

Information package for the Mobile Central High School system related to the planned extension March 8, 2017



Background

Mobile Central High School system consists of Mobile Central High School (MCHS, Grades 7-12) in Mobile and St. Bernard's Elementary (Kindergarten to Grade 6). The Government of Newfoundland and Labrador announced in Budget 2016 an extension for MCHS. The Newfoundland and Labrador English School District (NLESD) is currently experiencing enrolment pressures at St. Bernard's Elementary and future enrolment pressures are projected at MCHS.

Enrolment Projections and Room Requirements

NLESD considered two sources for enrolment projections. One source is Baragar Systems, a custom planning software system for use by school districts across Canada. The other is from the Newfoundland and Labrador Statistics Agency (NL Stats) of the Department of Finance for the Government of Newfoundland and Labrador. NL Stats provide a low, medium, and high projection. The high projection as a worst case is utilized here.

Room requirements are calculated on the basis of maximum class caps. For example, the class cap in primary grades is 25 students. So if there were 50 students projected in Grade 2, this means the room requirement would be listed as 2 rooms (assuming 25 students in each class). However, if there were 51 students projected for the next year in Grade 3, the room requirement would be listed as three (3) rooms (assuming 17 students in each class).

St. Bernard's Elementary

Assuming its current K-6 configuration, the enrolment projections for St. Bernard's Elementary are shown in Figure 1 (Baragar) and Figure 2 (NL Stats High) below:

Year	к	1	2	3	4	5	6	Total	Rooma					Pr	ojectio	n				
2016	50	51	57	43	64	50	50	365	17	500 450									_	_
2017	57	50	50	58	44	66	52	377	17	400 250	-	-	-	-						
2018	61	62	50	51	59	45	69	397	19	300										
2019	59	63	60	51	52	61	47	393	18	250 200										
2020	60	61	61	61	52	53	63	411	19	150										
2021	60	61	59	62	63	54	56	415	19	50										
2022	62	61	59	60	63	64	55	424	20		2016	2017 20	18 2	019 20	20 2021	2022	2022	2024	202	5 2026
2023	63	63	59	60	61	65	67	438	21											
2024	65	65	61	60	61	63	68	443	21											
2025	67	66	63	62	62	63	65	448	20											
2026	69	69	65	64	64	63	65	459	21											

Figure 1: St. Bernard's Elementary enrolment projections (Baragar)

Vea	r K	1	2	3	4	5	6	Total	Rooma	
201	6 45	48	57	46	63	52	48	359	17	
201	7 61		-	59	47	64	53	381	18	
201	63	63	49	52	60	49	66	402	19	
201	57	65	65	51	53	62	50	403	18	
202	64	59	67	67	52	55	63	427	20	
202	L 60	66	61	69	69	54	56	435	19	
202	60	62	68	63	71	70	55	449	20	
202	60	62	64	70	65	72	71	464	21	
202	60	62	64	66	72	66	73	463	21	
202	5 60	62	64	66	67	73	67	459	21	
202	5 60	62	64	66	67	68	74	461	21	

Figure 2: St. Bernard's Elementary enrolment projections (NL Stats High) Both projection models show an increasing enrolment trend. Figure 3 below illustrates a comparison of enrolment trends. The NL Stats High projection indicates a requirement for more rooms earlier than the Baragar model. In any case, the existing 17 rooms available (14 regular classrooms and 3 modular classrooms) would be insufficient in the near term. It is anticipated that the school could manage for the 2017-2018 school year, but thereafter require an alternative solution.

St. Ber	mard's Elementary (NL Stats))
	ent of Finance (2017) high scenario projections show increase nt to a high of 464 in 2023	in
 Maxin 	num room requirement of 21 in 2023 and thereafter	
	Projection	¥
	0 2016 2017 2018 2019 2020 2021 2022 2023 2034 2028 2026 	

Figure 3: St. Bernard's Elementary Comparison of Enrolment Projections (Baragar and NL Stats High)

Reconfiguring to a K-5 school after 2018 would allow St. Bernard's Elementary to accommodate enrolment to 2021 (based on Baragar projections) or 2022 (Based on NL Stats High projections). It should be noted however, that several enrolment numbers at particular grade levels are on the class-cap edge requiring an additional room. If projections are even slightly lower than projected the room requirement drops. If this were to occur, the K-5 configuration may be able to accommodate beyond 2021 or 2022. It should also be noted that even a K-5 school will still have concerns regarding special education (instructional resource teacher) rooms. As well, there is a need for at least one additional washroom.

If however, the room requirement is in fact exceeded by 2021 or 2022, contingency plans would have to be developed that may include such measures as team teaching where room capacity allowed, utilizing the library or music room as a classroom, or an additional extension which would require time for planning and construction.

The enrolment projections for St. Bernard's Elementary reconfigured as a K-5 school are shown in Figure 4 (Baragar) and Figure 5 (NL Stats High) below:

Year	к	1	2	3	4	5	6	Total	Rooma					Projecti	ion			
2016	50	51	57	43	64	50	50	365	17	450 400								
2017	57	50	50	58	44	66	52	377	17	250	-	~	-	-				
2018	61	62	50	51	59	45		328	16	200 250								
2019	59	63	60	51	52	61		346	16	200								- 1
2020	60	61	61	61	52	53		348	16	150								
2021	60	61	59	62	63	54		359	17	50								- 1
2022	62	61	59	60	63	64		369	18		2016	2017 201	8 2019	2020 202	1 2022 2	022 2024	2025 203	15
2023	63	63	59	60	61	65		371	18									
2024	65	65	61	60	61	63		375	18									
2025	67	66	63	62	62	63		383	18									
2026	69	69	65	64	64	63		394	18									

Figure 4: St. Bernard's Elementary K-5 enrolment projections (Baragar)

Ves	r S	к	1	2	3	4	5	6	Total	Rooma						Proj	ectio	n					
201	6	45	48	57	46	63	52	48	359	17	450 400		_				_	_					
201	7	61	47	50	59	47	64	53	381	18	250	-	-	-	-	-	-						
201	8	63	63	49	52	60	49		336	16	200												
201	9	57	65	65	51	53	62		353	16	200												
202	0 8	64	59	67	67	52	55		364	17	150												
202	1	60	66	61	69	69	54		379	17	50												
2:02	2	60	62	68	63	71	70		394	18													3
202	3	60	62	64	70	65	72		393	18		2016	2017 3	2019	2019	2020	2021	2022	2023	2024	2025	2028	
2:02	4	60	62	64	66	72	66		390	18													
202	5	60	62	64	66	67	73		392	18													
202	6	60	62	64	66	67	68		387	18													

Figure 5: St. Bernard's Elementary K-5 enrolment projections (NL Stats High)

Mobile Central High School

Assuming its current Grade 7-12 configuration, the enrolment projections for Mobile Central High School are shown in Figure 6 (Baragar) and Figure 7 (NL Stats High) below:

Year	7	8		Level 1	Level	Level 10	Total	7-9 Rooma	Ja Nigh NR (mb)	Projection
2016	49	41	34	40	43	47	254	6	6	400
2017	46	50	42	35	40	43	256	6	6	200
2018	50	47	51	43	35	40	266	6	6	250
2019	65	52	48	52	43	35	295	7	6	200
2020	41	67	53	49	52	43	305	7	6	100
2021	61	43	68	54	49	52	327	7	6	50
2022	53	63	44	69	54	49	332	7	7	2016 2017 2019 2019 2020 2021 2022 2023 2024 2025 2026
2023	53	55	64	45	69	54	340	7	7	
2024	64	54	56	65	45	69	353	7	7	
2025	65	66	55	57	65	45	353	8	7	
2026	62	67	67	56	57	65	374	8	7	

Figure 6: Mobile Central High 7-12 enrolment projections (Baragar)

Year	7	8	9	Level I	Level II	Level III	Level IV	Total	7-9 Rooma	Sr. High HR (cat.)
16	50	41	33	40	43	46		253	6	6
17	49	51	42	34	41	44	2	263	6	6
2018	55	51	53	43	35	42	2	281	6	6
2019	67	56	52	54	44	36	2	311	7	6
2020	51	68	57	53	55	45	1	330	7	6
2021	64	53	70	58	54	56	2	357	8	6
2022	57	66	54	71	59	55	2	364	7	7
2023	56	59	67	55	72	60	2	371	7	7
2024	72	58	60	68	56	73	2	389	7	8
2025	74	74	59	61	69	57	3	397	8	8
2026	68	76	75	60	62	70	2	413	0	8

Figure 7: Mobile Central High 7-12 enrolment projections (NL Stats High) Mobile Central High School currently has 14 classrooms (11 regular classrooms and a music room, an art room, and a science lab).

Both projection models show an increasing enrolment trend and therefore associated growing room requirement. Figure 8 below illustrates a comparison of enrolment trends. Projections show a requirement beyond the existing 14 rooms by 2024 utilizing NL Stats High and by 2025 utilizing Baragar projections.

Mobi	le Central High (NL Stats)	*
	tment of Finance (2017) high scenario projections show increase nent to a high of 413 in 2026	in
K	Projection 400 200 200 200 200 200 200 200 200 200	¥
Ł	50 0 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 —— NL Saturi High —— Baragar High	

Figure 8: Mobile Central High Comparison of Enrolment Projections (Baragar and NL Stats High)

NLESD was advised by the Department of Education and Early Childhood Development (EECD) that the extension project to Mobile Central High School was to be nine (9) regular classrooms and one (1) computer room. The exact configuration will ultimately be considered by the consultant hired by EECD to develop the physical specifications for the expansion project.

The enrolment projections for Mobile Central High School reconfigured as a 6-12 school are shown in Figure 9 (Baragar) and Figure 10 (NL Stats High) below:

Year	6	7	8		Level 3	Level 10	Level III	Total	6-9 Rooma	3n.High HE(sal.)	0
2016		49	41	34	40	43	47	254	6	6	450
2017		46	50	42	35	40	43	256	6	6	400 250
2018	69	50	47	51	43	35	40	335	9	6	200
2019	47	65	52	48	52	43	35	342	9	6	200
2020	63	41	67	53	49	52	43	368	10	6	150
2021	56	61	43	68	54	49	52	383	9	6	50
2022	55	53	63	44	69	54	49	387	9	7	2016 2017 2018 2019 2020 2021 2022 2028 2024 2025 2026
2023	67	53	55	64	45	69	54	407	10	7	
2024	68	64	54	56	65	45	69	421	10	(Z.)	
2025	65	65	66	55	57	65	45	418	11	7	
2026	65	62	67	67	56	57	65	439	11	7	

Figure 9: Mobile Central High 6-12 enrolment projections (Baragar)

Year	6	7	8	9	Level I	Level II	Level III	Level IV	Total	6-9 Rooma	Sr. High HR (ast.)
2016		50	41	33	40	43	46		253	6	6
2017		49	51	42	34	41	44	2	263	6	6
2018	66	55	51	53	43	35	42	2	347	9	6
2019	50	67	56	52	54	44	36	2	361		6
2020	63	51	68	57	53	55	45	1	393	10	6
2021	56	64	53	70	58	54	56	2	413	10	6
2022	55	57	66	54	71	59	55	2	419		7
2023	71	56	59	67	55	72	60	2	442	10	7
2024	73	72	58	60	68	56	73	2	462	10	8
2025	67	74	74	59	61	69	57	3	464	11	8
2026	74	68	76	75	60	62	70	2	487	12	8

Figure 10: Mobile Central High 6-12 enrolment projections (NL Stats High)

The addition of Grade 6 from St. Bernard's Elementary increases the room requirement at MCHS by three (3) rooms. Again, please note that the room requirement calculations are based

on maximum class caps. The projected enrolment increases in Grades 7-9 out to 2026 increases the room requirement by a further three (3) rooms. Finally, there is a projected increase in the room requirement for the senior high population to two (2) more additional rooms for a total of eight (8) additional rooms. Therefore, based on enrolment projections, a nine (9) classroom extension would suffice for a Grade 6-12 configuration of MCHS out to 2026.

There are some concerns which the NLESD has identified to the consultant for the extension project as follows:

- 1. A traffic study is required to deal with the increased traffic and the requirement for increased parking.
- 2. The adequacy of the existing septic field will need to be addressed.
- 3. Construction must occur without interfering with the normal functioning of the school.

The NLESD in tandem with the school administration will also need to consider the supervision of younger students in the building, access to the cafeteria and other common areas.

Conclusion

In summary, the NLESD is planning for the announced extension to Mobile Central High School. The District is aware of the enrolment pressures at St. Bernard's Elementary. Given the additional available space after the extension, the District is considering the realignment of Grade 6 from St. Bernard's Elementary to Mobile Central High School resulting in a Kindergarten to Grade 5 school and a Grade 6-12 school once sufficient space is available at Mobile through the completion of an expansion, which is anticipated to be for the 2018-2019 school year. Based on projections, this will alleviate enrolment pressures at St. Bernard's Elementary out to the year 2021 or 2022.

NLESD would like to thank School Board Zone 17 Trustee, Jennifer Aspell, the combined school councils and the staff of the Mobile Central High School system, for your candour, interest, and passion for the education of yours and our students.

Please take the time to complete the feedback form to better inform the District regarding the plan for the utilization of the extension for Mobile Central High School.