



Chinook's Edge School Division Capital Plan 2019-2022

Ranking	Project ID	Project	Key Drivers	
				<i>In 1999, Alberta Infrastructure audited all schools for condition and awarded them a score to assist them in prioritizing condition.</i>
# 1	1219	Carstairs Elementary School Addition	Demographics Economic Growth	250 student classroom addition and expansion of existing gym for Carstairs Elementary School. An expansion of the parking lot and bus loop will also be needed to address the increase in student population.
#2	13506	Olds New Elementary School	Demographics Economic Growth	New 400 student capacity K-5 Elementary School is needed to address enrollment pressures in the Town of Olds.
# 3	13151	École HJ Cody School Modernization	Demographics, Program Changes, Economic Growth	With the growth in Sylvan Lake, pressure is expected at the high school level. École HJ Cody wasn't originally designed as a high school (K-12) and modernization is required to support Inspiring Education. The modernization would accommodate projected growth increases and required program offerings. This school is now fed by three elementary schools into one middle school into the high school.
# 4	13700	Penhold Middle School	Health and Safety Program Growth	New 600 capacity replacement school is requested to replace the current Penhold Elementary School..
# 5	13505	Carstairs New Elementary School	Demographics Economic Growth	New 500 capacity grades Pre K - 4 school. <i>The original request was for a 350 capacity grade 3-5 school.</i>

Additional background information on each of the requests and long term planning for those communities is presented below.

Town of Carstairs – Carstairs Elementary Expansion and New Schools

The Town of Carstairs has experienced major growth over the past several years. The community has consistently seen over 50 residential building permits each year for the past 5 years. The population of Carstairs has increased by 18.4% to 4077 based on 2016 census data as compared to 2011 census data.

Chinook’s Edge School Division has two schools in the Town of Carstairs. Carstairs Elementary with a K-2 school configuration and Hugh Sutherland School with a 3-12 grade configuration. Carstairs Elementary was opened as a K-4 school. However, to increase utilization rates in the Town of Carstairs and to accommodate the space needed for the grade levels at Carstairs Elementary, the school was reconfigured to a K-2 school. In September of 2013 the grade 4 students were relocated to Hugh Sutherland School and in September of 2015 the grade 3 students were relocated to Hugh Sutherland School. Chinook’s Edge School Division has used IMR funds to repurpose space at Hugh Sutherland to accommodate the increasing student enrollment at Hugh Sutherland. Chinook’s Edge School Division believes we have reached the point where additional space is needed immediately to address the lack of instructional space and the high utilization rates in the Town of Carstairs.

10 year enrollment numbers are provided below along with utilization rates for the community over the 10 year period.

Grade	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25
K	101	90	97	95	96	97	98	99	100	101	102
1	91	96	95	88	97	98	99	100	101	102	103
2	81	86	105	98	90	99	100	101	102	103	104
3	68	77	87	111	100	92	101	102	103	104	105
4	70	63	81	93	113	102	94	103	104	105	106
5	50	69	69	88	95	115	104	96	105	106	107
6	69	49	73	71	89	97	116	106	98	107	108
7	65	69	47	78	73	90	98	117	107	99	108
8	57	66	70	52	79	74	91	99	118	108	100
9	52	55	66	66	53	80	75	92	100	119	109
10	45	52	58	64	67	54	81	76	93	101	120
11	51	48	49	58	65	68	55	82	77	94	102
12	47	47	51	53	59	66	69	56	83	78	95
K-12 Total FTE	847	867	948	967.5	1028	1083.5	1132	1179.5	1241	1276.5	1318
K-12 Adjusted Enrollment				1056	1118	1174	1222	1270	1331	1367	1408
Utilization Rate Adjusted Enrollment	83%	85%	92%	96%	102%	107%	111%	115%	121%	124%	128%

Immediate Need – Phase 1

CESD is in immediate need of additional classroom space for Carstairs Elementary. An addition of 10 classrooms spaces and an expansion / addition to the Carstairs Elementary gym are needed to address the immediate utilization concerns in the Town of Carstairs. CESD recognizes the importance of this immediate need and have place it as the number one priority on the 2019/2022 Capital Plan. Based on current conservative growth plans illustrated in the chart above this would lower the utilization rate in the Town of Carstairs to 104% in 2024/2025. This would allow the grade configurations to change to K-4 at Carstairs Elementary and 5-12 at Hugh Sutherland School.



Phase 2

As the chart indicates above, the projected conservative growth rate will still see the unitization rate in Carstairs at 104% by 2024/2025. A new 500 capacity school will be needed in Carstairs prior to the 2024/2025 school year. The long term plan is to have this as a second K-4 school. However, if the numbers are needed Carstairs Elementary and the new school could become K-6 schools to reduce the utilization pressures at Hugh Sutherland School. CESD currently has this listed as #5 on the 2018/2021 Capital Plan.

Phase 3

With the continued growth in the Town of Carstairs an additional 500 capacity new high school will be needed. The current Hugh Sutherland School would transition to a 5-8 middle school and the new high school would have a grade 9-12 configuration. Based on current projections, CESD believes the need for the new high school will be on or before the 2027/2028 school year. This is not yet listed on the CESD Capital Plan but will become an increasing priority over the next several years.



Town of Olds – New 400 Student Capacity K-5 Elementary School

The Town of Olds continues to see steady population growth. The population has increased by 11.5% to 9184 since the 2011 Census. With the continued growth, CESD is in need of additional classroom space at the elementary school level. The current and project enrollment and utilization rates are provided as support for this request. However, it should be noted that recent announcements regarding new industry and the creation of over 1600 new jobs will lead to a sudden and large increase in student enrollment in the Town of Olds. We expect to see this large increase in enrollment starting the 2018-2019 school year.

Ecole Olds Elementary School

Year	Pre-K	K	1	2	3	4	Total	Utilization Rate
15-16	35	80	101	128	106	92	537	94%
16-17	37	113	88	109	128	107	559	98%
17-18	32	103	117	90	108	127	562	99%
18-19	35	105	110	124	97	115	568	100%
19-20	40	110	112	117	131	104	591	104%
20-21	40	113	112	114	119	133	607	107%
21-22	40	116	115	114	116	121	596	105%
22-23	40	119	118	117	116	118	601	106%
23-24	40	122	121	120	119	118	611	108%
24-25	40	125	124	123	122	121	625	110%



Ecole Deer Meadow School

Year	Grade 5	Grade 6	Grade 7	Grade 8	Total Adj	Utilization Rate
16-17	104	105	112	120	465	88%
17-18	102	110	115	115	466	88%
18-19	134	109	117	122	506	95%
19-20	117	139	111	122	513	97%
20-21	106	119	141	113	503	95%
21-22	135	108	121	143	531	100%
22-23	123	137	110	123	517	98%
23-24	120	125	139	112	520	98%
24-25	120	122	127	141	534	101%



Ecole Olds High School

Year	Grade 9	Grade 10	Grade 11	Grade 12	Total Adj	Utilization Rate
16-17	139	128	134	141	564	93%
17-18	143	135	135	133	568	94%
18-19	122	150	142	143	579	96%
19-20	127	124	152	144	569	94%
20-21	124	129	126	154	555	92%
21-22	115	126	131	128	522	86%
22-23	145	117	128	133	545	90%
23-24	125	147	119	130	543	90%
24-25	114	127	149	121	533	88%



Town Of Sylvan Lake – École H.J. Cody Modernization

The Town of Sylvan Lake is one of the fastest growing towns in Alberta. Over the past number of years grade configurations changes, relocatable additions to C.P. Blakely and a new K-6 school have been

needed to address the growth in Sylvan Lake. École H.J. Cody School is the only high school in the Town of Sylvan Lake and is in need of a complete modernization. Minor renovations occurred in 1997 but the original building was constructed in 1957. CESD recognizes the need for a complete modernization of École H.J. Cody school to bring the only high school in a town of over 15,000 people to a level appropriate for high school education in Alberta today. The enrollment projections below are based on the current enrollment of the feeder schools for École H.J. Cody School.

Year	9	10	11	12	Total	Utilization Rate
15-16	170	174	170	172	686	87%
16-17	155	160	162	174	651	83%
17-18	171	145	149	148	668	77%
18-19	173	172	146	150	687	79%
19-20	202	175	174	148	745	86%
20-21	140	204	177	176	697	85%
21-22	192	142	206	179	765	88%
22-23	169	194	144	208	761	87%
23-24	195	171	196	146	754	87%
24-25	189	197	173	198	803	92%



Through the lens of student learning, why is modernization needed at École H.J. Cody?

- The lack of facility at the school, in specific areas, is impeding the educational quality of our students. With having nearly 100 students in a Phys Ed block, there cannot be adequate space to design learning and lessons. Further, when the climate of Sylvan Lake has undesirable conditions outside for several months of the year, there is not a reasonable ability to have physical education. outside for many months.

- Modernization would allow for the creating and building of space that reflects the needs of our students. A further gym, workout area, classroom and break out space, all would contribute to a better environment.
- There are few spaces for students to work independently or in small groups, and with our high school redesign plans to increase student responsibility and ownership, it is impossible to do so without spaces that support this philosophy... for example, it would make sense to re-structure the spaces in the learning commons.
- Larger class sizes could be better accommodated with larger functional classroom spaces.
- More whiteboard space for student to be able to brainstorm in groups and better present findings
- Alternative lighting through light fixtures with multiple settings or more adjustable screens/window coverings - can adjust brightness for students when needed - often extremes of too much blinding artificial light or darkness.
- Added flexible learning areas.
- Many classrooms and hallways were originally designed for elementary sizes and are too crowded for 30 plus to learn. Additional space must be considered for our growing population.
- In times of extreme heat or cold, the building does not compensate to the appropriate temperature. As a result, learning is affected.
- There are no breakout spaces or variety of spaces to enhance student learning.

Through the lens of the physical building, why is modernization needed at École H.J. Cody?

- This building has been built in phases over 60 years. These phases have not been considerate of the expanding population of Sylvan Lake or the unique functionality of a high school population.
- Without an adequate shop, lab space, gym space, wellness areas or classroom space to accommodate the growing class sizes we are facing each day.
- In order to remain competitive and a positive part of the ever expanding community, we need to move towards learning areas that allow for further creativity.
- We need to create spaces that are sufficient to serve the needs of a growing community in the decades to come.
- Thin wooden walls between rooms makes sound travel very easily.
- Larger hallways for better movement throughout school, especially if crowded during an emergency.
- Lack of sufficient washroom facilities for staff.
- Temperature control in gymnasium is non-existent, as well as in some classrooms.
- Electrical system is insufficient for demand of projectors operating, lab equipment in use, chromebook carts charging, etc. (breakers have blown).
- Storage spaces in the school (drama, janitors, stairwell, phys.ed., shop, etc.) are make-shift and potentially unsanitary and dysfunctional.
- Classrooms do not match students' size (because this school began as a k-12 school, many elementary size rooms are now being used for high school students).
- Not sufficient science lab space given number of students that access these courses.
- There are blocks in the day where 100 students are in the gym for phys. ed class. That number of students is far too many for the current space.
- Bigger Lockers so that kids can easily keep all of their books and learning items at school.
- The school has one hallway, there are no alternative routes to get to the other side of the school. For example, to get to the drama room from home ec, the only choice is up the senior hallway, through the common area and up the junior hallway.

- The band room is very small. The ceiling is below a standard consideration. The space cannot hold the whole band comfortably. Storage is very limited and underdeveloped.
- A larger cafeteria style eating area is needed.

Town of Penhold – New Middle School - Penhold Elementary Replacement School

The Town of Penhold has experienced major growth over the past several years. The community has consistently seen a high number of residential building permits each year for the past 5 years. The population of Penhold has increased by 32% to 3277 based on 2016 census data as compared to 2011 census data.

Chinook’s Edge School Division currently has three schools within the Town of Penhold: Jessie Duncan School (K-2), Penhold Elementary School (3-5) and Penhold Crossing Secondary School (6-12). Over the past couple of years Chinook’s Edge School Division has reconfigured the grade levels in the schools to fully utilize the capacity of the schools within the Town of Penhold. This has seen grade configurations changes at Jessie Duncan from a K-3 to a K-1, Penhold Elementary from a 4-9 to a 2-5 and Penhold Crossing to a 6-12. These changes were made to avoid the need to apply for relocatable classrooms and additional capital projects within the Town of Penhold. However, with the continued growth in the Town of Penhold, CESD was awarded 4 relocatables for the 2017-2018 school year which now has the school grade configurations as Jessie Duncan K-2, Penhold Elementary 3-5 and Penhold Crossing 6-12. The current utilization rates are as follows: Jessie Duncan 95%, Penhold Elementary 94% and Penhold Crossing 109%. The total utilization rate for the three schools in the community is 100%.

Enrollment Data

Enrollment Data Based on Current Community Capacity Based on Adjusted Enrollments

Year	Pre-K	K	1	2	3	4	5	6	7	8	9	10	11	12	Total Adj	Utilization %
15-16	20	64	71	56	68	68	58	40	69	48	50	34	35	23	704	101%
16-17	21	83	65	73	59	74	70	62	41	70	52	43	27	32	772	109%
17-18	19	77	73	65	69	57	71	69	57	40	53	45	36	28	787	100%
18-19	20	78	79	75	67	71	59	73	70	58	41	54	46	37	813	104%
19-20	20	79	80	81	77	69	73	61	74	71	59	42	55	47	915	116%

Capacity Data with 4 Relocatable Classrooms that were recently approved and Jessie Duncan becomes K-3, Penhold Elementary becomes 4-6 and Penhold Crossing becomes 7-12 - Based on adjusted enrollment numbers.

Jessie Duncan	15-16	16-17	17-18	18-19	19-20
Pre K	20	21	19	20	20
K	64	83	77	78	79
Grade 1	71	65	73	79	80
Grade 2			65	75	81
Grade 3				67	77
Utilize %	90%	103%	95%	91%	96%

Penhold Elementary	15-16	16-17	17-18	18-19	19-20
Grade 2	56	73			
Grade 3	68	59	69		
Grade 4	68	74	57	70	69
Grade 5	58	70	71	59	72
Grade 6				73	61
Utilize %	121%	134%	93.5%	96%	96%

Penhold Crossing	15-16	16-17	17-18	18-19	19-20
Grade 6	40	62	69		
Grade 7	69	41	57	70	74
Grade 8	48	70	40	58	71
Grade 9	50	52	53	41	59
Grade 10	34	43	45	54	42
Grade 11	35	27	36	46	55
Grade 12	23	32	28	37	47
Utilize %	99%	108%	110%	103%	116%

- With the addition of the requested 4 relocatable classrooms CESD projects the Penhold Community would be at 103% utilization rate in 2019-2020 as a result of 37 grade 12 students leaving the school and 74 grade 7 students entering the school.

New Replacement School for Penhold Elementary

As the population in the Town of Penhold continues to grow and the utilization continues to increase. There will be a need for additional classroom space. There is no room for adding additional classroom spaces to the existing three schools. Penhold Elementary School is in need of a complete renovation. Penhold Elementary School was constructed in 1961 and only has the capacity for 230 students. CESD has listed a 600 student capacity replacement school for Penhold Elementary as # 4 on the 2018-2021 Capital Plan. Once the replacement school is constructed the existing Penhold Elementary would be demolished or sold. The replacement school would increase the capacity of the schools by 370 students

which would address the utilization needs and the need to renovate the existing Penhold Elementary building. The replacement school would become a grades 4 -8 Middle School that would address the increasing enrollment pressures at both the current Penhold Elementary School and Penhold Crossing Secondary School.

