

March 10, 2022

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

Dear Jennifer:

Re: Annual Fraser Valley Regional Hospital District Capital Funding Request

The following table summarizes the \$42.3 million in capital investments that Fraser Health has approved for Fraser East in 2021/22. 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 \$4.2 million toward the cost of the investments included in the minor capital category. The investments noted in the major capital category are for your information only.

	2021-22 (\$000s)				
	Total	FH	FVRHD	Foundation	Other
Major Capital					
Abbotsford - Marshall Road Land Acquisition	14,026	14,026	-	-	-
Chilliwack Primary Care Clinic	5,356	4,036	-	-	1,320
FCH/HV/MMH Energy/Greenhouse Gas Reduction	2,155	2,155	-	-	-
MMH CT Scanner	8,415	7,282	-	1,133	-
Total Capital Major	29,952	27,499	-	1,133	1,320
Minor Capital					
ARH Chemistry Analyzers Autoline	1,422	853	569	-	-
ARH Sterilizer Low Temperature (2)	248	149	99	-	-
ARH Ultrasound Cardiac TEE System	172	103	69	-	-
ARH Portable X-Ray	156	94	62	-	-
ARH Pulmonary Function Lab System Replacement	132	79	53	-	-
CGH B Wing Plumbing/Sanitary System Renewal	1,900	1,140	760	-	-
CGH Mammography Room Renovation	1,000	240	160	600	-
CGH Ultrasound , Diagnostic - MI	405	243	162	-	-
CGH Boiler Room Electrical Panels Replacement	390	234	156	-	-
CGH Lab Cell Counter (3)	278	167	111	-	-
CGH Instrument Washer (2)	218	131	87	-	-
CGH C Wing Fan System Renewal	160	96	64	-	-
CGH Sterilizer Low Temperature	124	74	50	-	-
FCH Water Main Replacement	235	141	94	-	-
HV Chiller Replacement	310	186	124	-	-
MMH Electrical Panels Upgrade	1,000	600	400	-	-
MMH Elevator #1 Modernization	450	270	180	-	-
MMH Roof - Emergency & Diagnostic Imaging	400	240	160	-	-
MSA - Food Services Refrigeration System	101	61	40	-	-
Under \$100K equipment	3,296	1,246	831	1,219	-
Total Capital Minor	12,397	6,347	4,231	1,819	-
Total Capital	42,349	33,846	4,231	2,952	1,320

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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 included in the above table.

Abbotsford – Marshall Road Land Acquisition: Acquisition of a property located at 33012 Marshall Road, Abbotsford, BC, to support expansion of the Abbotsford Regional Hospital and Cancer Centre campus to address parking pressures and for expansion of essential health care services in the future.

Chilliwack Primary Care Clinic: Tenant improvement to build a Primary Care Clinic in Chilliwack at 104 - 7955 Evans Road. The Chilliwack Primary Care Clinic will see some of the most complex and vulnerable patients in Chilliwack who do not fit a traditional fee-for-service model in community practices. It will provide access to comprehensive care including pain management, chronic disease management, medication reviews and supports from mental health services. This clinic also supports recently discharged patients from hospital with multiple co-morbidities who do not have a primary care provider.

Fraser Canyon Hospital/Heritage Village/Mission Memorial Hospital Energy/Greenhouse Gas Reduction: Site energy projects that provide environmental benefits such as better air quality, improved lighting, increased thermal comfort and greenhouse gas reduction. The projects are required to generate annual energy savings.

Mission Memorial Hospital CT Scanner: New CT Scanner (first) at Mission Memorial Hospital to provide scanning technology to the Mission community and surrounding areas to meet patients' needs closer to home. This will enable more timely diagnosis, follow up and treatment through reducing wait times while eliminating the need to transfer patients to other sites to receive this service. This project will include the relocation of Health Records and a Physician Lounge, and expansion/renovation of the Medical Imaging department to install the scanner within the Medical Imaging department and provide improved overall patient and provider flow. For emergency patients requiring CT services, there will be a direct, short internal corridor from the Emergency Room to the CT room.

Abbotsford Regional Hospital Chemistry Analyzers Autoline: Abbotsford Regional Hospital is one of the larger high-volume chemistry labs within Fraser Health for patient sample analysis. The existing chemistry autoline is in need of replacement as the system is 10 years old, which is beyond its expected service life and is frequently in downtime. The replacement, with newer higher throughput, will allow for the increased demand for testing and be the first step to standardization of equipment across all Fraser Health labs.

Abbotsford Regional Hospital Sterilizer Low Temperature (2): Replacement of two low temperature sterilizers in Medical Device Reprocessing, as the current ones are obsolete and replacement parts are limited. The sterilizers are used to sterilize all heat-sensitive or moisture-intolerant surgical equipment and supplies such as telescopes, batteries, camera heads and some flexible scopes.

Abbotsford Regional Hospital Ultrasound Cardiac Triage Transesophageal Echocardiogram (TEE) System: The existing Cardiac Ultrasound is 11 years old and at end of life. The new ultrasound will have improved resolution and technologies for more efficient delivery of the service. The cardiac ultrasound TEE system uses echocardiography to assess the structure and function of the heart by inserting a probe with a transducer down the esophagus, which provides a clearer image of the heart.

Abbotsford Regional Hospital Portable X-Ray: Replacement of a 13 year old end of life unit experiencing significant down time. The new portable x-ray machine will improve efficiencies to support the increased demand from the Emergency Room, Intensive Care Unit, Operating Rooms, Neonatal Intensive Care Unit, High Acuity Unit, Critical Care Unit and inpatients.

Abbotsford Regional Hospital Pulmonary Function Lab System Replacement: Replacement of system that provides pulmonary diagnostic testing. The existing equipment was purchased in 2008. The new equipment, consisting of two Body Boxes and Masterscreens, will result in more reliable and consistent measurements.

Chilliwack General Hospital B Wing Plumbing/Sanitary System Renewal: Renewal of the domestic and sewer system, which is in an advanced stage of erosion, no longer code compliant and experiencing minor leaks. The requirement is to replace the supply and drain systems, and update/relocate new shut-off valves in the B wing, which was constructed in 1958.

Chilliwack General Hospital Mammography Room Renovation: Renovate the room, which is too small and only allows for biopsies to be completed in a sitting position since the biopsy stretcher will not fit in the room in the recumbent position. In the event of an emergency, the patient needs to be removed out of the procedure room to a public space in order to lie down, be assessed and recover.

Chilliwack General Hospital Boiler Room Electrical Panels Replacement: Replace electrical switchboard for boilers #1 (circa 1971) and #2 (circa 1986). Chilliwack General Hospital is within the Chilliwack flood plain, with this switchgear about six feet below grade and at high risk to flood exposure (including risks from pipe flooding and sump pump failures).

Chilliwack General Hospital Lab Cell Counter (3): Replace two cell counter analyzers and a digital morphology analyzer that are all over 10 years old. This purchase is essential to avoiding service disruptions due to aging equipment, and to ensuring accuracy and efficiency of patient results. The laboratory's automated cell counter systems are their sole source of hematology profile (White Blood Cell, Red Blood Cell, Platelet Count, cell differential) testing and therefore a critical asset.

Chilliwack General Hospital Instrument Washers (2): Replace two instrument washers in Medical Device Reprocessing, which are obsolete with limited parts or service available. They do not meet the requirements for validating thermal disinfection.

Chilliwack General Hospital C Wing Fan System Renewal: Renewal of the fan systems in the C wing penthouse (circa 1971), which have exceed their 25-year life expectancy. The heating system coils, isolation valves, actuators and fans are failing, obsolete and past service life. Long-term care and psychiatric services could lose heat in the winter if the systems are not replaced. Overall energy efficiency will be improved.

Chilliwack General Hospital Sterilizer Low Temperature: Replacement of low temperature sterilizer in Medical Device Reprocessing, which is over 13 years old and experiencing frequent down time, with limited replacement parts available. The sterilizers are used to sterilize all heat-sensitive or moisture-intolerant surgical equipment and supplies such as telescopes, batteries, camera heads and some flexible scopes.

Fraser Canyon Hospital Water Main Replacement: Replace the potable water main line. On July 2, 2021, Fraser Canyon Hospital experienced a main water line rupture. Subsequent repairs showed that the installation and ground preparation around the pipeline was not up to current code. While the line was repaired, there is the potential for failure of this line that could disrupt facility operations.

Heritage Village Chiller Replacement: Replace the existing chiller at Heritage Village, which is not able to cool the entire facility. While this unit was installed in 2011 and is only 10 years old, it is hard to find replacement parts as the chiller is no longer manufactured.

Mission Memorial Hospital Electrical Panels Upgrade: Replace the 50 original electrical panels in the acute building, which was constructed in 1965. Parts are difficult to obtain. The panels are approaching capacity. The breakers are obsolete and pose a safety risk. Grounding does not meet current Canadian Standards Association (CSA) standards.

Mission Memorial Hospital Elevator #1 Modernization: Upgrade the main elevator, which was installed in 1965. It is a hydraulic elevator that services the three floors. The elevator is outdated and operating at end of life. The upgraded elevator will function more efficiently, taking less time for our patients, physicians, staff and visitors to reach their destinations within the hospital. It will reduce the risk of elevator outages and entrapments, ensuring continuous safety.

Mission Memorial Hospital Roof – Emergency and Diagnostic Imaging: The roof, which was installed over 20 years ago, is aging and requires upgrading to mitigate further leaks and flooding.

Matsqui Sumas Abbotsford (MSA) – Food Services Refrigeration System: Retrofit the existing walk-in cooler/freezer at Cottage Worthington and replace with new in-floor heating, new panel walls and ceiling, and new evaporators. The unit is 34 years old and, due to structural deficiencies and poor insulation, is unable to maintain the proper temperature. It has also caused mold issues in the adjoining office.

Equipment between \$5,000 and \$100,000: Appendix A provides a detailed listing of \$2.1 million in equipment purchases between \$5,000 and \$100,000 by site and item of equipment. Not individually listed and included is equipment funded by the Foundation in the amount of \$1.219 million. That amount, however, has been included in the first table.

Thank you for your consideration of our funding request. I trust that this letter provides you with the information you need to proceed. Please feel free to contact me if I can provide any additional information.

Sincerely,



Dr. Victoria Lee
President and Chief Executive Officer

VL/tls

Cc: Brenda Liggett, VP Integrated Commercial Services and Chief Financial Officer
Brent Kruschel, VP Informatics, Technology and Facilities
Brian Scudder, Director, Capital Planning, Administration and Accounting

Appendix A - Equipment between \$5,000 and \$100,000

Site	CEC #	Department	Equipment Description	Reason for request		Quantity	Total Cost	FHA 60%	FVRHD 40%
				Replacement/	New				
MMH	31022003	Ambulatory Daycare	Colonoscope	R		1	44,440	26,664	17,776
MMH	31022004	Ambulatory Daycare	Gastroscope	R		1	34,685	20,811	13,874
MMH	31022005	2nd Fl, Medicine	Bed	R		5	52,341	31,405	20,936
MMH	31022006	Plant Services	Piping Press Tool	N		1	4,044	2,426	1,618
MMH	31022008	Medical Path	Macerator	R		1	9,900	5,940	3,960
Total Mission Memorial Hospital							145,410	87,246	58,164
CGH	31122003	Lab, Clinical	Analyzer	R		2	75,495	45,297	30,198
CGH	31122004	IP Psych Unit	Bed	R		1	6,729	4,038	2,692
CGH	31122005	Plant Services	Compressor	R		1	18,400	11,040	7,360
CGH	31122006	Biomedical Engineering	Fluke Analyzer	R		1	11,296	6,778	4,518
CGH	31122012	NU4 South Medicine	Ice Machine	R		1	6,754	4,052	2,702
CGH	31122014	NU5 North Medicine	Medication Cart	N		1	10,773	6,464	4,309
CGH	31122015	Ambulatory Care	Colonoscope	R		2	86,929	52,158	34,772
CGH	31122016	Ambulatory Care	Colonoscope	R		2	86,929	52,158	34,772
CGH	31122017	Ambulatory Care	Colonoscope	R		2	86,929	52,158	34,772
CGH	31122018	Ambulatory Care	Colonoscope	R		1	44,440	26,664	17,776
CGH	31122019	Ambulatory Care	Gastroscope	R		2	69,369	41,621	27,748
CGH	31122020	Ambulatory Care	Gastroscope	R		1	34,685	20,811	13,874
CGH	31122026	ED Health Services	Defibrillator	R		6	95,400	57,240	38,160
CGH	31122027	ER	Bladder Scanner	R		1	19,100	11,460	7,640
CGH	31122028	MI, Ultrasound Diagnostic	Stretcher	R		1	9,500	5,700	3,800
CGH	31122029	IV Amb Home Program	Vascular Ultrasound	R		1	23,400	14,040	9,360
CGH	31122031	Respiratory Therapy	Oximetry Monitor	N		2	10,800	6,480	4,320
CGH	31122032	Respiratory Therapy	Pulmonary Function Analyzer	R		1	76,500	45,900	30,600
CGH	31122033	MDR	Irrigator	R		1	42,800	25,680	17,120
Total Chilliwack General Hospital							816,228	489,737	326,491
MSA	31222001	Res Care, Cottage	Beds	N		10	58,957	35,374	23,583
MSA	31222004	Res Care, Cottage	Shower Chair	R		1	13,188	7,913	5,275
MSA	31222005	Res Care, Worthington	Mobile Lift	R		4	28,400	17,040	11,360
MSA	31222006	Res Care, Cottage	Shower Chair	R		1	14,100	8,460	5,640
Total MSA Cottage & Worthington							114,645	68,787	45,858
ARH	31322001	Maternity	Ice Machine	R		1	6,447	3,868	2,579
ARH	31322002	Lab, Clinical	Analyzer	R		2	92,212	55,327	36,885
ARH	31322003	MI, Special Procedures	Ultrasound	R		1	64,710	38,826	25,884
ARH	31322004	Medical ACE unit	Ice Machine	R		1	6,490	3,894	2,596
ARH	31322005	Lab, Hematology	Analyzer	N		1	82,721	49,633	33,088
ARH	31322007	Pharmacy	Refrigerator	R		1	13,334	8,000	5,333
ARH	31322008	MI, General Procedures	Ultrasound	R		1	55,100	33,060	22,040
ARH	31322010	ICU	Rapid Infuser Pump	N		1	51,600	30,960	20,640
ARH	31322011	OR	Rapid Infuser Pump	N		2	103,105	61,863	41,242
ARH	31322012	Lab Chemistry	Analyzer	N		1	64,800	38,880	25,920
ARH	31322014	Lab, Hematology	Incubator	N		1	9,356	5,614	3,742
ARH	31322015	Cardiac Care Unit	Ice Machine	R		1	7,300	4,380	2,920
ARH	31322016	ED, Regional Hosp	Defibrillator	R		15	238,500	143,100	95,400
ARH	31322018	Maternity	Ultrasound	R		1	31,100	18,660	12,440
ARH	31322019	Respiratory Therapy	Monitor	R		3	16,200	9,720	6,480
ARH	31322022	Surgical Unit	Bladder Scanner	N		1	19,700	11,820	7,880
ARH	31322025	Audiology	Audiometer	R		1	31,100	18,660	12,440
Total Abbotsford Regional Hospital & Cancer Centre							893,774	536,264	357,510
FCH	31822004	MI, General Procedures	Ultrasound	N		1	40,983	24,590	16,393
Total Fraser Canyon Hospital							40,983	24,590	16,393
HV	42322001	Food Services	Ice Machine	R		1	7,149	4,289	2,859
HV	42322002	Plant Services	Boiler	R		4	59,212	35,527	23,685
Total Heritage Village							66,361	39,817	26,544
Total Fraser East							2,077,401	1,246,441	830,960