55,600
CGH	31124022	ICU	Ventilator	R	1	63,000			63,000
CGH	31124023	Ambulatory Care Clinic	Colonoscope	N	1	45,601	45,601		
CGH	31124024	MDR	Table	R	5	44,305	44,305		
Total Chilliwack General Hospital						1,080,506	480,946	207,360	392,200
FCH	31824001	Lab, Clinical	Centrifuge	R	1	19,900	11,940	7,960	
Total Fraser Canyon Hospital						19,900	11,940	7,960	-

Site	CEC #	Department	Equipment Description	Replacement or New	QTY	Total Cost	FHA	FVRHD	Foundation Auxiliary
MMH	31024001	Christine Morrison Hospice	Wheelchair	N	1	5,900	3,540	2,360	
MMH	31024002	Food Services	Refrigerator	R	1	21,500	12,900	8,600	
MMH	31024004	Food Services	Waste Disposal Unit	N	1	14,800	8,880	5,920	
MMH	31024005	ADC	Colonoscopy	N	1	45,600	45,600		
MMH	31024006	2nd Floor Medicine	Bed	R	3	49,800	49,800		
MMH	31024007	ER	Stretcher	N	1	16,700			16,700
Total Mission Memorial Hospital						154,300	120,720	16,880	16,700
MSA	31224001	LTC, Worthington	Chair	R	1	13,300	7,980	5,320	
MSA	31224002	LTC, Worthington	Disinfectant	R	2	40,400	24,240	16,160	
MSA	31224003	LTC, Worthington	Bed	R	10	60,400	36,240	24,160	
Total MSA Cottage & Worthington						114,100	68,460	45,640	-
East CC	40324001	Community Health Nurse	Stretcher Chair	R	1	8,100	8,100		
East CC	40324002	Primary Care Network	Ultrasound	R	2	10,400			10,400
Total Fraser East Continuing Care						18,500	8,100	-	10,400
MHSU	50324001	Adolescent Day Treatment	Vehicle, Transit passenger	R	1	83,900			83,900
MHSU	50324002	Adolescent Day Treatment	Trailer, Cargo	N	1	8,100	8,100		
Total East Mental Health & Substance Use						92,000	8,100	-	83,900
Total Fraser East						5,105,006	3,345,193	698,658	1,061,155