



## Notice of Meeting and Meeting Agenda Capital Regional Hospital District Board

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Wednesday, October 13, 2021

1:05 PM

6th Floor Boardroom  
625 Fisgard Street  
Victoria, BC

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The Capital Regional District strives to be a place where inclusion is paramount and all people are treated with dignity. We pledge to make our meetings a place where all feel welcome and respected.

### 1. TERRITORIAL ACKNOWLEDGEMENT

### 2. APPROVAL OF THE AGENDA

### 3. ADOPTION OF MINUTES

- 3.1. [21-728](#) Minutes of the September 8, 2021 Capital Regional Hospital District Board

**Recommendation:** That the minutes of the September 8, 2021 Capital Regional Hospital District Board be adopted as circulated.

**Attachments:** [Minutes: September 8, 2021](#)

### 4. REPORT OF THE CHAIR

### 5. PRESENTATIONS/DELEGATIONS

*Due to limited seating capacity, this meeting will be held by Live Webcast without the public present.*

#### 5.1. Presentations

#### 5.2. Delegations

- 5.2.1. [21-788](#) Delegation - Patti Dewhurst; Resident of Victoria: Re: Agenda Item 8.1: Summit Noise Concerns Update
- 5.2.2. [21-789](#) Delegation - Kathy Gillis; Resident of Victoria: Re: Agenda Item 8.1: Summit Noise Concerns Update

### 6. CONSENT AGENDA

### 7. ADMINISTRATION REPORTS

### 8. REPORTS OF COMMITTEES

8.1. [21-669](#) Summit Noise Concerns Update

**Recommendation:** [At the October 6, 2021 Hospitals and Housing Committee, the following motion arising was carried:]

The Hospitals and Housing Committee recommends to the Capital Regional Hospital District Board:

1. To direct staff to conduct acoustic engineering work, up to an amount of \$50,000, and report back.
2. And further engage with residents to hear their experiences and that the community be involved, consulted and informed throughout the process moving forward.  
(WA)

**Attachments:** [Staff Report: Summit Noise Concerns Update](#)  
[Appendix A: dba Reading and Associated Noise](#)

9. NOTICE(S) OF MOTION

10. NEW BUSINESS

11. ADJOURNMENT

**Voting Key:**

**NWA - Non-weighted vote of all Directors**

**NWP - Non-weighted vote of participants (as listed)**

**WA - Weighted vote of all Directors**

**WP - Weighted vote of participants (as listed)**

## Meeting Minutes

### Capital Regional Hospital District Board

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Wednesday, September 8, 2021

1:05 PM

6th Floor Boardroom  
625 Fisgard Street  
Victoria, BC

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**PRESENT:**

D. Blackwell (Chair), C. Plant (Acting Vice Chair), P. Brent (for D. Howe), S. Brice, B. Desjardins (EP), H. Gartshore (for G. Orr), F. Haynes, L. Helps, R. Mersereau (EP), M. Hicks, G. Holman, B. Isitt, J. Loveday, R. Martin, C. McNeil-Smith; K. Murdoch (EP), J. Ranns, D. Screech, L. Seaton, M. Tait, N. Taylor, K. Williams (EP), R. Windsor, G. Young

Staff: R. Lapham, Chief Administrative Officer; N. Chan, Chief Financial Officer; L. Hutcheson, General Manager, Parks and Environmental Services; K. Lorette, General Manager, Planning and Protective Services; K. Morley, General Manager, Corporate Services; T. Robbins, General Manager, Integrated Water Services; C. Gilpin, Manager Arts and Culture; M. Lagoa, Deputy Corporate Officer; S. Orr, Senior Committee Clerk (Recorder)

EP - Electronic Participation

Regrets: D. Howe, G. Orr

The meeting was called to order at 1:06 pm.

#### 1. TERRITORIAL ACKNOWLEDGEMENT

A Territorial Acknowledgement was provided in the preceding meeting.

#### 2. APPROVAL OF THE AGENDA

**MOVED** by Director Plant, **SECONDED** by Director Brice,  
That the agenda for the September 8, 2021 Session of the Capital Regional  
Hospital District Board be approved.  
**CARRIED**

#### 3. ADOPTION OF MINUTES

3.1. [21-633](#) Minutes of the June 9, 2021 Capital Regional Hospital District Board

**MOVED** by Director Plant, **SECONDED** by Director Brice,  
That the minutes of the June 9, 2021 Capital Regional Hospital District Board  
meeting be adopted as circulated.  
**CARRIED**

#### 4. REPORT OF THE CHAIR

There were no Chair's remarks.

#### 5. PRESENTATIONS/DELEGATIONS

There were no presentations or delegations.

#### 6. CONSENT AGENDA

There were no consent agenda items.

#### 7. ADMINISTRATION REPORTS

There were no administration reports.

#### 8. REPORTS OF COMMITTEES

##### 8.1. [21-604](#) Esquimalt Urgent and Primary Care Centre Funding Request

K. Lorette spoke to Item 8.1.

**MOVED** by Director Desjardins, **SECONDED** by Director Loveday,

a) That CRHD funding in the amount of \$886,414 be approved for the Esquimalt Urgent and Primary Care Centre (UPCC).

**CARRIED**

**MOVED** by Director Desjardins, **SECONDED** by Director Loveday,

b) That CRHD Bylaw No. 407, "Capital Regional Hospital District Capital Bylaw No. 181, 2021" be introduced and read a first, second, and third time.

**CARRIED**

**MOVED** by Director Desjardins, **SECONDED** by Director Loveday,

c) That CRHD Bylaw No. 407 be adopted.

**CARRIED**

**MOVED** by Director Desjardins, **SECONDED** by Director Loveday,

d) That CRHD provide Island Health a letter of support to designate Esquimalt UPCC a health facility under Section 49 of the Hospital District Act.

**CARRIED**

**8.2.**     [21-605](#)     Victoria Urgent and Primary Care Centre #2 Funding Request

K. Lorette spoke to Item 8.2.

**MOVED** by Director Helps, **SECONDED** by Director Loveday,  
a) That CRHD funding in the amount of \$1,499,592 be approved for the Victoria  
Urgent and Primary Care Centre #2.  
**CARRIED**

**MOVED** by Director Helps, **SECONDED** by Director Loveday,  
b) That CRHD Bylaw No. 408, "Capital Regional Hospital District Capital Bylaw No.  
182, 2021" be introduced and read a first, second, and third time.  
**CARRIED**

**MOVED** by Director Helps, **SECONDED** by Director Loveday,  
c) That CRHD Bylaw No. 408 be adopted.  
**CARRIED**

**8.3.**     [21-606](#)     Lady Minto Hospital Emergency Redevelopment Funding Request

K. Lorette spoke to Item 8.3.

**MOVED** by Director Holman, **SECONDED** by Director Loveday,  
a) That CRHD funding in the amount of \$3,000,000 be approved for the Lady Minto  
Hospital Emergency Redevelopment Project.  
**CARRIED**

**MOVED** by Director Holman, **SECONDED** by Director Loveday,  
b) That CRHD Bylaw No. 409, "Capital Regional Hospital District Capital Bylaw  
No. 183, 2021" be introduced and read a first, second, and third time.  
**CARRIED**

**MOVED** by Director Holman, **SECONDED** by Director Loveday,  
c) That CRHD Bylaw No. 409 be adopted.  
**CARRIED**

**9. BYLAWS**

There were no bylaws for consideration.

**10. NOTICE(S) OF MOTION**

There were no notice(s) of motion.

**11. NEW BUSINESS**

There was no new business.

**12. ADJOURNMENT**

**MOVED** by Director Helps, **SECONDED** by Director Plant,  
That the September 8, 2021 Capital Regional Hospital District Board meeting be  
adjourned at 1:14 pm.  
**CARRIED**

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CHAIR

CERTIFIED CORRECT:

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CORPORATE OFFICER

**REPORT TO HOSPITALS AND HOUSING COMMITTEE  
MEETING OF WEDNESDAY, OCTOBER 06, 2021**

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**SUBJECT     Summit Noise Concerns Update**

**ISSUE SUMMARY**

Noise concerns from surrounding neighborhood at the Summit.

**BACKGROUND**

In August 2020, the Capital Regional District Board began receiving noise complaints for the Summit, located at 955 Hillside Avenue. The Summit is leased to Island Health for 25 years and has been operating since February 1, 2020 and tenanted since July 12, 2020. When the Summit was designed an acoustics consultant was hired to provide reports to align the design of mechanical systems to meet the Victoria Noise Bylaw. The rooftop screens that surround the air handling units, for example, were designed collaboratively between the acoustics consultant, mechanical engineer, and suppliers based on this report. In an effort to address the noise concerns staff have undertaken the following process and steps.

On September 1, 2020 the Capital Regional Hospital District (CRHD) engaged an Acoustical Specialist at RWDI Consulting Engineers (previously Wakefield Acoustics). The engineer is familiar with the 955 Hillside Avenue site, having completed pre-construction noise measurements at three adjacent properties in June 2016. Based on the pre-construction noise measurements, and the City of Victoria Noise Bylaw limits Wakefield/RWDI provided mechanical equipment noise control recommendations in 2018 and 2019.

CRHD testing was completed by RWDI on September 17, 2020. Measurements were conducted at midnight to remove as much traffic noise as possible. RWDI reported that preliminary results confirm that at 50% load, noise levels are below that required by the City of Victoria bylaw. The equipment was operated to produce a continuous noise, this being the most accurate way to establish noise levels. Table 2 from the report shows the results of noise measurements at four locations.

**Table 2: HVAC Noise Measurement Results**

Site	Address	Post-Project Measurements (September 2020)		Pre-Project Measurements (June 2016)	Noise Bylaw Limits (dBA)	
		Nighttime L <sub>90</sub> (dBA)	Tonal noise?	Nighttime L <sub>90</sub> (dBA)	Day	Night
1	920 Hillside Avenue	47	Yes	38	55 <sup>[1]</sup>	50 <sup>[1]</sup>
2	2670 Dowler Place	42	Yes	34	55 <sup>[1]</sup>	50 <sup>[1]</sup>
3	2560 Wark Street	40	No	37	60	50
4	1100 Vista Heights	36	No	[2]	60	50

**Table Notes:**

[1] 5 dBA tonality penalty applied.

[2] Background measurements at Site 4 were not taken back in June 2016.

Table 2 shows that:

- HVAC noise levels are below the Noise Bylaw limits

On September 20, 2020 a City of Victoria Bylaw Enforcement Officer conducted testing at the Summit in response to the noise complaints they received. The results found AHU #9 was 60.4 dba, AHU #10 was 60.9 dba (see Appendix A for dba reading and associated noise) on the roof of the building beside the air handling units. The Bylaw Enforcement Officer concluded the Summit was not in violation of the noise bylaw.

In addition the City of Victoria Bylaw also states:

**Bylaw No. 03-12 (13f) also states the bylaw does not apply to:**

“a sound or noise resulting from the use, in a reasonable manner, of the premises of a Community Care Facility duly licensed under the *Community Care Facility Act*, or from the use of a similar institution”.

Zoning allows for a health facility at this site and the environment can best be described as an urban one with noises from a variety of other sources present in the community as well as other buildings with similar rooftop equipment. It is difficult to isolate the various noises and attribute any specific noise to the Summit with so many other buildings producing noise within the community.

CRHD engaged Trane Canada-West to service and reprogram the variable frequency speed drives to address the tone noted by RWDI at location #2 on October 22, 2020.

On site, they confirmed that sound blankets had been installed around the air handling units during the construction phase and that the units were operating at optimal efficiency and installed as per manufacturer’s recommendations. CHRHD staff directed Trane Canada-West to report back additional recommendations to further decrease the noise being produced.

On January 06, 2021 the CRHD Board approved the purchase and installation of a sound attenuation kit. Unfortunately the manufacturer experienced significant delays due to COVID and the kit was not received and installed until July, 2021.

On August 05, 2021 an additional round of testing was conducted at the three community identified sites and one previously tested site. The testing was conducted at 0% chiller load, 60% chiller load, and full chiller load of 85%-100%. These testing loads align with ambient temperatures at which the neighborhood has indicated they can hear noise.

Address	Nighttime L <sub>90</sub> (dBA)			Chiller Audible (Yes/No)	Noise Bylaw Limits (dBA)	
	Chiller 0% Load	Chiller 60% Load	Chiller Full Load 85-100%		Day	Night
2916 Prior Street	49	49	49	No	60	50
1155 Vista Heights	44	44	44	No	60	50
971 Market Street	46	49	49	Yes	55 [2]	45[2]
920 Hillside Avenue	46	47	48	Yes	60	55

**Table Notes:**

- [1] Measurement not available
- [2] 5 dBA tonality penalty applied.



The findings from the second round of testing indicate that the chillers operating at full capacity or zero do not have any impact or very minimal impact on the decibel results. During the testing tone was also measured and a tonal penalty was applied to the decibel readings when it was present so the above results also take tone into consideration. Additionally the results found that the sound attenuation kit had no impact on reducing the noise being produced by the rooftop equipment. After further consultation with the manufacturer, staff believe the rooftop equipment is operating as quietly and efficiently as possible.

**ALTERNATIVES**

*Alternative 1*

The Hospitals and Housing Committee recommends to the Capital Regional Hospital District Board:

That no further remediation work be undertaken on the rooftop equipment at the Summit.

*Alternative 2*

That this report be referred back to staff for additional information.

**IMPLICATIONS**

*Financial Implications*

To date the following has been spent in an effort to understand and reduce the noise from the rooftop equipment at the Summit.

Year	Cost	Expense
2020	\$ 4,000	RWDI: Site HVAC Measurement Testing
	\$ 1,650	Trane West Speed Drive ReProgramming
2021	\$16,000	Sound Attenuation Kit Purchase
	\$ 4,000	RWDI: Site HVAC Measurement Testing
	\$ 2,000	Trane West: Noise Abatement Consultations
	<b>\$27,650</b>	

**CONCLUSION**

Staff have taken considerable time and resources to evaluate all technical and practical solutions to the noise concerns expressed by the community. This includes staff visiting the community at different times with variable ambient temperatures, the installation of a sound attenuation kit, and consultation with other industry specialists. Trane Canada-West has advised that all noise reduction measures available have been pursued and no further action can reasonably be undertaken to reduce the sound from the rooftop equipment at The Summit. Staff are confident the building has been designed and is performing as efficiently and as quietly as possible. The Summit is located in an urban environment, with many noises that make it difficult to attribute any noise to any particular source. The noise being produced from The Summit is below the City of Victoria noise bylaw and is exempt from this bylaw as a health facility. The rooftop equipment is critical for the proper functioning and quality of life of the facility and those who reside within. Long term care facilities are an essential and vital health service which are a high priority for our region.

**RECOMMENDATION**

The Hospitals and Housing Committee recommends to the Capital Regional Hospital District Board:

That no further remediation work be undertaken on the rooftop equipment at the Summit.

Submitted by:	Michael Barnes, MPP, Senior Manager, Health & Capital Planning Strategies
Concurrence:	Kevin Lorette, P. Eng., MBA, General Manager, Planning & Protective Services
Concurrence:	Robert Lapham, MCIP, RPP, Chief Administrative Officer

**ATTACHMENT**

Appendix A: dba Readings and Associated Noise

dba Reading and Associated Noise:

**85dB** Prolonged exposure to any noise at or above this level can cause hearing loss

**110db** Regular exposure of more than 1 minute risks permanent hearing loss

Eardrum Perforation Possible	<b>160</b>	Pistol shot
	<b>150</b>	Fireworks display
<b>Painful Acoustic Trauma</b>	<b>140</b>	Shotgun blast
<b>Painfully Loud</b>	<b>130</b>	Jet engine 25m away, motor racing
	<b>120</b>	Rock concert, thunder
<b>Extremely Loud</b>	<b>110</b>	Car horn, snowblower, Pneumatic Hammer
	<b>100</b>	Blow dryer, subway, helicopter, chainsaw
<b>PROTECT YOUR EARS</b>	<b>90</b>	Motorcycle, lawn mower, convertible ride on highway
<b>Very Loud</b>	<b>80</b>	Factory, noisy restaurant, vacuum, screaming child
<b>Loud</b>	<b>70</b>	Car, alarm clock, city traffic
	<b>60</b>	Conversation, dishwasher
<b>Moderate</b>	<b>50</b>	Moderate rainfall
<b>Faint</b>	<b>40</b>	Refrigerator
	<b>30</b>	Whisper, library
	<b>20</b>	Watch ticking
	dB levels	