

Joyce, Sasha FIN:EX

From: Mounteney, Renee EDUC:EX
Sent: Tuesday, June 21, 2016 11:53 AM
To: Travelbea, Jennifer EDUC:EX; Keenan, Jason GCPE:EX; Mason, Shanna EDUC:EX
Cc: Walker, Brenda MK EDUC:EX; Nyikes, Michael EDUC:EX; Lowther, Brett GCPE:EX; Sorochan, Craig GCPE:EX; Brooke, Daisy GCPE:EX; Ralph, Kerri GCPE:EX; Rosenberg, Kaitlyn GCPE:EX
Subject: RE: MO Request: Seismic Upgrade Requirements

Jenn,

Sorry for the delay. I was looking for some additional info related specifically to Burnaby SD.

- There are no capacity targets for seismic upgrades.
- The 95% threshold is for large urban districts only, is a districtwide target, and applies only when looking for new schools or expansions. It is NOT a seismic target.
- We have discussions with districts to ensure we are not upgrading schools that may close. That's why we ask districts with declining enrolment to take a hard look and prioritize their seismic upgrades.
- Seismic projects have been supported throughout the SD. Of the 13 schools that need seismic upgrade, 8 have been completed; 2 are underway; 2 are in business case development and one is remaining. These schools have a variety of utilizations as noted below.

Completed seismic projects in SD41:

- 2010 - Capitol Hill Elementary: Capacity Utilization = 69%
- 2010 - Douglas Road Elementary: Capacity Utilization = 102%
- 2010 - Edmonds Community: Capacity Utilization = 62%
- 2010 - Chaffey-Burke Elementary: Capacity Utilization = 99%
- 2010 - Brantford Elementary: Capacity Utilization = 224%
- 2011 - Cariboo Hill Secondary: Capacity Utilization = 57%
- 2011 - Gilmore Community Elementary: Capacity Utilization = 82%
- 2012 - Burnaby Central Secondary: Capacity Utilization = 106%

Underway

- Alpha Secondary School: Capacity Utilization = 95%
- Montecito Elementary: Capacity Utilization = 139%

Options and Business Case Development



OFFICE OF THE
SECRETARY-TREASURER

556 BOLESKINE ROAD, VICTORIA, BRITISH COLUMBIA V8Z 1E8
PHONE (250) 475-4108 FAX (250) 475-4112

TO: The Board of Education
FROM: Mark Walsh, Secretary-Treasurer
DATE: May 16, 2016
RE: **Seismic Program Update**

Background:

The provincial Seismic Program, intended to make schools safer in the event of an earthquake by minimizing the probability of structural collapse, has been conducted in 2 distinct phases:

1. Phase One. Phase one began with district assessments of schools – to determine seismic risk and the scope of upgrading work that would be required as part of this process. This phase of the projects calculated the seismic risk for every school in the province using a standardized rating system,
2. Phase Two. Phase two includes the retrofits and upgrading of the schools that were identified as “High Risk” during Phase One.

Over the past decade, the government has upgraded, replace or committed to address 214 high-risk schools. The remainder, approximately 128 high-risk schools in the province, are still to be addressed and are in various stages of planning to be upgraded. As the program has progressed, the upgrades of the schools have included the seismic elements and have slowly considered essential upgrades to other building components related to life-safety components of the school that could be affected by a seismic event.

Risk Ratings

During Phase One, Engineers calculated the seismic risk ratings based on the risk of damage from an earthquake to a building. This calculation is the foundation for the decisions what schools will be selected for consideration by the province, about how to mitigate risk and then on specific work needed to make specific locations safer.

Table 1 below provides an overview of the risk ratings used for B.C. schools:

Table 1 - B.C. Seismic Rating Definitions

Rating	Definition
High (H1)	1 Most vulnerable structure; at highest risk of widespread damage or structural failure; not repairable after event. Structural and non-structural seismic upgrades required.
High (H2)	2 Vulnerable structure; at high risk of widespread damage or structural failure; likely not repairable after event. Structural and non-structural seismic upgrades required.
High (H3)	3 Isolated failure to building elements such as walls are expected; building likely not repairable after event. Structural and non-structural seismic upgrades required.

Medium (M)	Isolated damage to building elements is expected; non-structural elements (such as bookshelves, lighting) are at risk of failure. Non-structural upgrades required. Building to be upgraded or replaced within the Capital Plan when it has reached the end of its useful life.
Low (L)	Least vulnerable structure. Would experience isolated damage and would probably be repairable after an event. Non-structural upgrades may be required.

The government is only approving projects to structurally upgrade schools that have a “High” risk rating (High 1, High 2 or High 3). The structural upgrade work will also correct any non-structural deficiencies at these high-risk locations. At the District level, 27 schools were identified as being high risk (See Table 2 below). Please note, that the District has only become aware of one section of Campus View being added to this list recently and will need to be added to the Capital Plan. We are confident that the nature of its particular requirements, however, suggest a modest summer project rather than a full move.

Table 2 - SD#61 - High Risk Seismic Schools

School	Ministry Rating Assigned	Status
Shoreline	H1	Supported. PDR complete
Vic High Ph 2	H1	Supported. PDR underway
Cedar Hill	H1	Supported. PIR underway
Craigflower	H1	SPIR underway
Braefoot	H1	SPIR complete
Campus View	H1	SPIR complete
Arbutus	H1	SPIR complete
Reynolds	H2	SPIR underway
Lambrick Park	H1	SPIR complete
Macaulay	H3	SPIR complete
Cloverdale	H1	Construction underway
Monterey		Completed
Margaret Jenkins		Completed
Mount Doug		Completed
Doncaster		Completed (pre 2007)
Willows		Completed
Central		Completed
Vic High Ph 1		Completed
Quadra		Completed

Glanford		Completed (pre 2007)
Gordon Head		Completed (pre 2007)
Lansdowne		Completed
James Bay		Completed
McKenzie		Completed
South Park		Completed (pre 2007)
Tillicum		Completed
Vic West		Completed

Discussion:

At SD #61, we are one of the leaders across the province in getting Seismic Projects approved and completed. Over the past years, we have undertaken various levels of Seismic Upgrades on 16 schools and have an additional 11 schools either being planned, ongoing or yet to be started. To date, the major criteria used by the Province in the selection and approval of the schools to be funded for Seismic Upgrades has been primarily based upon the "Risk Rating" assigned to the school and upon the District's preparedness to implement the project in a timely manner. The timelines have been tight with typical approvals received in the April timeframe and contracting and construction to be completed by the end of the following fiscal year.

This year, the District submitted Shoreline Middle School as our next school to receive a seismic upgrade. The required studies were completed and submitted to the Ministry of Education by our staff and consultants, tender documents for a Construction Manager were prepared, and tendering activity had commenced in anticipation of Ministry approval in April 2016.

On 5 May 2016, the Ministry advised us that the Shoreline Seismic Upgrade Project had not been approved at this time due to concerns over the low utilization at that school (63%) and across the district as a whole (80%). The Ministry indicated that they understood that the district was in the early stages of the long range facilities planning process and that this document would be beneficial as a cornerstone document for the district's seismic upgrade program moving forward. When asked about the Ministry's expected utilization rates for a seismic school to be approved for funding, it was suggested that a 95% utilization rate for the school now and into the future (5 year utilization rate) was a reasonable target for us to look at. Specifically, the Ministry stated:

Thank you for taking my call today to discuss Shoreline Community Middle School. As per our conversation the seismic upgrade project has not been approved at this time due to the concerns over the low utilization at that school (63%) and across the district as a whole (80%).

I understand the district is in the early stages of the long range facilities planning process and I think it would be beneficial for district and ministry staff to meet in the coming weeks to discuss the districts seismic upgrade program and how it relates to your planning.

Thank you for your work, and the work of the team, on this project to date and for your dedication to the students of the Greater Victoria School District.

During conversations, the Ministry also expressed concerns about Vic High's utilization rate. At this point in time, there appears to be a disconnect between the Ministry data on District utilization and what the District has available for each school. The issue of Shoreline not meeting the new target of 95% is not in dispute, but Vic High and the overall Board Utilization are not in agreement. Staff is working with the Ministry now to clarify the source and currency of the data being used by both of us.

However, it is important to note that we do have facilities in the District that currently meet the new requirements as determined by the Ministry.

Facilities staff has prepared a summary of the current District Utilization rates for every school and specifically for those schools in our Seismic Upgrade Program using data taken from the Baragar system, Table 3 below shows that a number of our seismic schools do not meet the new target of 95% utilization now or in the next five years. This will have to be addressed as we move into the District Facilities Strategic Plan process.

Given our intention to being a Facilities Plan, we are confident that we will be able to ensure that Shoreline is upgraded in the near term.

Table 3 - **Current and Projected School Utilization** - May 2016 (Source: Baragar)

School	Operating Capacity	Current Headcount (Enrolment)	Percentage Utilization	5 Year Projected Attendance	Percentage Utilization - 5 Year Projected	Comment
Shoreline	424	250	59%	276	65%	
Vic High	800	775	97%	761	95%	
Campus View	360	458	127%	437	121%	Portables
Braefoot	317	257	81%	289	91%	
Arbutus	499	454	91%	466	93%	
Cedar Hill	575	496	86%	546	95%	
Reynolds	900	1124	125%	1136	126%	Portables
Lambrick Park	725	511	70%	489	67%	
Craigflower	226	113	50%	96	42%	

Recommended Motion

The Board of Education of School District No. 61 (Greater Victoria) direct staff to prepare an interim capital plan for approval by the Board to submit to the Ministry of Education while the long-term facilities plan is created.



OFFICE OF THE
SECRETARY-TREASURER

556 BOLESKINE ROAD, VICTORIA, BRITISH COLUMBIA V8Z 1E8
PHONE (250) 475-4108 FAX (250) 475-4112

TO: The Board of Education and the Shoreline Community
FROM: Mark Walsh, Secretary-Treasurer
DATE: May 13, 2016
RE: **Seismic Update**

Background:

As you are aware, the Ministry of Education has not approved the seismic upgrade proposed for Shoreline Middle slated for the 2016-17 school year.

This memo is intended as background on the decision and future seismic intentions at Shoreline.

Q: Was Shoreline's seismic upgrading cancelled?

A: The Ministry has not cancelled the seismic upgrade. At this time the Ministry has not approved the project moving forward. The Ministry will review the project in future when the District has a long-term facilities plan in place.

Q: Why did the Ministry not approve the project?

A: The Ministry reviewed the utilization numbers of the facility (63% according to the numbers) and felt that without a long-term District facilities plan in place that the utilization rate did not support upgrading at this time.

Q: Does this mean that the school is at risk of closure?

A: No, Shoreline is part of the long-term plans of the District. It is an important part of the Esquimalt Family of Schools and is uniquely placed geographically to serve the local community. Further, given the continued growth of French Immersion in the District we also believe that Shoreline's future utilization rates will rise.

Q: When will we get upgraded?

A: The District is about to start its consultation on its long-term facilities plan. Part of that discussion will include Shoreline and how we will ensure that it will get its seismic upgrade.

Q: Are our children safe?

A: Shoreline does have a seismic safety rating that needs improvement. The District has a number of facilities with a similar rating. We are optimistic that given our track record of seismic upgrading that, working with the Ministry, our upgrade program, including Shoreline, will be complete well in advance of the Ministry's timelines.



October 19, 2016

Ref: 191099

Email:

Dear

Thank you for your email sent October 13, 2016, regarding seismic upgrades for Minnekhada Middle school in School District No. 43 (Coquitlam).

Seismically upgrading schools that have been identified as high-risk is a top priority for the Ministry. The Province has committed funds to reduce seismic life safety risks and works closely with Coquitlam School District staff to ensure available funds are secured and all high-risk schools are improved as expeditiously as possible. To date, the Ministry has spent over \$77 million to upgrade 18 schools in Coquitlam, and there are a further 3 projects, currently under construction, worth \$113 million.

The process of seismically upgrading or replacing a school is very complex and requires thorough analysis of all possibilities to ensure the best option is selected. The typical planning and project development cycle can take several months or longer depending on the complexity of the project. **This project is quite large, and given the low enrolment in the school this has required significant analysis of likely future demand** and what the best size may be over the long term. The Ministry staff and School District staff have an excellent working relationship and are actively engaged in project development and delivery in the Coquitlam School District.

I want to assure you the Ministry is committed to follow through on its commitment to address Minnekhada Middle school and will be advancing this project for funding approval in the near future.

Please feel free to contact me directly if you have any further questions,

Sincerely,

Rachelle Ray, Regional Director
Capital Delivery Branch

pc: Patricia Gartland, Superintendent of Schools, School District No. 43 (Coquitlam)

NEWS RELEASE

For Immediate Release
2013PREM0055-000752
April 8, 2013

Office of the Premier
Ministry of Education

Premier announces \$584 million to keep high-risk schools on solid ground

VANCOUVER – Premier Christy Clark announced more than \$584 million to seismically upgrade 45 high-risk schools today, marking a significant milestone in government's commitment to student safety.

"Absolutely nothing is more important than keeping our kids safe. Today we're two-thirds of the way to meeting our commitment to seismically upgrading all high-risk schools in B.C.," said Premier Clark. **"This investment means parents sending their kids to 45 more high-risk schools know they will be able to withstand a major earthquake."**

The School Seismic Mitigation Program is an ongoing program to address all high-risk school buildings. With these 45 new projects, a total of 213 schools have either been completed, are under construction, are proceeding to construction, or have been supported through the program. That leaves 102 high-priority schools to be addressed.

"It's a significant challenge to upgrade each and every high-risk school throughout British Columbia, but the progress we've made so far is fantastic," said Education Minister Don McRae. "Leading experts in this area continue to seek information on our work, our research on seismic safety, and we take great pride in knowing our innovations are being used to keep kids safe both here and across North America."

First launched in 2004, the School Seismic Mitigation Program is backed by leading B.C. engineers and geoscientists who designed new guidelines for seismic safety in schools based on the latest research from major earthquakes around the globe. In 2010, these experts used these guidelines and new assessment tools to conduct a comprehensive reassessment leading to a more accurate picture of seismic safety risks in B.C. schools.

Quick Facts:

- The 45 projects announced today will create an estimated 3,700 direct construction jobs across the province over the life of the projects.
- Including today's announcement, since 2001 government has spent or committed \$2.2 billion to seismically upgrade or replace 213 high-risk schools. It is anticipated it will cost a further \$600 million to address the remaining 102 high-risk schools in the province.

- There are 37 school districts located in high seismic zones throughout the province.
- The \$584 million will be distributed over a three-year spending envelope; individual projects within this envelope will receive final approval to proceed to design and construction after the school district confirms the scope, schedule, budget and risks for the project.
- The estimated funding over the three years is:
 - 2013-14 – 10 new seismic projects at \$111.8 million
 - 2014-15 – 14 new seismic projects at \$177 million
 - 2015-16 – 21 new seismic projects at \$295.4 million
- The seismic retrofit guidelines developed by B.C.-based experts have been reviewed by international experts in California and at the Federal Emergency Management Agency (FEMA), earning the Canadian Society of Engineers Excellence in Innovation in Civil Engineering Award in 2010. The guidelines have helped shape FEMA's own regional guidelines and policies.
- Including the School Seismic Mitigation Program, since 2001 government has committed more than \$4 billion to school capital and maintenance projects throughout B.C.
- During this time, the government has spent more than \$2.4 billion to complete 96 new and replacement schools, 131 seismic projects, 151 additions, 27 renovations and 25 site acquisitions across B.C.
- All new and replacement schools have been constructed to meet the latest seismic standards.

Learn More:

The Ministry of Education's School Seismic Mitigation Program:

<http://www.bced.gov.bc.ca/capitalplanning/seismic/>

Association of Professional Engineers and Geoscientists of BC: <http://www.apeg.bc.ca/>

A backgrounder follows.

Media Contacts:	Ben Chin Office of the Premier 250 588-3113	Government Communications and Public Engagement Ministry of Education 250 356-5963
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BACKGROUNDER

For Immediate Release
2013PREM0055-000752
April 8, 2013

Office of the Premier
Ministry of Education

List of 45 schools receiving upgrades

2013-14

James Gilmore Elementary	SD 38 - Richmond
Killarney Secondary	SD 39 - Vancouver
David Thompson Secondary	SD 39 - Vancouver
Montecito Elementary	SD 41 - Burnaby
Windsor Secondary	SD 44 - North Vancouver
Henderson Elementary	SD 47 - Powell River
George Jay Elementary	SD 61 - Greater Victoria
Cordova Bay Elementary	SD 63 - Saanich
South Wellington Elementary	SD 68 - Nanaimo-Ladysmith
École Phoenix Middle	SD 72 - Campbell River

2014-15

Yale Secondary	SD 34 - Abbotsford
Langley Secondary	SD 35 - Langley
Delta Secondary	SD 37 - Delta
Maple Grove Elementary	SD 39 - Vancouver
Lord Tennyson Elementary	SD 39 - Vancouver
Dr. Annie B. Jamieson Elementary	SD 39 - Vancouver
Richard McBride Elementary	SD 40 - New Westminster
Burnaby North Secondary	SD 41 - Burnaby
Minnekhada Middle	SD 43 - Coquitlam
Tillicum Elementary	SD 61 - Greater Victoria
Shoreline Community Middle	SD 61 - Greater Victoria
Dunsmuir Middle	SD 62 - Sooke
Parkland Secondary	SD 63 - Saanich
École Cote Du Soleil (Powell River)	SD 93 - Conseil Scolaire Francophone

2015-16

Abbotsford Traditional Secondary	SD 34 - Abbotsford
Eric Hamber Secondary	SD 39 - Vancouver
Point Grey Secondary	SD 39 - Vancouver
Renfrew Community Elementary	SD 39 - Vancouver
Sir Alexander MacKenzie Elementary	SD 39 - Vancouver
Waverley Elementary	SD 39 - Vancouver
Edith Cavell Elementary	SD 39 - Vancouver

Prince of Wales Secondary	SD 39 - Vancouver
Templeton Secondary	SD 39 - Vancouver
General Wolfe Elementary	SD 39 - Vancouver
David Lloyd George Elementary	SD 39 - Vancouver
Bayview Community Elementary	SD 39 - Vancouver
F.W. Howay Elementary	SD 40 - New Westminister
Stride Avenue Elementary	SD 41 - Burnaby
Montgomery Middle	SD 43 - Coquitlam
Irvine Elementary	SD 43 - Coquitlam
Handsworth Secondary	SD 44 - North Vancouver
Cloverdale Elementary	SD 61 - Greater Victoria
Cedar Hill Junior Secondary	SD 61 - Greater Victoria
Ruth King Elementary	SD 62 - Sooke
Lochside Elementary	SD 63 - Saanich

Media Contacts:

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King, Jessica FIN:EX

From: Bernier, Mike EDUC:EX
Sent: Sunday, June 26, 2016 10:08 AM
To: Keenan, Jason GCPE:EX
Subject: Re: Correction

Thanks. Shows that some media obviously have given up on facts and prefer the drama.

Mike

On Jun 26, 2016, at 10:04 AM, Keenan, Jason GCPE:EX <Jason.Keenan@gov.bc.ca> wrote:

Just an FYI

If Mike doesn't do a correction I'd suggest we send our own clarification letter in - short - but pointing out he'd ignored information we have provided.

Jason

Jason A Keenan
Communications Director
Ministry of Education
Government Communications and Public Engagement
Office: 250-356-8713 Mobile: 778-679-5546

From: Keenan, Jason GCPE:EX
Sent: Sunday, June 26, 2016 9:59 AM
To: 'Michael Smyth (msmyth@theprovince.com)'; Michael Smyth (nightlinebc@hotmail.com)
Subject: Correction

Hi Mike

Just saw the column. There's a couple of things wrong - can you get a correction in tomorrow's paper and in the online version?

The school board is required by law to balance its budget, and the government wants boards to push for 95-per-cent school occupancy before approving expensive seismic upgrades to keep students safe in earthquakes.

This is what I sent you - 95% is a districtwide target – and claims that it has to be met before a dollar of funding flows or that a school has to be at that level for seismic upgrades -- is plain wrong. I also sent the list of the \$170 million worth of seismic projects under way in Vancouver today that show this is wrong.

You also said the ministry doesn't count adult ed classrooms -- and I told you they would qualify -- the district just needs to bring them forward.

Can you let me know

Thanks

Jason A Keenan
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