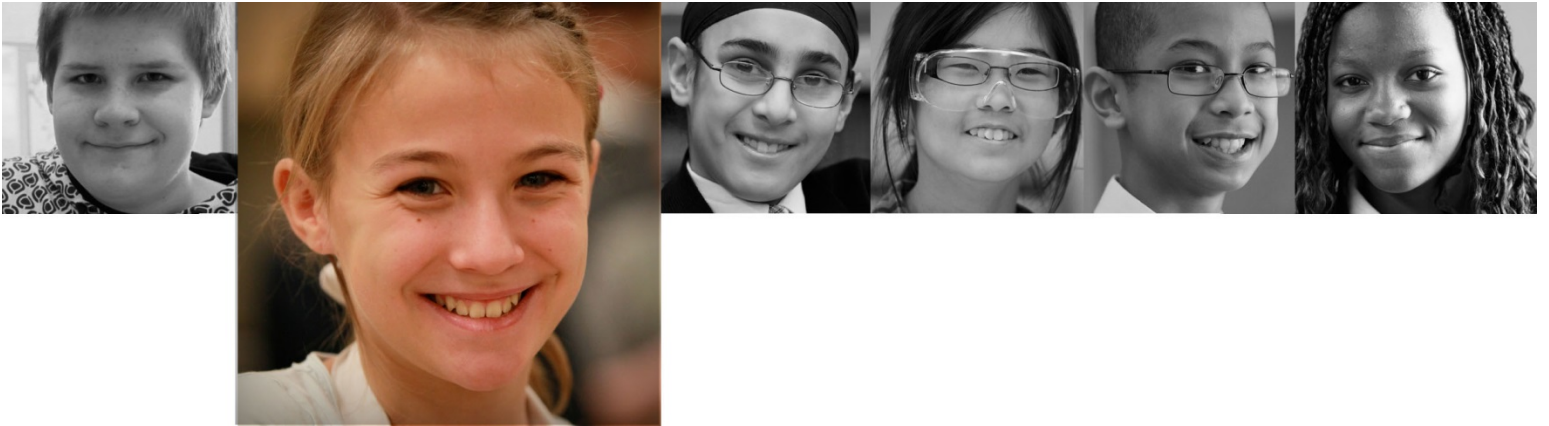


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# Three-Year School Capital Plan



**2019 – 2022**



**Calgary Board  
of Education**

**Presented March 6, 2018  
Approved March 13, 2018**



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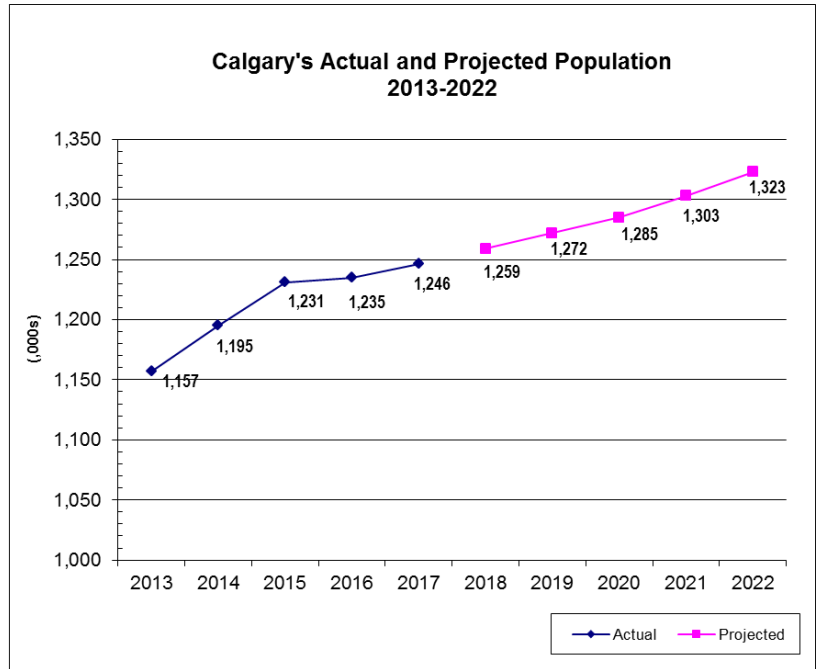
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## EXECUTIVE SUMMARY

This Three-Year School Capital Plan 2019-2022 is an analysis of the Calgary Board of Education (CBE's) forecasted school capital needs, as assessed at the present time.

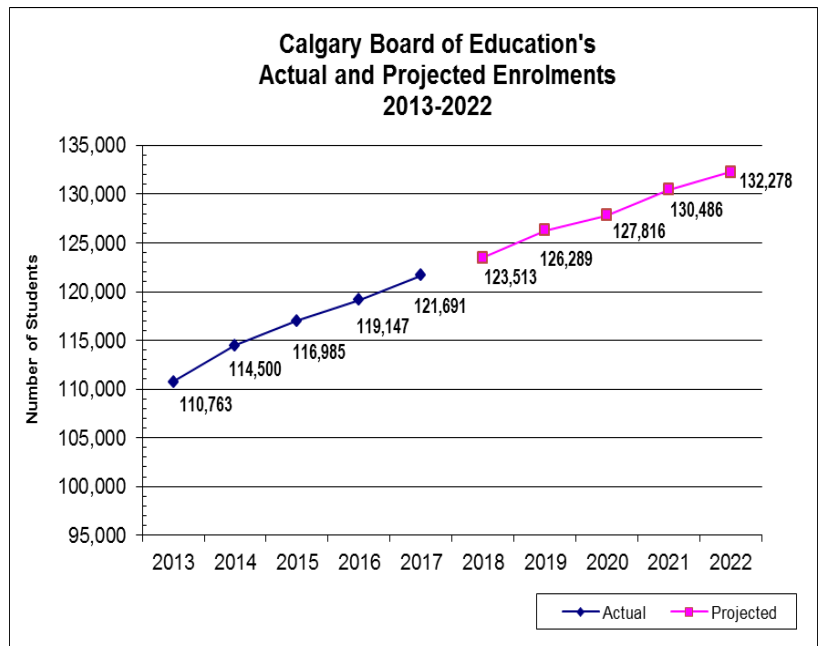
### 1. Calgary Population

Over the past five years Calgary's population growth has averaged just over 25,000 persons per year. In the *Calgary & Region Economic Outlook 2017-2026 (Fall 2017)*, the City of Calgary (the City) is forecasting that the population of Calgary will reach 1,323,000 in 2022, an increase of 76,700 persons over the next five years. This five-year forecast represents a decreased rate of growth, with an average annual increase of 15,340 persons.



### 2. Student Enrolment

The CBE's current student enrolment of 121,691 is forecast to increase to 132,278 students by 2022. Taking into consideration the past five year average enrolment increase of just over 2,000 students per year and the City's forecasted lower annual population growth, CBE is projecting a moderate level of growth over the next five years.

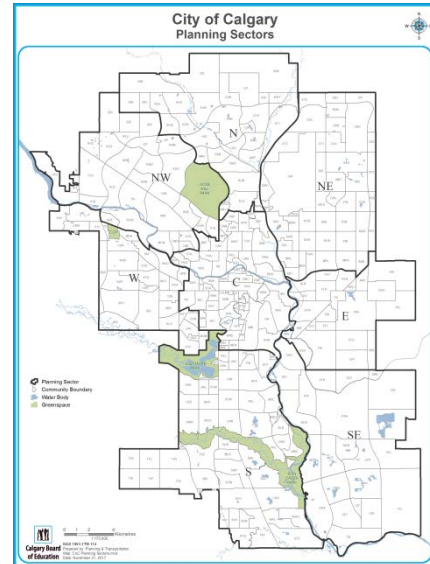


Note: Enrolment includes Home Education, Outreach/Unique Settings, Chinook Learning and CBeLearn.

### 3. Calgary Suburban Growth and Development

In spring 2017, CBE added two new administrative areas and changed the methodology for grouping schools into areas. The new area structure is based on relationships between schools rather than geography. A geographical reporting and analysis of data is required to understand where population and student enrolment growth will occur in the future. Starting with the *School Capital Plan 2019-2022* CBE will use City of Calgary planning sectors for capital planning purposes. The table and map below show the City planning sectors and their projected population growth in the next few years.

City Growth Trends by CBE Planning Sector 2018-2022	
Planning Sector	Population Forecast
Centre	17,000
East	600
North	15,400
Northeast	13,920
Northwest	-
South	11,810
Southeast	16,700
West	2,620



### 4. Three-Year Education Plan

Alberta Education requires school boards to maintain three-year plans, updated annually. School boards are responsible for carrying out their education plans; for reporting annually to parents, communities, and government on results and use of their resources; and, for using results information to update plans and improve education for students. The Board of Trustees approved the combined Annual Education Results Report 2016-2017 and the Three-Year Education Plan 2017-2020 on November 28, 2017.

### 5. Schools Under Construction and Approvals

Four new school construction projects and three high school major modernization projects are currently under development.

The table below summarizes the projects under development, their approval dates and their projected opening/completion date.

Schools Under Construction and Approvals					
Projected School Year Opening	School/Community	Project Type	Grade	Approved Capacity	Approval Date
2018-2019	Joane Cardinal-Schubert High	New Construction	Grades 10-12	1,800	Oct. 8, 2014
	James Fowler High	Modernization	Grades 10-12	n/a	Oct. 8, 2014
	Lord Beaverbrook High	Modernization	Grades 10-12	n/a	Oct. 8, 2014
TBD	Coventry Hills/Country Hills Village Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Mar. 21, 2017
	Cranston Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Mar. 21, 2017
	Evergreen Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Mar. 21, 2017
	Forest Lawn High	Modernization	Grades 10-12	n/a	Mar. 21, 2017
Total School Space Capacity				3,600	

## 6. Capital Priorities – New School Construction

There are 12 new school construction projects identified in the Three-Year School Capital Plan 2019-2022.

Table 1: New School Construction					
Three-Year School Capital Plan 2019-2022 Priorities					
Priority Ranking – Project Description					
<b>YEAR 1</b>					
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)	Number of Years Previously Listed in Capital Plan
C-1 Mahogany Elementary	K-4	New Request	Full buildout to 600	14,678,500	4
C-2 Auburn Bay Middle	5-9	New Request	Full buildout to 900	27,860,000	4
C-3 <sup>1</sup> North Calgary High	10-12	New Request	Full buildout to 1800	59,128,000	5
C-4 Auburn Bay Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	14,678,500	0
C-5 Skyview Ranch Elementary/Middle	K-9	New Request	Full buildout to 900	27,860,000	5
				<b>YEAR 1 TOTAL</b>	<b>144,205,000</b>
<b>YEAR 2</b>					
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)	Number of Years Previously Listed in Capital Plan
C-6 Evanston Middle	5-9	New Request	Full buildout to 900	27,860,000	5
C-7 Evanston Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	14,678,500	0
C-8 Sage Hill Elementary	K-4	New Request	Full buildout to 600	14,678,500	4
C-9 Kincora Elementary	K-4	New Request	Full buildout to 600	14,678,500	6
				<b>YEAR 2 TOTAL</b>	<b>71,895,500</b>
<b>YEAR 3</b>					
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)	Number of Years Previously Listed in Capital Plan
C-10 Sherwood/Nolan Hill Middle	5-9	New Request	Full buildout to 900	27,860,000	2
C-11 Nolan Hill Elementary	K-4	New Request	Full buildout to 600	14,678,500	1
C-12 Cougar Ridge Elementary	K-4	New Request	Full buildout to 600	14,678,500	5
				<b>YEAR 3 TOTAL</b>	<b>57,217,000</b>
				<b>GRAND TOTAL</b>	<b>273,317,500</b>

Note: <sup>1</sup> Senior high schools are not ranked using point criteria.  
<sup>(2)</sup> = second elementary school for the community

## 7. Capital Priorities – Major Modernization Projects

There are 10 major modernization projects identified in the Three-Year School Capital Plan 2019-2022.

Table 2: School Major Modernizations					Number of Years Previously Listed in Capital Plan
Three-Year School Capital Plan 2019-2022 Priorities					
Priority Ranking – Project Description					
<b>YEAR 1</b>					
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)	
M-1 John G. Diefenbaker High School	10-12	Modernization Request	Major Modernization	27,000,000	9
M-2 Nickle School	5-9	Modernization Request	Major Modernization	14,000,000	10
M-3 Ernest Morrow School	6-9	Modernization Request	Major Modernization	16,000,000	4
			<b>YEAR 1 TOTAL</b>	<b>57,000,000</b>	
<b>YEAR 2</b>					
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)	
M-4 A.E. Cross School	7-9	Modernization Request	Major Modernization	18,000,000	1
M-5 Janet Johnstone School	K-4	Modernization Request	Major Modernization	8,700,000	3
M-6 Annie Foote School	K-6	Modernization Request	Major Modernization	10,400,000	3
			<b>YEAR 2 TOTAL</b>	<b>37,100,000</b>	
<b>YEAR 3</b>					
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)	
M-7 Cedarbrae School	K-6	Modernization Request	Major Modernization	7,800,000	3
M-8 Altadore School	K-6	Modernization Request	Major Modernization	7,800,000	10
M-9 Ranchlands School	K-6	Modernization Request	Major Modernization	11,700,000	3
M-10 Queen Elizabeth School	K-6	Modernization Request	Major Modernization	8,700,000	3
			<b>YEAR 3 TOTAL</b>	<b>36,000,000</b>	
			<b>GRAND TOTAL</b>	<b>130,100,000</b>	



## 8. Capital Priorities – New Construction & Major Modernizations

There are 22 new construction and major modernization projects identified in the Three-Year School Capital Plan 2019-2022.

Table 3: New School Construction and Major Modernizations						Number of Years Previously Listed in Capital Plan
Three-Year School Capital Plan 2019-2022 Priorities						
Priority Ranking – Project Description						
<b>YEAR 1</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
1 Mahogany Elementary	K-4	New Request	Full buildout to 600	14,678,500		4
2 Auburn Bay Middle	5-9	New Request	Full buildout to 900	27,860,000		4
3 <sup>1</sup> North Calgary High	10-12	New Request	Full buildout to 1800	59,128,000		5
4 Auburn Bay Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	14,678,500		0
5 Skyview Ranch Elementary/Middle	K-9	New Request	Full buildout to 900	27,860,000		5
6 John G. Diefenbaker High School	10-12	Modernization Request	Major Modernization	27,000,000		9
7 Nickle School	5-9	Modernization Request	Major Modernization	14,000,000		10
8 Ernest Morrow School	6-9	Modernization Request	Major Modernization	16,000,000		4
				<b>YEAR 1 TOTAL</b>	<b>201,205,000</b>	
<b>YEAR 2</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
9 Evanston Middle	5-9	New Request	Full buildout to 900	27,860,000		5
10 Evanston Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	14,678,500		0
11 A.E. Cross School	7-9	Modernization Request	Major Modernization	18,000,000		1
12 Sage Hill Elementary	K-4	New Request	Full buildout to 600	14,678,500		4
13 Janet Johnstone School	K-4	Modernization Request	Major Modernization	8,700,000		3
14 Kincora Elementary	K-4	New Request	Full buildout to 600	14,678,500		6
15 Annie Foote School	K-6	Modernization Request	Major Modernization	10,400,000		3
				<b>YEAR 2 TOTAL</b>	<b>108,995,500</b>	
<b>YEAR 3</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
16 Sherwood/Nolan Hill Middle	5-9	New Request	Full buildout to 900	27,860,000		2
17 Cedarbrae School	K-6	Modernization Request	Major Modernization	7,800,000		3
18 Altadore School	K-6	Modernization Request	Major Modernization	7,800,000		10
19 Nolan Hill Elementary	K-4	New Request	Full buildout to 600	14,678,500		1
20 Cougar Ridge Elementary	K-4	New Request	Full buildout to 600	14,678,500		5
21 Ranchlands School	K-6	Modernization Request	Major Modernization	11,700,000		3
22 Queen Elizabeth School	K-6	Modernization Request	Major Modernization	8,700,000		3
				<b>YEAR 3 TOTAL</b>	<b>93,217,000</b>	
				<b>GRAND TOTAL</b>	<b>403,417,500</b>	

Note: <sup>1</sup> Senior high schools are not ranked using point criteria.

<sup>(2)</sup> = second elementary school for the community

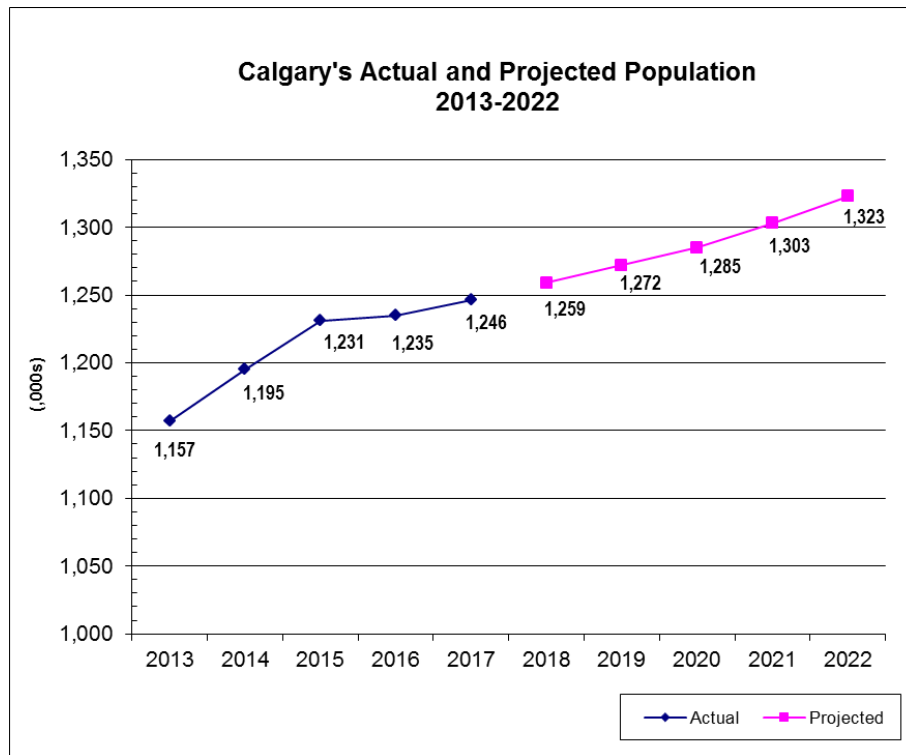
## 1.0 INTRODUCTION

The Calgary Board of Education (CBE) is a global leader in public education. Recognized as the largest school district in Western Canada, the CBE provides a full range of educational services for all instructional programs from kindergarten through to Grade 12. The CBE addresses the complexity and diversity of our 121,691 students (including Adult Education) in over 245 schools with more than 14,000 staff and an operating budget of \$1.4 billion.

Over the past decade, Calgary has experienced varying levels of population growth. Calgary's population has increased by 126,075 people in the last five years, an average of 25,215 people per year.

The population grew from 1,235,171 in April 2016 to 1,246,337 in April 2017 (2017 Civic Census), an increase of 11,166 (0.90%). The population growth consisted of a natural increase of 10,192 people with a net migration of 974 people (2017 Civic Census).

The City of Calgary's report, *Calgary and Region Economic Outlook 2017-2026 (Fall 2017)*, identifies continued growth for Calgary. The City forecast contained in the report projects the population of Calgary will reach 1,323,000 by 2022, an increase of 76,700 people from the 2017 total of 1,246,300. This population forecast averages 15,340 people per year during this period and is similar to the previous five-year forecast.



Calgary Total Population (,000s)									
Actual					Projected				
2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1,157	1,195	1,231	1,235	1,246	1,259	1,272	1,285	1,303	1,323

Calgary & Region Economic Outlook 2017-2026 (Fall 2017)

## 1.1 CBE Student Enrolment

Total enrolment of 121,691 students was reported on September 30, 2017, and consists of 116,846 pre-kindergarten to Grade 12 students plus 4,845 students enrolled in Home Education, Outreach Programs, Unique Settings, Chinook Learning and CBe-learn.

Enrolment increased by 2,544 students from September 30, 2016, to September 30, 2017, with notable increases in Grades 4-6 (1,468 students), Grades 7-9 (975 students) and Grades 10-12 (592 students).

Students continue to access program choices offered by the CBE. Enrolment in alternative programs is 24,888 which is an increase of 730 over the previous year. The alternative programs with the highest enrolment are French Immersion (8,686), Traditional Learning Centre (TLC) (6,588) and Spanish Bilingual (3,619).

The following table provides a summary of enrolments including Unique Settings, Outreach Programs, Chinook Learning, and CBe-learn from September 30, 2013, to September 30, 2017.

Five-Year History of Enrolments by Division 2013-2017					
	2013	2014	2015	2016	2017
Pre-Kindergarten	145	176	180	197	228
Kindergarten	8,936	9,213	9,209	9,106	9,053
Grades 1-3	25,959	27,649	28,888	29,410	29,080
Grades 4-6	22,552	23,604	24,441	25,715	27,183
Grades 7-9	21,751	22,237	22,624	23,292	24,267
Grades 10-12	26,270	26,420	26,375	26,443	27,035
<b>Sub-Total (pre-k to grade 12)</b>	<b>105,613</b>	<b>109,299</b>	<b>111,717</b>	<b>114,163</b>	<b>116,846</b>
Home Education	297	248	270	249	267
Outreach and Unique Settings	1,772	1,971	2,060	2,066	2,141
Chinook Learning Services	2,515	2,393	2,327	2,211	1,974
CBe-learn	566	589	611	458	463
<b>Sub-Total</b>	<b>5,150</b>	<b>5,201</b>	<b>5,268</b>	<b>4,984</b>	<b>4,845</b>
<b>Total</b>	<b>110,763</b>	<b>114,500</b>	<b>116,985</b>	<b>119,147</b>	<b>121,691</b>

### Five-Year Enrolment Projections

The CBE uses the Cohort-Survival methodology in preparing enrolment projections. The cohort survival projection methodology uses historic birth data and historic student enrolment data to “age” a known population (cohort) through their school grades. The cohort survival ratio is calculated to see how a group of potential students first enter the system at kindergarten and Grade 1 (market share) and how this group of students grows or shrinks over time (retention rates). Enrolment patterns emerge that are used for projections.

The CBE uses pre-school census information, which is collected annually for all communities, combined with historic intake rates at kindergarten and Grade 1 to project how many students will enter our system each year. The annual September 30 enrolment data is used as a base for establishing retention rates that are used to project how existing student populations move through the system from one year to the next.

City of Calgary population projections are not a direct factor in CBE's enrolment projections but they do provide context for comparison. Trends reported by the City with respect to net migration and natural increase (births minus deaths) are considered when evaluating future student growth.

CBE's current enrolment of 121,691 students is forecast to increase to 132,278 students by 2022. An increase of 10,587 students is projected averaging approximately 2,100 additional students annually. Taking into consideration the past five year average enrolment increase of just over 2,000 students per year and the City's forecasted lower annual population growth, CBE is projecting a moderate level of growth over the next five years. The largest increase over this five-year timeframe is projected to be in Grades 7-9 and Grades 10-12.

Chinook Learning and CBe-learn register students continually throughout the year. The enrolment reported for both Chinook Learning and CBe-learn represent students who are only enrolled in either of those two programs and not accessing programming at another CBE school. Students enrolled in other CBE schools, that are accessing one or more courses at either Chinook Learning or CBe-learn, are reported in the pre-kindergarten to Grade 12 enrolment. The enrolment reported for Chinook Learning includes students enrolled in academic success programs (high school classes) and does not include students in Adult English Language Learning (ELL) or Continuing Education (personal and professional development).

For September 2018, CBE is implementing a new accommodation plan for Chinook Learning. As part of the model going forward Chinook Learning academic success programs (high school classes) will be transitioned into James Fowler High School and Lord Beaverbrook High School. To accommodate the smaller footprint of these facilities, student age will be limited to those who are 19 years of age by September 1 in the year they enrol in classes. This change is projected to reduce enrolment for 2018 by approximately 550 students compared to September 30, 2017 enrolment.

A summary of the September 2017 actual student enrolments and September 2018-2022 projected enrolments are below:

Five-Year Enrolment Projections 2018-2022						
	Actual 2017	Projected				
		2018	2019	2020	2021	2022
Pre-Kindergarten	228	245	245	245	245	245
Kindergarten	9,053	8,608	8,678	7,692	8,384	8,384
Grades 1-3	29,080	28,984	28,716	28,752	28,458	28,207
Grades 4-6	27,183	28,220	28,655	28,338	28,239	27,977
Grades 7-9	24,267	25,295	26,738	28,263	29,344	29,803
Grades 10-12	27,035	27,804	28,846	30,053	31,306	33,091
<b>Sub-Total (pre-k to grade 12)</b>	<b>116,846</b>	<b>119,155</b>	<b>121,878</b>	<b>123,342</b>	<b>125,976</b>	<b>127,707</b>
Home Education	267	273	279	285	288	295
Outreach and Unique Settings	2,141	2,191	2,234	2,286	2,314	2,362
CBe-learn	463	468	473	478	484	489
Chinook Learning	1,974	1,425	1,425	1,425	1,425	1,425
<b>Sub-Total</b>	<b>4,845</b>	<b>4,358</b>	<b>4,411</b>	<b>4,474</b>	<b>4,510</b>	<b>4,571</b>
<b>Total Student Count</b>	<b>121,691</b>	<b>123,513</b>	<b>126,289</b>	<b>127,816</b>	<b>130,486</b>	<b>132,278</b>

*totals may not add due to rounding*

- CBe-learn and Chinook Learning accept registrations on an on-going basis.
- All projections are subject to annual review and update.
- Projections use September 30, 2017, enrolments as a base.

## 1.2 Calgary Suburban Growth and Development

The City of Calgary supports an actively competitive land market in all areas of the city and there over 25 new and developing municipal communities in various stages of development. The large number of concurrently developing communities puts increased pressure on the CBE to meet the expectations of parents for school construction in their community. Although the number of communities has declined slightly over the last decade, the size of the communities being planned and built today are much larger than they have been historically.

### Forecasted Suburban Growth

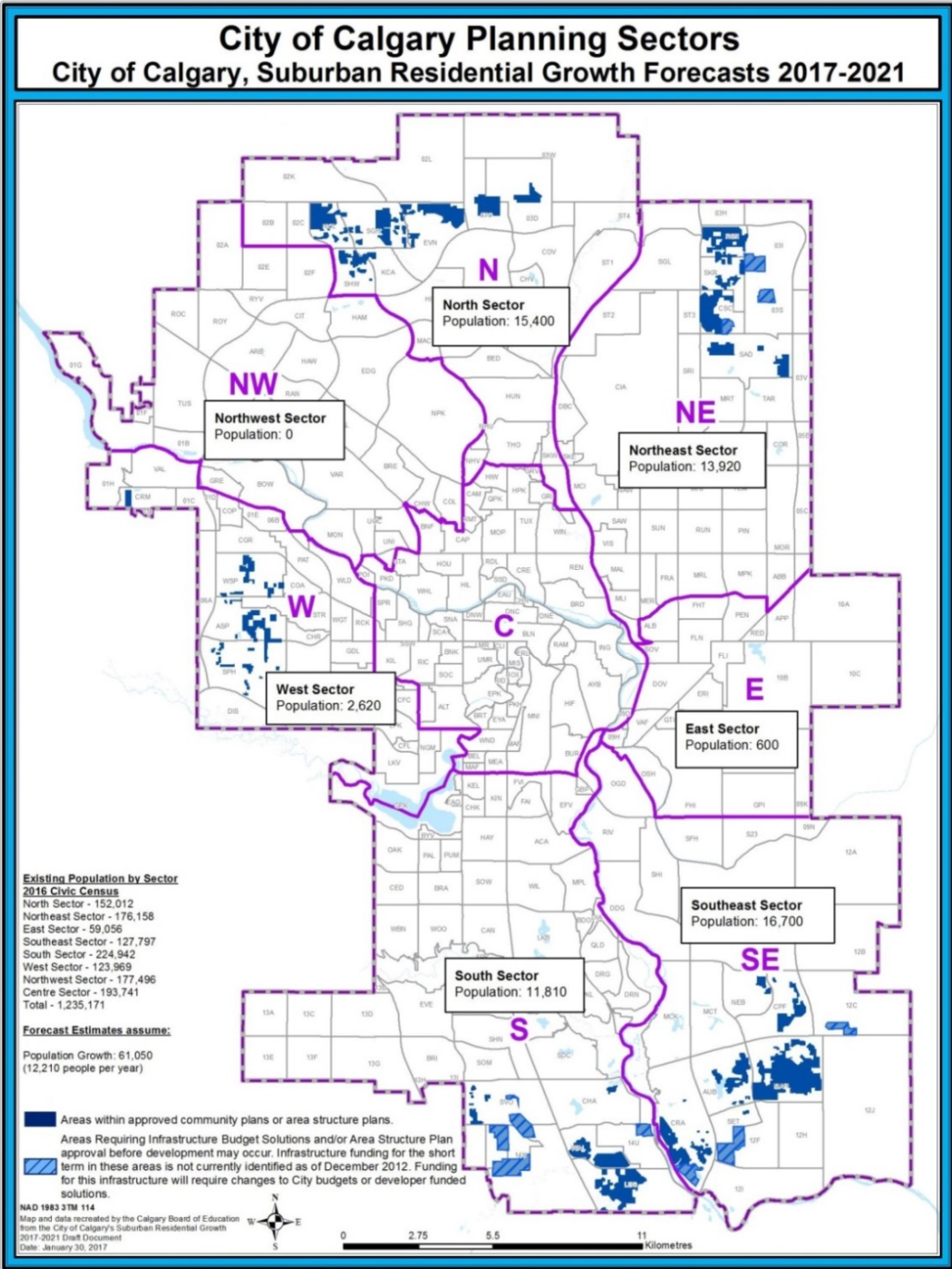
The City of Calgary prepares a suburban residential growth forecast each year and publishes the final version of this report in May each year. As such, the suburban growth information used in the *Three-Year School Capital Plan 2019-2022* is based on the City's *Suburban Residential Growth 2017-2021* published in May 2017. This document allocates future population growth to the eight city planning sectors. This information provides CBE with a context for where student population growth will be expected in the future.

The top ten developing communities to receive residential building permit applications in Calgary for 2016 were:

- Mahogany (SE)
- Cornerstone (NE)
- Saddle Ridge (NE)
- Skyview Ranch (NE)
- Auburn Bay (SE)
- Nolan Hill (N)
- Legacy (S)
- Walden (S)
- Evanston (N)
- West Springs (W)

*(Source: Suburban Residential Growth 2017-2021, p. A2-6, A2-7)*

The largest population growth projected over the next five years is in the north, northeast and southeast. A summary of the five-year period forecast from the Suburban Residential Growth 2017-2021 for suburban locations is as follows:



### 1.3 Framework for Growth and Change

The new Municipal Development Plan (MDP), *Plan It Calgary*, was implemented April 1, 2010, and is the overarching policy that documents municipal development and transportation. *Plan It Calgary* intends to reduce the amount of growth allocated to the developing communities, which is essentially 100% and to intensify the inner-city and established areas with additional population. The 30-year target of the plan for growth into established areas is 33% and the 60-year target is 50% growth to established areas.

The CBE has identified concerns over the past decade, in annual school capital plans, regarding the large number of concurrently developing communities. The City supports an actively competitive land market in all areas of the city and there are over 25 new and developing municipal communities in various stages of development. The large number of developing communities puts increased pressure on the CBE to meet the expectations of parents for new school construction in their community.

Four largest growing communities between 2016 and 2017:

- Auburn Bay (SE) - 1,087 people
- Evanston (N) - 1,621 people
- Legacy (S) - 1,560 people
- Nolan Hill (N) - 1,556 people

Additional communities that grew by more than 1,000 residents between 2016 and 2017:

- Skyview Ranch (NE)
- Mahogany (SE)
- The Bellline (C)
- Redstone (NE)

(Source: 2017 Civic Census)

### 1.4 City of Calgary Annexation

#### Previously Annexed Lands

The majority of the 36,000 acres annexed to the City of Calgary, from the MD of Foothills in 2005 and MD of Rocky View in 2007, remain outside of the CBE's jurisdictional boundary.

The Minister of Education has identified it is in the best interest of the students to retain the existing school boundaries until urban development warrants change.

The Minister has indicated that annexed lands would be brought into the CBE inventory as area structure plans are finalized and urban development proceeds.

The Calgary City Council has approved regional context studies to guide development in the newly annexed lands:

- **East Regional Context Study** (April 2009) with an eventual population of 160,000 persons and approximately 22,000 jobs upon full build-out.
- **West Regional Context Study** (April 2010) with an eventual population of 22,000 people and 7,000 jobs upon full build-out.
- **North Regional Context Study** (June 2010) with an eventual population of 216,000 persons and approximately 69,000 jobs on full build-out.

A map on page 9 identifies these locations.

Detailed Area Structure Plans (ASP) have been, or are being, undertaken to guide future planning in the annexed lands. The CBE participated in meetings, discussions and plan preparation, to enable long-term school planning in following areas:

- The **West View Area Structure Plan** will accommodate a population of approximately 8,300 persons. The ASP has been on hold since December 2010 while the Province conducts a functional study to determine the access location to the West View area.
- The **Keystone Hills Area Structure Plan** was approved July 16, 2012 and will accommodate a population of approximately 60,000 persons.
- The **Belvedere Area Structure Plan** on the east was approved April 8, 2013 and will accommodate a future population of approximately 61,000 persons.
- The **South Shepard Area Structure Plan** was approved May 6, 2013 and will accommodate a population of approximately 28,000 persons.
- The **West Macleod Area Structure Plan** was approved June 10, 2014 and will accommodate a population of approximately 34,000 persons.
- The **Haskayne Area Structure Plan** was approved July 22, 2015 and will accommodate a population of approximately 13,000 persons.
- The **Glacier Ridge Area Structure Plan** was approved December 7, 2015 and will accommodate a population of approximately 58,000 persons.

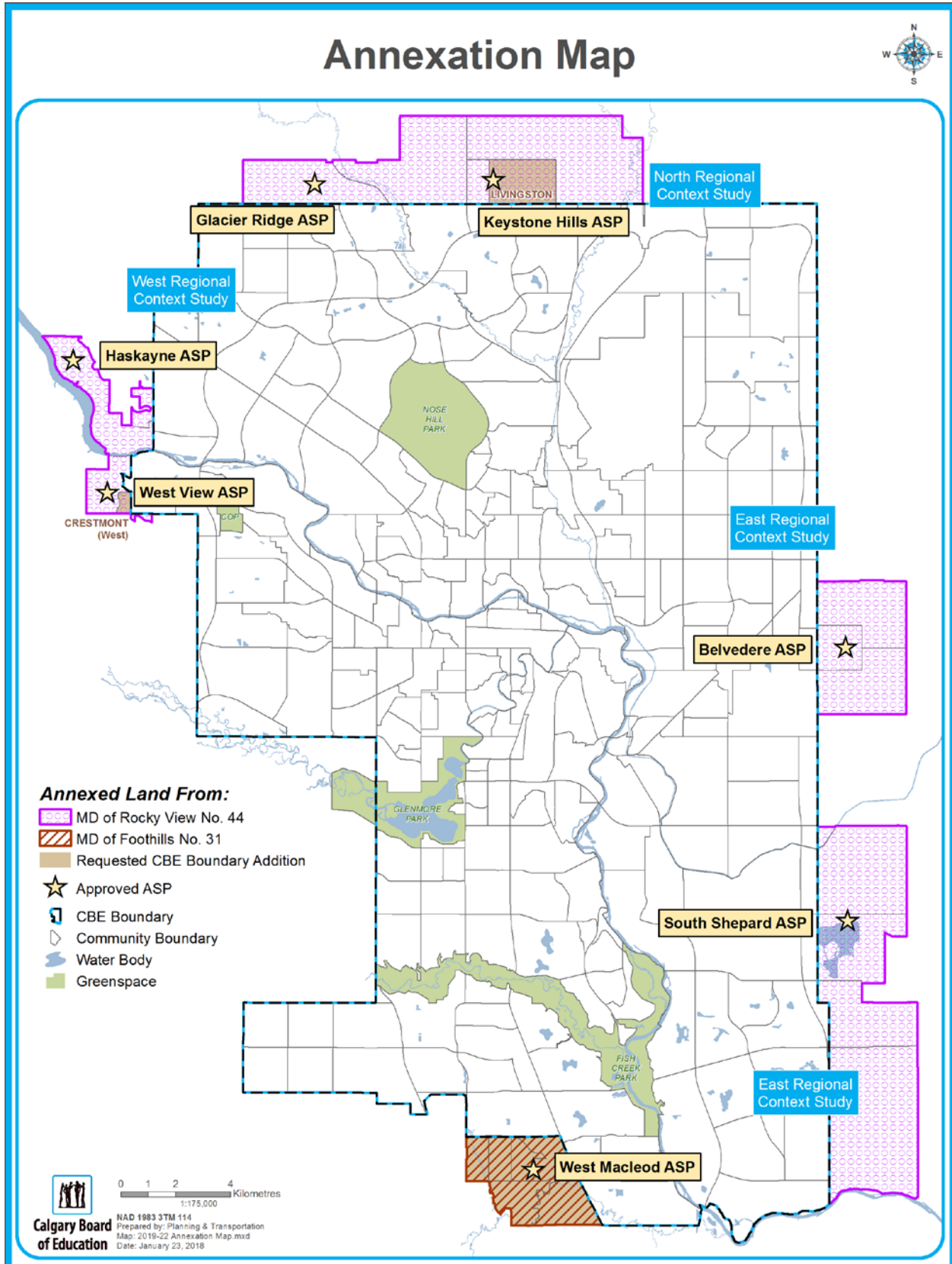
Once house construction begins, CBE will request, on an as required basis, that the Minister include these lands as part of CBE school boundaries.

In alignment with the request by the Ministry of Education that urban development be occurring, in February 2018 the CBE requested that the west section of the Crestmont community and the northern portion of the Livingston community (north of 144 Avenue NE), that are outside the CBE boundary be incorporated into the CBE boundary.

In addition, the CBE anticipates requesting the addition of Belmont and Yorkville (in the West McLeod ASP) during the 2018-2019 school year as developers have indicated home possessions are anticipated to start in January 2019.



Map 1



## 2.0 CAPITAL STRATEGIES

### 2.1 Calgary Board of Education

CBE has identified the following drivers for capital planning:

- Program Delivery – Projects that are required to enable the delivery of school programs e.g. Career and Technology Studies (CTS) and Career and Technology Framework (CTF).
- Community Schools – New schools required in rapidly growing communities in order to minimize student travel times and meet needs for a local school in their community.
- Aging Facilities – Older schools that require modernization, rehabilitation or replacement to provide appropriate learning environments for students. It is estimated the cost for the major maintenance and repair of CBE educational facilities is in excess of \$1.1 billion.
- Optimizing School Utilization Rates – Ensuring appropriate school utilization rates can optimize the programming opportunities available to students within the limited public resources entrusted to the CBE.

A balanced approach for the plan is developed to ensure the CBE is pursuing capital funding opportunities that recognize the changing needs of students and are focused on building strong ties with parents, partners, and the community. More specifically, the CBE recognizes:

- Provincial funding is required for new school construction in new and developing communities;
- Parents desire schools to be closer to home, especially for younger students;
- Increasing public demand for program alternatives;
- Transitions for students with minimal disruption are valued as they provide continuity of learning with consistent peer cohorts.

This approach to planning anticipates a system of core elementary feeder schools for local school communities (attendance areas), complemented with middle/junior high, and senior high schools serving larger geographic areas.

Projects are also required to ensure programming requirements are met through school modernizations. High priority program delivery projects are listed below.

- Chinook Learning

CBE is implementing a new accommodation plan for Chinook Learning. The model going forward will see Chinook Learning transitioned into James Fowler High School, Lord Beaverbrook High School, Forest Lawn High School and the Career and Technology Centre (CTC).

The 2017-18 James Fowler High School utilization rate is at 47%. The utilization rate for Lord Beaverbrook High School is projected to drop below 40% with the opening of Joane Cardinal-Schubert High School in the 2018-19 school year. The relocation of Chinook Learning into these schools will positively impact their utilization rate.

- Career and Technology Studies – In October 2014, CBE received funding approval to modernize James Fowler (centre sector) and Lord Beaverbrook (south sector) high schools. As well, CBE received funding approval March 21, 2017, for Forest Lawn (northeast sector). Once complete, these modernizations will support delivery of CTS curriculum and provide access to state of the art spaces for students living within those respective sectors of Calgary.

## 2.2 Three-Year Education Plan

Alberta Education requires school boards to maintain three-year plans, updated annually. School boards are responsible for carrying out their education plans; for reporting annually to parents, communities, and government on results and use of their resources; and, for using results information to update plans and improve education for students. The Board of Trustees approved the combined Annual Education Results Report 2016-2017 and the Three-Year Education Plan 2017-2020 on November 28, 2017. A summary of Facilities and Capital Plans identifying new school construction projects and major modernization projects is included in the Annual Education Results Report.

Long-range education plans will continue to be developed and these plans will inform the three year School Capital Plan and the ten year Student Accommodation and Facilities Strategy to ensure that programs and services for students are provided in suitable facilities in appropriate locations. Education planning information will be based on: the Three-Year Education Plan and other program development undertaken through the Chief Superintendent's office, Learning, and the respective Area Offices. This information, in conjunction with the Three-Year School Capital Plan, Three-Year System Student Accommodation Plan and facility information, will be used to inform school program and facility upgrade strategies for schools.

Facility and capital project plans will be developed through the Facilities and Environmental Services Unit based upon approvals obtained for new school construction, replacement schools, modernizations, facility maintenance, facility upgrades and other projects, as identified in this and other plans approved by the Board of Trustees.

## 2.3 Administrative Areas and Space Utilization

In spring 2017, CBE added two new administrative areas and changed the methodology for grouping schools into areas. The CBE is now divided into seven administrative areas. This new area structure is based on relationships between schools rather than geography.

A geographical reporting and analysis of data is required to understand where population and student enrolment growth will occur in the future. Starting with the *School Capital Plan 2019-2022* CBE will use City of Calgary planning sectors for capital planning purposes.

Within each of these planning sectors, the CBE annually reviews new and developing communities for new school construction eligibility. The Province has indicated that utilization is reviewed when evaluating a jurisdiction's capital priorities; however the utilization rate in a sector is not a firm requirement but rather a guideline.

The CBE strives to maintain a utilization rate in a mid-80% range. Ensuring healthy school utilization rates contributes to ensuring that facilities are optimized for educational purposes, maintaining flexibility within the system to meet demand for emergent considerations while balancing the financial obligations and sustainability of the system. Currently, the CBE's overall utilization rate by enrolment is 83%. The utilization rate is 81% for K-GR9 students and 88% for Grades 10-12 students.

A summary of utilization by enrolment and by residence follows below and is included in detail in Appendix I.

Utilization by enrolment identifies the number of students attending schools expressed as a percentage of the total capacity. Utilization by enrolment represents the actual utilization currently experienced at schools within the planning sector.

Utilization by residence identifies the number of students residing in the planning sector expressed as a percentage of the total school capacity within that planning sector. Utilization by residence represents the utilization rate that would exist if the CBE were not able to accommodate students in planning sectors but rather accommodated the students in the facilities that exist within the planning sector where they live.

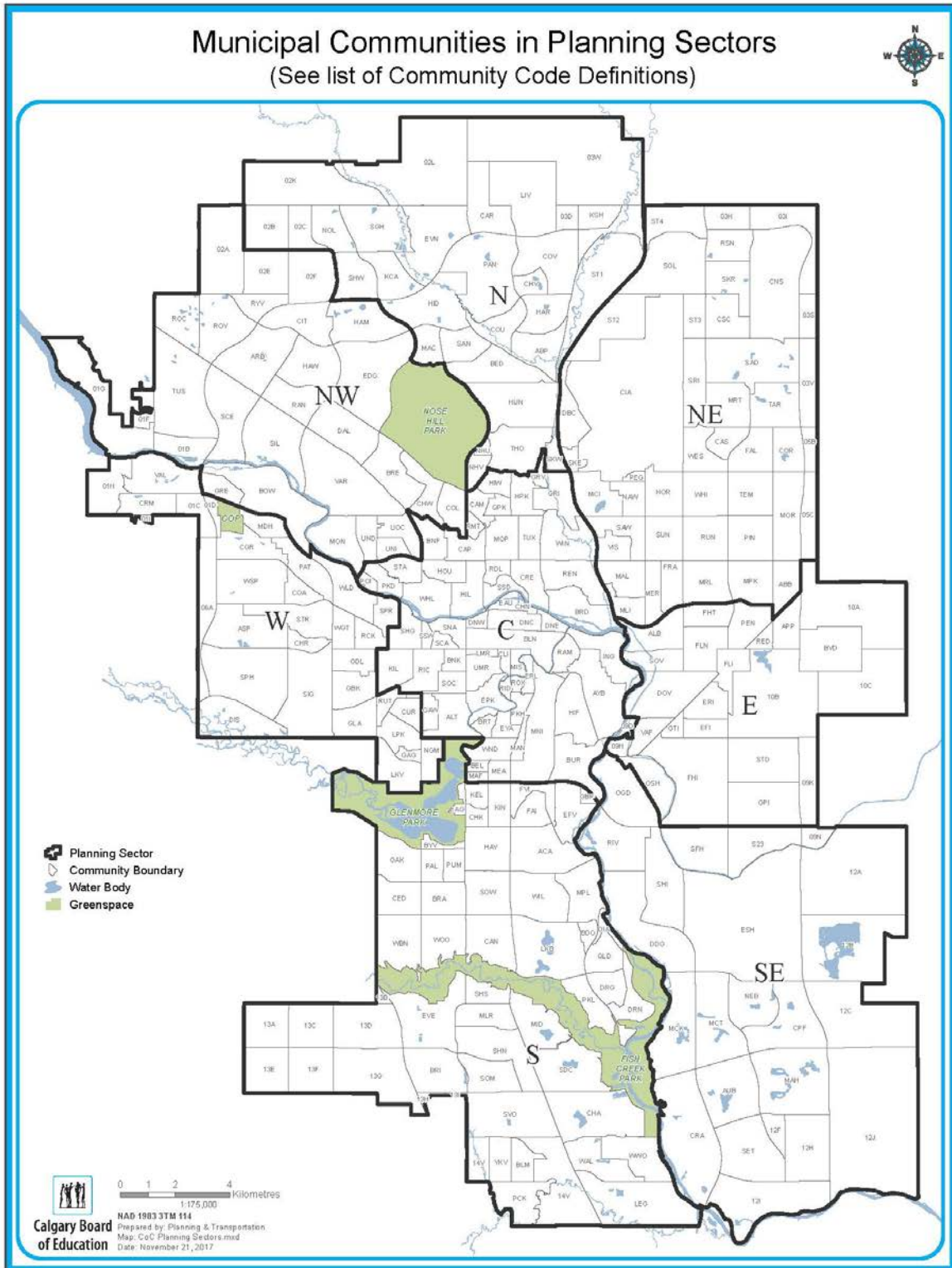
Projections for 2022-2023 account for additional school capacity that has been approved and is currently under construction but does not include additional capacity for schools requested in this capital plan in both the charts below:

<b>Planning Sector Utilization by Student Enrolment (Actual &amp; Projected)</b>		
<b>Sector</b>	<b>2017-2018 Actual K-12 Utilization</b>	<b>2022-2023 Projections K-12 Utilization</b>
Centre	82.0%	92.9%
East	73.6%	76.7%
North	90.8%	103.5%
NorthEast	86.9%	95.6%
NorthWest	86.3%	86.3%
South	79.1%	77.8%
SouthEast	82.8%	101.2%
West	80.9%	80.5%
<b>Total</b>	<b>82.9%</b>	<b>88.3%</b>

<b>Planning Sector Utilization by Student Residence (Actual &amp; Projected)</b>		
<b>Sector</b>	<b>2017-2018 Actual K-12 Utilization</b>	<b>2022-2023 Projections K-12 Utilization</b>
Centre	47.7%	58.3%
East	65.1%	68.0%
North	147.2%	157.2%
NorthEast	98.0%	106.7%
NorthWest	79.3%	79.3%
South	65.8%	70.1%
SouthEast	138.9%	130.2%
West	80.5%	80.2%
<b>Total</b>	<b>82.5%</b>	<b>87.9%</b>

## Map 2

### Municipal Communities in Planning Sectors (See list of Community Code Definitions)



## Municipal Community Code Definitions

ABB	Abbeydale	GAG	Garrison Green	RSN	Redstone
ACA	Acadia	GAW	Garrison Woods	REN	Renfrew
ALB	Albert Park/Radisson Heights	GLA	Glamorgan	RIC	Richmond
ALT	Altadore	GBK	Glenbrook	RID	Rideau Park
APP	Applewood Park	GDL	Glendale	RIV	Riverbend
ARB	Arbour Lake	GRV	Greenview	ROC	Rocky Ridge
ASP	Aspen Woods	GRI	Greenview Industrial Park	RDL	Rosedale
AUB	Auburn Bay	GRE	Greenwood/Greenbriar	RMT	Rosemont
BNF	Banff Trail	HAM	Hamptons	RCK	Rosscarrock
BNK	Bankview	HAR	Harvest Hills	ROX	Roxboro
BYV	Bayview	HAW	Hawkwood	ROY	Royal Oak
BED	Beddington Heights	HAY	Haysboro	RUN	Rundle
BEL	Bel-Aire	HID	Hidden Valley	RUT	Rutland Park
BLN	Bellline	HPK	Highland Park	SAD	Saddle Ridge
BDO	Bonavista Downs	HIW	Highwood	SGH	Sage Hill
BOW	Bowness	HIL	Hillhurst	SAN	Sandstone Valley
BRA	Braeside	HOU	Hounsfield Heights/Briar Hill	SCA	Scarboro
BRE	Brentwood	HUN	Huntington Hills	SSW	Scarboro/Sunalta West
BRD	Bridgeland/Riverside	ING	Inglewood	SCE	Scenic Acres
BRI	Bridlewood	KEL	Kelvin Grove	SET	Seton
BRT	Britannia	KIL	Killamey/Glengarry	SHG	Shaganappi
CAM	Cambrian Heights	KCA	Kincora	SHS	Shawnee Slopes
CAN	Canyon Meadows	KIN	Kingsland	SHN	Shawnessy
CAP	Capitol Hill	LKB	Lake Bonavista	SHW	Sherwood
CAS	Castleridge	LKV	Lakeview	SIG	Signal Hill
CED	Cedarbrae	LEG	Legacy	SIL	Silver Springs
CUR	Currie Barricks	LPK	Lincoln Park	SVO	Silverado
CHA	Chaparral	LMR	Lower Mount Royal	SKR	Skyview Ranch
CHW	Charleswood	LYX	Lynx Ridge	SOM	Somerset
CHN	Chinatown	MAC	MacEwan Glen	SOC	South Calgary
CHK	Chinook Park	MAH	Mahogany	SOV	Southview
CHR	Christie Park	MAN	Manchester	SOW	Southwood
CIT	Citadel	MPL	Maple Ridge	SPH	Springbank Hill
CSC	Cityscape	MRL	Marlborough	SPR	Spruce Cliff
CLI	Cliff Bungalow	MPK	Marlborough Park	STA	St. Andrews Heights
COA	Coach Hill	MRT	Martindale	STR	Strathcona Park
COL	Collingwood	MAF	Mayfair	SNA	Sunalta
CPF	Copperfield	MAL	Mayland Heights	SDC	Sundance
COR	Coral Springs	MCK	McKenzie Lake	SSD	Sunnyside
CGR	Cougar Ridge	MCT	McKenzie Towne	TAR	Taradale
CHV	Country Hills Village	MEA	Meadowlark Park	TEM	Temple
COU	Country Hills	MID	Midnapore	THO	Thornciffe
COV	Coventry Hills	MLR	Millrise	TUS	Tuscany
CRA	Cranston	MIS	Mission	TUX	Tuxedo Park
CRE	Crescent Heights	MOR	Monterey Park	UNI	University Heights
CRM	Crestmont	MON	Montgomery	UOC	University of Calgary
DAL	Dalhousie	MOP	Mount Pleasant	UMR	Upper Mount Royal
DRG	Deer Ridge	NEB	New Brighton	VAL	Valley Ridge
DRN	Deer Run	NOL	Nolan Hill	VAR	Varsity
DIA	Diamond Cove	NGM	North Glenmore Park	VIS	Vista Heights
DIS	Discovery Ridge	NHV	North Haven	WAL	Walden
DDG	Douglasdale/Glen	NHU	North Haven Upper	WHL	West Hillhurst
DOV	Dover	OAK	Oakridge	WSP	West Springs
DNC	Downtown Commercial Core	OGD	Ogden	WGT	Westgate
DNE	Downtown East Village	PAL	Palliser	WHI	Whitehorn
DNW	Downtown West End	PAN	Panorama Hills	WLD	Wildwood
EAG	Eagle Ridge	PKD	Parkdale	WIL	Willow Park
EAU	Eau Claire	PKH	Parkhill	WND	Windsor Park
EDG	Edgemont	PKL	Parkland	WIN	Winston Heights/Mountview
EPK	Elbow Park	PAT	Patterson	WBN	Woodbine
EYA	Elboya	PEN	Penbrooke Meadows	WOO	Woodlands
ERI	Erin Woods	PII	Pineridge		
ERL	Erlton	POI	Point McKay		
EVN	Evanston	PUM	Pump Hill		
EVE	Evergreen	QPK	Queen's Park Village		
FAI	Fairview	QLD	Queensland		
FAL	Falconridge	RAM	Ramsay		
FHT	Forest Heights	RAN	Ranchlands		
FLN	Forest Lawn	RED	Red Carpet		

## 2.4 Planning for Students

### Sites for New Schools

The identification and establishment of school sites within any new community in Calgary is a complex process. The CBE works with The City of Calgary, the Calgary Catholic School District (CCSD) and community developers to select school sites based on catchment areas within future developments. There is a balance between population, number and type of residential units, location and land dedication.

Land for high school sites, which serve a larger geographic region is purchased through the Joint Use Coordinating Committee (JUCC). The requirement to purchase land for a high school is identified during the regional context study phase when developments that are planned for a minimum of 50,000 to 60,000 residents are considered for approval by the City of Calgary.

In the case land for elementary and middle schools, school boards calculate the amount of land developers must allocate for K-9 school sites. The number and type of school sites required is based on the Joint Use Site Calculation Methodology. This methodology uses the estimated number of single and multi-family units in an Area Structure Plan (ASP) multiplied by the average number of children aged 5-14 per housing unit by type.

As a more general guideline to determine an approximate number of schools, a target of one elementary school for every 10,000 residents, one middle school for every 15,000 to 20,000 residents and a high school for every 50,000 to 60,000 residents is used. Many of the new communities in Calgary are large enough that once full build out has been achieved, the community will require a minimum of one elementary and one middle school to accommodate the students living in the community. Larger communities, once they are fully built-out, will require two elementary schools and one middle school to accommodate students.

### Working with Stakeholders

CBE is committed to working with stakeholders and has developed a Dialogue Framework to guide this work. This framework guides public engagement when CBE considers the future use of existing learning space in schools.

The CBE's dialogue framework is available at <http://www.cbe.ab.ca/get-involved/public-engagement/Pages/default.aspx>

### System Student Accommodation Plan

The CBE has a Three-Year System Student Accommodation Plan to inform appropriate decision-making and timely engagement for community members and parents in CBE accommodation planning. The process applies to and informs recommendations regarding all school and program accommodation issues. The Three-Year System Student Accommodation Plan is developed to



support and reflect the Three-Year Education Plan, Three-Year School Capital Plan, and the ten year Student Accommodation and Facilities Strategy.

Student accommodation needs are identified by the Planning & Transportation department in consultation with Area Directors. Administration is responsible for using CBE's Dialogue framework to engage internal and external stakeholders regarding student accommodation challenges. The Three Year System Student Accommodation Plan 2017-2020 was presented for information at the June 20, 2017, Board of Trustees meeting and is available on the CBE website at: <http://www.cbe.ab.ca/FormsManuals/Three-Year-System-Student-Accommodation-Plan.pdf>

### **Program Opportunities for Students**

The CBE is committed to a balance among equity, access, excellence, and choice within the school system and consequently offers a wide variety of programs for students of all ages. Programs are designed to enrich the lives of students and to promote quality learning. We recognize the many diverse ways of learning and the many interests and abilities of students. Through the Three-Year System Student Accommodation Plan, these programs are initiated where space is available and as close as possible to where demand for the programs exists. Information about programming opportunities for students can be found at:

<http://www.cbe.ab.ca/programs/Pages/default.aspx>

## 2.5 New School Construction and School Approvals

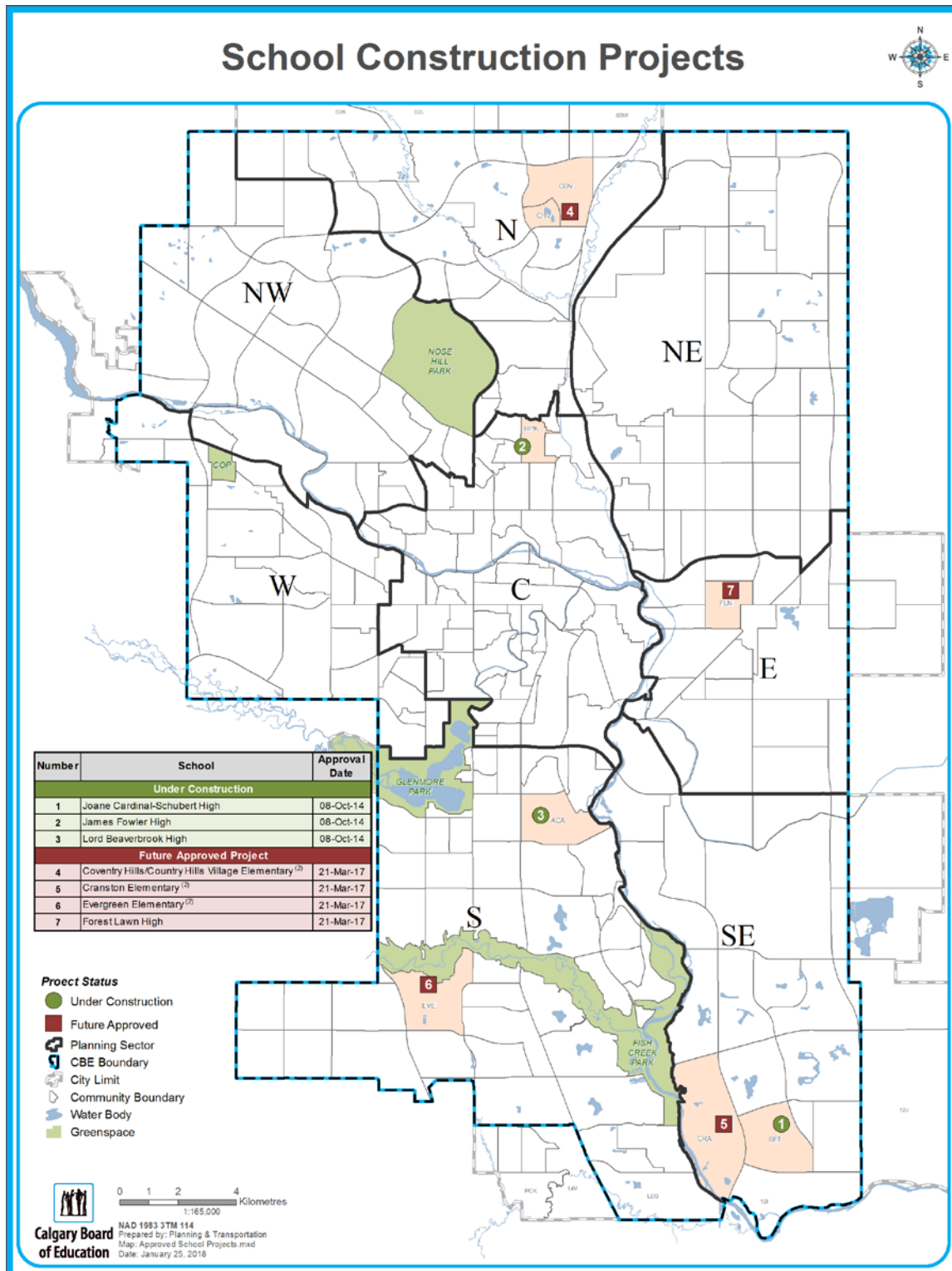
Five new school construction projects and two high school major modernization projects are currently under development.

The table below summarizes the projects under development, their approval dates and their projected opening/completion date.

Schools Under Construction and Approvals					
Projected School Year Opening	School/Community	Project Type	Grade	Approved Capacity	Approval Date
2018-2019	Joane Cardinal-Schubert High	New Construction	Grades 10-12	1,800	Oct. 8, 2014
	James Fowler High	Modernization	Grades 10-12	n/a	Oct. 8, 2014
	Lord Beaverbrook High	Modernization	Grades 10-12	n/a	Oct. 8, 2014
TBD	Coventry Hills/Country Hills Village Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Mar. 21, 2017
	Cranston Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Mar. 21, 2017
	Evergreen Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Mar. 21, 2017
	Forest Lawn High	Modernization	Grades 10-12	n/a	Mar. 21, 2017
Total School Space Capacity				3,600	

**Map 3** identifies the location of future school openings approved between October 8, 2014 and March 21, 2017.

**Map 3**



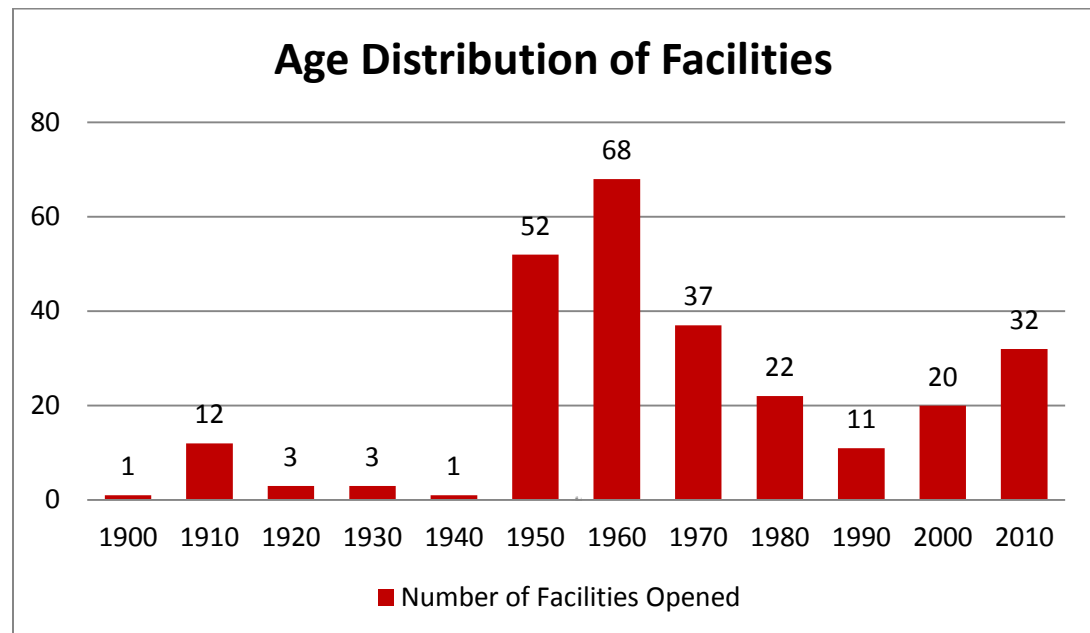
## 2.6 School Major Modernization

School major modernization projects provide for the renovation of whole or part of a school building for both present and future educational programs. These modernizations address physical obsolescence and/or improve functional adequacy and suitability. School major modernization projects should not exceed 75% of the replacement value of the school building as per provincial guidelines.

To support the delivery of new CTS curriculum, modernizations of James Fowler, Lord Beaverbrook and Forest Lawn High schools have been approved to include the following improvements:

- Focus on upgrading CTS spaces
- Partial mechanical and electrical systems upgrades
- Minor building envelope and interior upgrades
- Building code and barrier free access upgrades

The CBE has a current count of over 260 owned facilities of which 177 were built before 1980. This represents approximately 70% of CBE's school building inventory. The current inventory by decade of CBE school buildings is shown in the following graph:



In 2004, the Province undertook a rolling condition assessment of schools in the Renewal Capital Asset Planning Process (RECAPP) and planned to audit CBE facilities every five years. In the spring of 2009, Alberta Infrastructure recommenced evaluations starting with the former 2004 assessments, thus continuing the five-year assessment cycle. Approximately 40 to 50 facilities are audited every year. Findings of the re-evaluation are incorporated into maintenance, modernization, and facility planning for CBE projects. This Provincial audit information, now called VFA, factors into CBE's assessment in determining modernization priorities.

The CBE continues to rank facilities for major modernizations. The criteria used for establishing major modernization priorities are reviewed periodically. The most recent criteria review began in May 2014 and revisions recommended as a result of the review were presented to the Board of Trustees and approved on October 7, 2014. Details of major modernization ranking can be found in Appendix II on pages 79 - 80.

## **2.7 Collaborative Initiatives with The City of Calgary**

For many years, the CBE and The City of Calgary have enjoyed a strong working relationship. This relationship involves both city-wide initiatives and specific initiatives focused on property, leasing, and infrastructure. The following initiatives are examples of the CBE working together with the City:

- The CBE is party to the Joint Use Agreement and participates on the Joint Use Coordinating Committee (JUCC) with the City and the CCSD dealing with the determination of municipal and school reserve sites.
- The CBE is a member of the Site Planning Team (SPT) with the City and the CCSD that meets every two weeks to review and discuss development applications and issues related to public access of City and school facilities.
- CBE representatives have been involved in many city-wide initiatives such as the new Pedestrian Strategy, School Sites Review project, Green Line Thorncliffe Station Area redevelopment, and Traffic Safety Community meetings.
- The CBE has also worked collaboratively with the City and CCSD on a tripartite City Charters Memorandum of Understanding. More recently, this work has grown to include the Government of Alberta's Urban School Planning Collaboration Sub-Table with the objective of maximizing the benefits derived from school sites for students and the public.

## **3.0 NEW SCHOOL CONSTRUCTION CAPITAL PLAN CRITERIA**

The CBE does not rank alternative programs for new school construction. As schools are opened in new suburbs, vacancies are created in the bus receiver schools where those students attended prior to the opening of the new school. Administration works to identify opportunities to expand or relocate alternative programs into these spaces as they become available.

In the new and developing municipal communities, elementary school communities generally reflect municipal community boundaries. The junior high and middle school communities can serve one large municipal community or two or more small-to-medium-sized municipal communities. In the inner-city and established areas, school communities tend to cover larger geographic areas for elementary, junior high, and middle schools, and do not always align with municipal community boundaries as there is a large range of municipal community sizes and demographics.

## 3.1 Construction Planning Criteria

The ranking of new school construction priorities is an important issue for all community stakeholders. The CBE first established ranking criteria for new construction priorities in January 2002. The model was designed to be transparent, objective and impart equity and fairness to all Calgary communities. Over the years, these criteria have been reviewed and adjusted periodically as necessary. The most recent criteria review began in May 2014 and revisions recommended as a result of the review were presented to the Board of Trustees and approved on October 7, 2014.

There are two types of criteria in the evaluation process used to rank school communities for capital building priorities in the Three-Year School Capital Plan. These are as follows:

1. **Eligibility Criteria** acts as a screening filter for new capital projects and must be met before a school project proceeds to the ranking phase.
2. **Ranking Criteria** that will be used to further evaluate and prioritize new capital projects.

### Eligibility Criteria

#### Eligible School Communities

All new and developing municipal communities are evaluated and ranked for new school construction. Inner-city and established communities are not ranked.

Most municipal communities have an elementary site and are ranked individually as a school community. When determining whether to group communities, the CBE uses the projected population based on the full build-out of the community, not the existing population in any given year. If two communities were combined for a new school ranking based on current population, even though the projected population at build-out indicates that each community will require their own school in the longer term, one of the communities would need to be moved to a different school in the future. Past experience has shown that stakeholders are resistant to designation changes once a school exceeds capacity.

In certain cases, the CBE will continue to combine communities for new school ranking when the build-out populations of the combined communities are such that the school is anticipated to accommodate the students from both communities in the long term. Two small municipal communities will be combined for elementary school ranking where they do not exceed a combined projected community population threshold of approximately 10,000 people.

In the case of middle/junior high schools, adjacent municipal communities may be combined if they do not exceed a combined projected population threshold of approximately 24,000 people. Community build-out projections may vary from year to year due to ongoing adjustments to densities and other factors as determined by the City. Large municipal communities that can sustain a middle/junior high school are ranked individually as a school community.

## Accommodation Options

This criterion is used to evaluate student accommodation options for eligible school communities. In some cases, an accommodation option may exist in a nearby community and a school community may not need to be ranked for new school construction.

One example would be the accommodation of Bridlewood GR7-9 students in Samuel W. Shaw School which is located in the adjacent community of Shawnessy. As a result of this accommodation option, the CBE does not currently rank Bridlewood as a priority for a middle/junior high school.

## Site Availability and Readiness

High school sites require larger land parcels that will service multiple communities. As such the land required for these sites is acquired under the Joint Use Agreement, a tripartite agreement between the City, CBE and CCSD. The requirement to purchase land for a high school is identified during the regional context study phase when developments that are planned for a minimum of 50,000 to 60,000 residents are considered for approval by the City of Calgary. Accordingly new high school construction is only considered where a site is available - see **Map 4** on page 30 for locations of CBE high school sites.

Moreover, for any site irrespective of the grade configuration of the school, if a site has not been developed/serviced to the level at which construction of a school would be possible within a 12 month timeframe, the school will not be ranked as a construction priority for that year's Three-Year School Capital Plan. Site readiness is reviewed and assessed on an annual basis.

Developers are required to obtain both Final Acceptance Certificate (FAC) and Construction Completion Certificate (CCC) from the City. These certificates ensure that developers have met all obligations and sites are ready for 'turn-over' to the future landowners which means sites are ready for building construction. Site readiness includes, but is not limited to:

- receiving land title for the site, complete with legal description and appropriate zoning
- services (water, sewer, electricity, etc.) are in place and ready for hook up
- site has suitable topography and no geotechnical or foundational concerns (for construction)
- environmental site assessments are complete; normally already completed by the developer through FAC and CCC obligations to the City
- confirmation the site exists outside of the 1:500 year floodplain
- site has adequate access for both construction and usage

Typically, the CBE would like to receive sites with both FAC and CCC finalized, but, in emergent cases, where the site is required for immediate construction needs, a developer can be released from their obligations over the building envelope area, with those obligations being transferred to the CBE to complete. Examples of obligations would be site grading, landscaping, site drainage, connections to City services.

## Ranking Criteria:

For school communities that meet the eligibility criteria, an analysis is undertaken using criteria in three categories: Community Growth Profile, Busing and Travel Time, and Accommodation. Points for each of the profiles are totalled and used to rank priorities for new school construction.

### **Design Only**

When there has been government approval for the design of a school in a community in advance of full funding approval to construct the school, an exception to the standard ranking methodology will be made so that resources committed for the design of the school are maximized and construction occurs in a timely manner. For this reason a community with this design phase only approval will not be assessed through the points ranking criteria and will be retained at the top of the next year's list.

### **Preschool Census**

Total preschool census numbers are used for each community not just public school supporters. This provides a true reflection of the total number of potential students in a community.

### **Enrolment in CBE Schools (K-GR4 and GR5-9)**

Actual September 30 enrolment numbers are used and include all students from the community who are accessing any CBE school. If a community already has a school, the capacity of the school will be subtracted from the number of students enrolled in the CBE. For example, in a community with 1,200 K-GR4 students and a 600 capacity K-GR4 school, the number of students counted in assessing enrolment for a second elementary school would be 600.

### **Population Growth**

A matrix is used that takes into account the five year projected population growth by sector (based on City of Calgary projections) and the ratio of the number of CBE students per housing unit in a given community. The City of Calgary does not prepare population projections for individual communities but does annually prepare a population forecast by city sector. Utilizing these sector population projections takes future growth into consideration. The use of these two measures together in a matrix results in the greatest number of points, in this category, being assigned to communities with the highest number of students per household that are located in areas of the city that are projected to have the highest growth.

### **Travel Time**

A matrix is used that takes into account median travel time as well as distance from the community to the designated school. Utilizing ArcGIS, distance is calculated from the centre of a community to the regular program designated school. The use of these two measures together in a matrix results in the greatest number of points being assigned, in this category, to communities with the longest travel time and the greatest distance travelled.



## **Bus Receivers**

Points are assigned to a community where there is a need for more than one bus receiver to accommodate the established grade configuration for the regular program (examples include but are not limited to K-GR4 and GR5-9 or K-GR6 and GR7-9).

## **Existing or Approved School(s) in Community**

The provision of a K-9 learning continuum for students within a community is desired. For middle school ranking, points are assigned to a community that has an existing K-GR4 school

In some cases, this criterion is included in the K-GR4 ranking process to address completion of a full school build out, in the event that provincial approvals have been awarded in phases. This category does not apply for ranking a second elementary school within a community.

## **Transition Points**

A transition point occurs when a cohort group of students move from one school to another. Typically a cohort group of students will have one transition point and move once between kindergarten and GR9 (e.g. K-GR4 in one school and GR5-9 in another or K-GR6 in one school and GR7-9 in another). In some situations, space may be limited at either elementary or junior/middle schools and it may be necessary to accommodate a cohort of students from a new and developing community in more than two schools for K-GR9 (e.g. K-GR4 in one school, GR5-6 in a second school and GR7-9 in a third school).

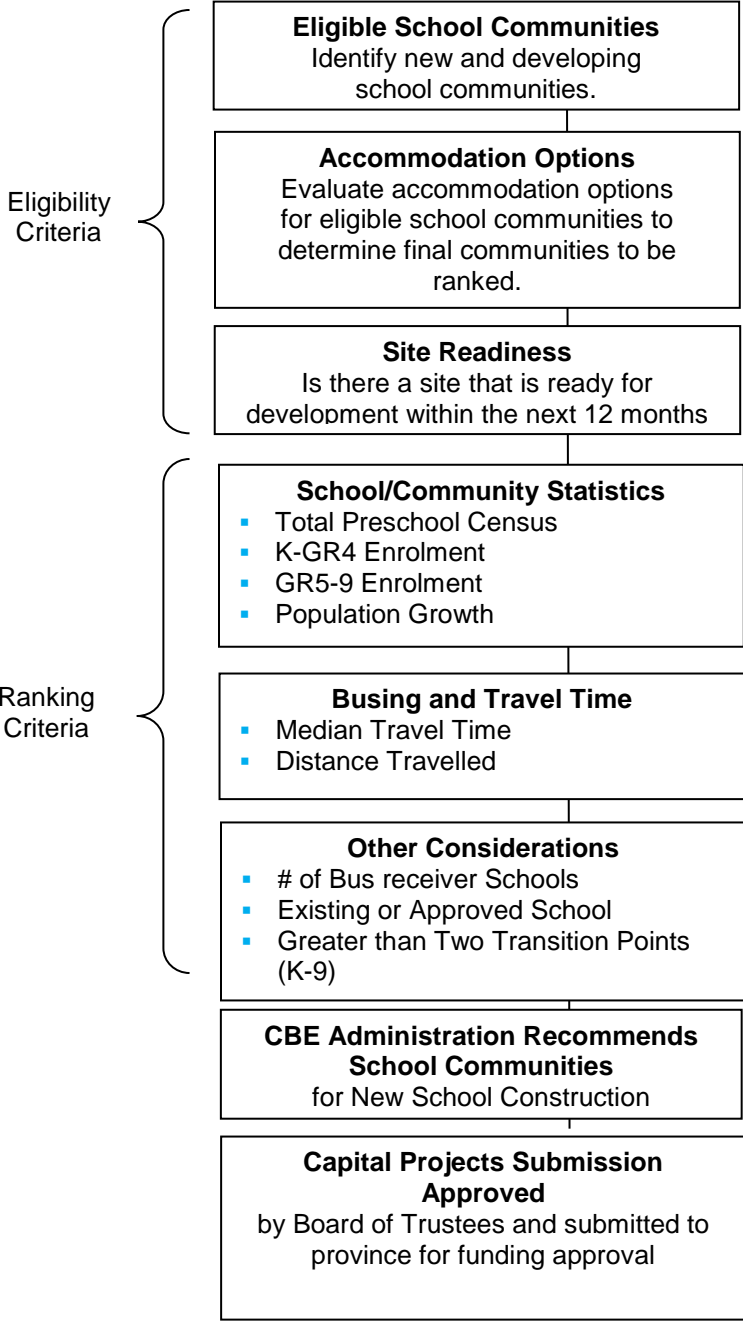
In some cases a K-GR9 grade configuration will be recommended. Examples of when this may occur include, but are not limited to, when community demographics demonstrate that a 900 student K-GR9 school is sufficient to accommodate students or when there is only one school site in a community and the site is sufficient in size to accommodate the building. Communities under consideration for a K-GR9 school are assessed through both the K-GR4 and GR5-9 point assessment process. The priority order is determined by the highest number of points in either of these two categories not by the combined number of points.

The option exists for the placement of priorities for new school construction.

- Senior high schools are not ranked using point criteria, but are recommended on the priority list based on analysis of multiple factors such as:
  - availability of a site to construct a high school
  - high school utilization rates
  - student enrolment
  - community demographics
- Schools with unique settings or enrolments that do not lend themselves to the aforementioned ranking criteria may also be placed on a priority basis.

A flow chart summarizing the evaluation process for recommended new school construction follows:

**Three-Year School Capital Plan  
New School Construction Evaluation Process**



### 3.2 Construction Ranking: Kindergarten to Grade 9

A summary of the points assigned for communities, for kindergarten to Grade 9, that are included in this year's Plan are below:

School Communities				
Rank	Community	Points	Planning Sector	Grade
1	Auburn Bay Elementary <sup>(2)</sup>	1866	SE	K-4
2	Mahogany Elementary	1499	SE	K-4
3	Auburn Bay Middle	1492	SE	5-9
4	Evanston Elementary <sup>(2)</sup>	1480	N	K-4
5	Skyview Ranch Elementary**	1473	NE	K-4
6	Evanston Middle	1420	N	5-9
7	Sage Hill Elementary	1117	N	K-4
8	Kincora Elementary	1074	N	K-4
9	Sherwood/Nolan Hill Middle	1037	N	5-9
10	Nolan Hill Elementary	978	N	K-4
11	Cougar Ridge Elementary	977	W	K-4

Notes: <sup>(2)</sup> Indicates second K-4 school

\*\* Combined Country Hills/Harvest Hills and Skyview Ranch into K-9 grade configuration

(Communities under consideration for a K-GR9 school are assessed through both the K-GR4 and GR5-9 point assessment process. The priority order is determined by the highest number of points in either of these two categories not by the combined number of points)

Based on the point assignment, some communities have a higher point total for a second elementary school in the community than for a middle school.

Constructing a middle school prior to second elementary schools is desired for several reasons. Construction of a middle school completes the K-9 continuum of learning and adds 900 additional learning spaces in comparison to 600 for a second elementary school. These 300 additional learning spaces provide space for more students to attend school closer to home. When a second elementary school receives more points than a middle school within the same community, the middle school will be prioritized over the second elementary school.

CBE school communities ranked for new school construction must have a site available and have a student population large enough to sustain an elementary or middle/junior high school per the ranking criteria. New school construction projects for the top-ranked school communities have been identified in Section 4.0.

Details of the points assignment for all eligible communities are included in Appendix III.

The ranking criterion that was revised and approved in October 2014 uses actual numbers of students and potential students rather than assigning a value for a range of students as occurred with the previous criteria. This change has resulted in fewer ties for placement. In the case of a tie in ranking the following will be used to determine priority between the tied projects:

- Ties will be broken on total points of the first two community ranking categories.
- In the case where it is still tied, only the first community ranking category points will be used.

### 3.3 Construction Planning Criteria: Senior High Schools

A sector based approach is used to evaluate projects for new senior high school capital priorities. Utilization rates by planning sector are listed below:

Senior High Planning Sector Utilization		
Planning Sector	2017-2018 Residence Utilization	2017-2018 Enrolment Utilization
Centre	28.1%	78.5%
East	52.6%	76.4%
North	273.7%	103.6%
NorthEast	149.9%	102.3%
NorthWest	96.7%	90.3%
South	69.5%	91.2%
SouthEast	0.0%	0.0%
West	81.0%	91.1%

Notes:

- Student numbers are based on ArcView data as at September 30, 2017
- Capacity as per Alberta Infrastructure's Utilization Formula (assuming exemptions)

The greatest demand for new senior high school space based on where students are living (by residence) is in the north sector. The north sector, which is comprised of established and new communities, has a utilization rate by residence of 274%. This sector is only served by one high school, John G. Diefenbaker.

The high school utilization rate, by residence, in the centre sector indicates that there is excess space within the sector. Although there is space, it is not located close to the growing communities in the north sector where student enrolment is increasing and utilization by residence exceeds the capacity. The centre sector is comprised of inner city and established communities and has a utilization rate by residence of 28%. There are five senior high schools located in this sector. Starting in September 2018, space at James Fowler High School, Lord Beaverbrook High School, Forest Lawn High School and the Career and Technology Centre (CTC) will be used to accommodate Chinook Learning Services and the utilization rate at these schools will increase.

Senior high utilization by sector for all Sectors can be found in Appendix 1, Table 2 on page 74.

### 3.4 Construction Priorities: Senior High Schools

For identified through the City of Calgary Regional Context study process and procured through the Joint Use Agreement (see **Map 4**) these are not ranked using point criteria but are recommended on the new school construction priority list based on an analyze of factors such as:

- demographic information, including current and future student populations;
- availability of space in existing high schools;
- proximity of that space to student populations;
- City of Calgary's projected growth for the sector.

#### North High School

A new high school would allow CBE to accommodate high school students who live in the far northern communities at a school that is closer to where they live. The north sector is projected to be one of the fastest growing areas in the city, with an expected increase of approximately 19,000 people by 2021. This represents approximately 25% of the forecasted city growth in terms of total population.

The north sector includes many new and developing communities and has a large student population by residence. There are a total of 3,689 senior high students living in the north sector enrolled at CBE schools this year. John G. Diefenbaker is the only high school in this sector and it has a provincial capacity of 1,480 student spaces. If all high school students living in this sector attended the only high school in the sector, the utilization rate would be 274%.

The primary catchment population for a north high school would be the Northern Hills communities, consisting of Harvest Hills, Coventry Hills (including Country Hills Village), Country Hills (north/south) and Panorama Hills, as well as the Hidden Valley community to the west. Combined, these five communities have a population of approximately 70,000 people. There are currently 1,811 students from these areas attending CBE high schools for Grades 10 - 12.

Students living in the northern hills communities currently attend four different CBE schools. Three of the schools are located in the centre sector and one is in the north sector.

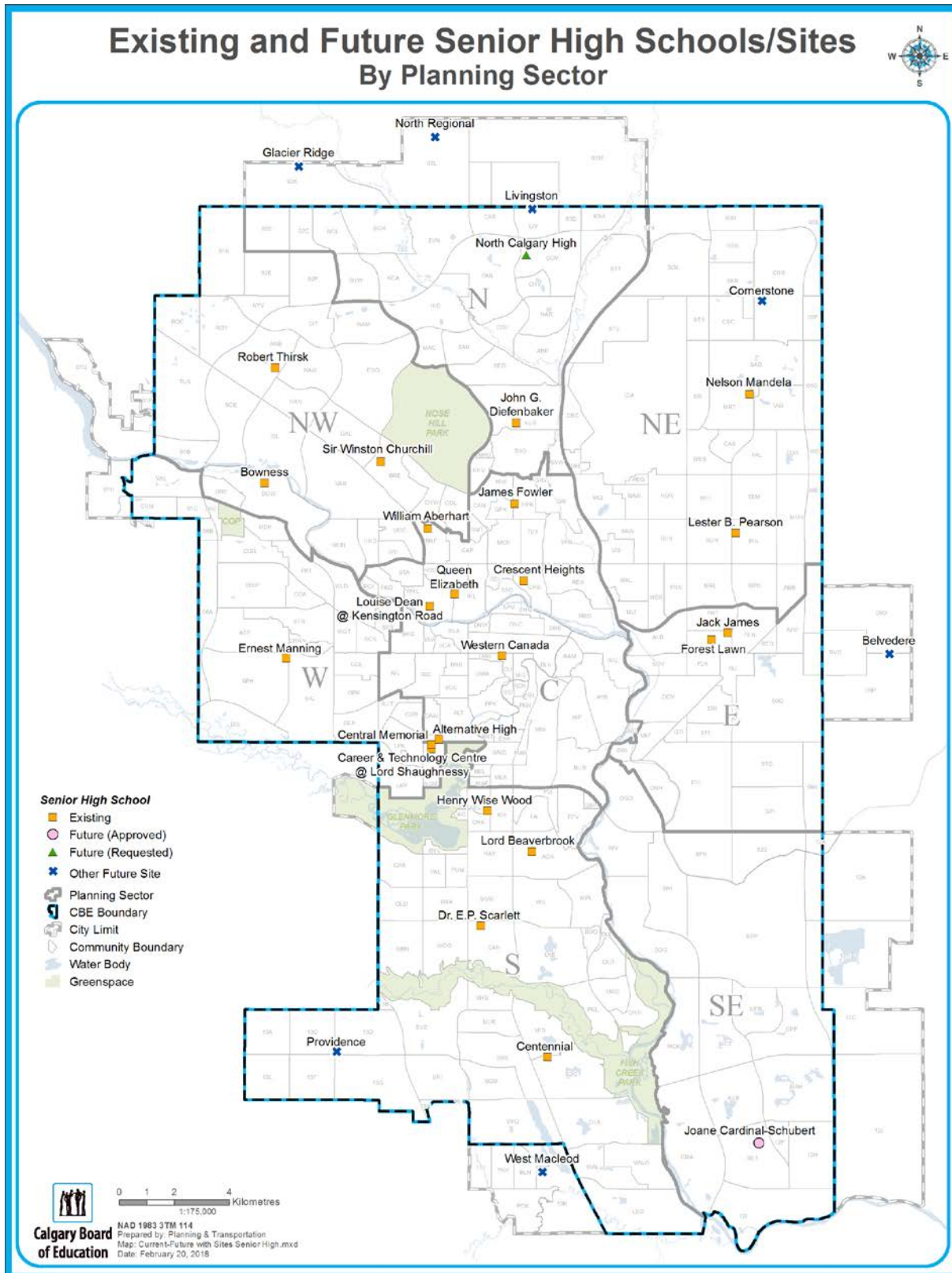
- Crescent Heights (Coventry Hills, including Country Hills Village, Hidden Valley);
- Queen Elizabeth (Country Hills - south);
- James Fowler (Country Hills – north); and
- John G. Diefenbaker (Panorama Hills, Harvest Hills).

John G. Diefenbaker is the closest school and is located in the Huntington Hills community. Students attending Crescent Heights and Queen Elizabeth have long travel times to the inner city communities of Crescent Heights and West Hillhurst.

In addition to the Northern Hills communities there are several communities further north in the sector that are travelling long distances to attend high school. These communities are Carrington, Evanston, Kincora, Livingston, Nolan Hill, Sage Hill and Sherwood. All of these communities are still developing and the total population build-out is approximately 118,000 people over the next 15 to 20 years. Currently there are 795 GR10-12 students enrolled in CBE schools from these seven communities. This number will only increase over the next five to ten years. One or more of these communities could be designated to a new north high school if it is not at capacity with students from the Northern Hills communities.

A 23.6 acre senior high school site is located in the Coventry Hills community on Coventry Hills Way NE. Once constructed and open, a new high school in north Calgary that will operate at 100% capacity for many years to come.

Map 4



## 4.0 THREE-YEAR SCHOOL CAPITAL PLAN 2019-2022 – SUMMARY

Capital projects are reviewed and prioritized by the Ministry of Education prior to being submitted to the government's Capital Planning Initiative process led by the Treasury Board. Projects are first reviewed for accuracy and clarity and Provincial staff may meet with school jurisdictions to obtain further information as required.

Alberta Education will evaluate project requests by first considering school jurisdiction priorities and then the following criteria:

- Health and Safety
- Building Condition
- Utilization Rates
- Enrolment Projections
- Education Program Delivery
- Additional Information

Alberta Education then prepares the annual submission for the Provincial Capital Planning Initiative. All government projects are evaluated using a Project Rating System consisting of program delivery, infrastructure, performance, economic, and financial impacts.

An in-depth review of the ranking rationale assigned to each capital project is undertaken by a cross-ministry committee, resulting in a recommendation being submitted to the Deputy Minister Capital Planning Committee, and then to the Treasury Board Capital Planning Committee. Provincial Caucus reviews the Treasury Board recommendations and, ultimately, approves the Provincial Capital Plan.

This section provides a summary of recommended new school construction and major modernization projects. Table 1 (New School Construction) and Table 2 (School Modernizations) provides a summary of the recommended projects and project costs are based upon 2017 Alberta Infrastructure support prices. Sections 5.0 and 6.0 provide details of the recommended projects.

Projects are listed in order of priority. There is still a need for schools located where students live and are projected to live in the future. Details of modernization rankings are in Appendix II and details of new school construction priority rankings are identified in Appendix III.

The sections that follow this summary (Sections 5.0 and 6.0) describe the community and school profiles in order of priority. The key maps in the top right corner of the page depict the location of the community described for new construction projects. The light-shaded areas represent all the new and developing communities in Calgary.



The following tables provide a summary of the new school construction and major modernization projects recommended for funding and these are identified on **Map 5 and Map 6**.

<b>Table 1: New School Construction</b>						<b>Number of Years Previously Listed in Capital Plan</b>
<b>Three-Year School Capital Plan 2019-2022 Priorities</b>						
<b>Priority Ranking – Project Description</b>						
<b>YEAR 1</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
C-1 Mahogany Elementary	K-4	New Request	Full buildout to 600	14,678,500		4
C-2 Auburn Bay Middle	5-9	New Request	Full buildout to 900	27,860,000		4
C-3 <sup>1</sup> North Calgary High	10-12	New Request	Full buildout to 1800	59,128,000		5
C-4 Auburn Bay Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	14,678,500		0
C-5 Skyview Ranch Elementary/Middle	K-9	New Request	Full buildout to 900	27,860,000		5
				<b>YEAR 1 TOTAL</b>	<b>144,205,000</b>	
<b>YEAR 2</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
C-6 Evanston Middle	5-9	New Request	Full buildout to 900	27,860,000		5
C-7 Evanston Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	14,678,500		0
C-8 Sage Hill Elementary	K-4	New Request	Full buildout to 600	14,678,500		4
C-9 Kincora Elementary	K-4	New Request	Full buildout to 600	14,678,500		6
				<b>YEAR 2 TOTAL</b>	<b>71,895,500</b>	
<b>YEAR 3</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
C-10 Sherwood/Nolan Hill Middle	5-9	New Request	Full buildout to 900	27,860,000		2
C-11 Nolan Hill Elementary	K-4	New Request	Full buildout to 600	14,678,500		1
C-12 Cougar Ridge Elementary	K-4	New Request	Full buildout to 600	14,678,500		5
				<b>YEAR 3 TOTAL</b>	<b>57,217,000</b>	
				<b>GRAND TOTAL</b>	<b>273,317,500</b>	

Note: <sup>1</sup> Senior high schools are not ranked using point criteria.  
<sup>(2)</sup> = second elementary school for the community

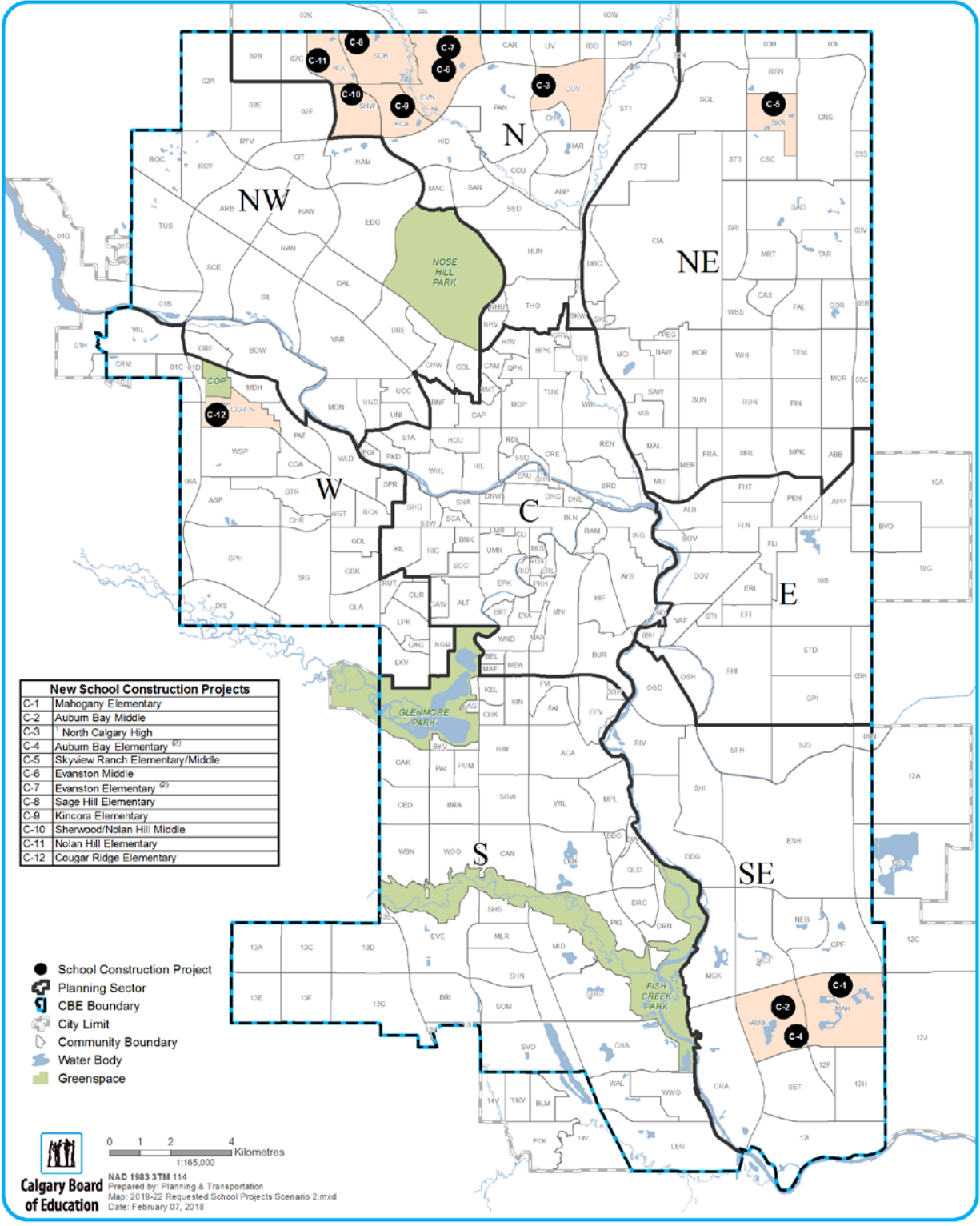
Table 2: School Major Modernizations						
Three-Year School Capital Plan 2019-2022 Priorities						
Priority Ranking – Project Description						
<b>YEAR 1</b>						
	Grade	Project Status	Request Type	2018 Cost (\$)	Number of Years Previously Listed in Capital Plan	
M-1	John G. Diefenbaker High School	10-12	Modernization Request	Major Modernization	27,000,000	9
M-2	Nickle School	5-9	Modernization Request	Major Modernization	14,000,000	10
M-3	Ernest Morrow School	6-9	Modernization Request	Major Modernization	16,000,000	4
				YEAR 1 TOTAL	57,000,000	
<b>YEAR 2</b>						
	Community/School	Grade	Project Status	Request Type	2018 Cost (\$)	
M-4	A.E. Cross School	7-9	Modernization Request	Major Modernization	18,000,000	1
M-5	Janet Johnstone School	K-4	Modernization Request	Major Modernization	8,700,000	3
M-6	Annie Foote School	K-6	Modernization Request	Major Modernization	10,400,000	3
				YEAR 2 TOTAL	37,100,000	
<b>YEAR 3</b>						
	Community/School	Grade	Project Status	Request Type	2018 Cost (\$)	
M-7	Cedarbrae School	K-6	Modernization Request	Major Modernization	7,800,000	3
M-8	Altadore School	K-6	Modernization Request	Major Modernization	7,800,000	10
M-9	Ranchlands School	K-6	Modernization Request	Major Modernization	11,700,000	3
M-10	Queen Elizabeth School	K-6	Modernization Request	Major Modernization	8,700,000	3
				YEAR 3 TOTAL	36,000,000	
				GRAND TOTAL	130,100,000	

Table 3: New School Construction and Major Modernizations						Number of Years Previously Listed in Capital Plan
Three-Year School Capital Plan 2019-2022 Priorities						
Priority Ranking – Project Description						
<b>YEAR 1</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
1 Mahogany Elementary	K-4	New Request	Full buildout to 600	14,678,500		4
2 Auburn Bay Middle	5-9	New Request	Full buildout to 900	27,860,000		4
3 <sup>1</sup> North Calgary High	10-12	New Request	Full buildout to 1800	59,128,000		5
4 Auburn Bay Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	14,678,500		0
5 Skyview Ranch Elementary/Middle	K-9	New Request	Full buildout to 900	27,860,000		5
6 John G. Diefenbaker High School	10-12	Modernization Request	Major Modernization	27,000,000		9
7 Nickle School	5-9	Modernization Request	Major Modernization	14,000,000		10
8 Ernest Morrow School	6-9	Modernization Request	Major Modernization	16,000,000		4
			YEAR 1 TOTAL	201,205,000		
<b>YEAR 2</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
9 Evanston Middle	5-9	New Request	Full buildout to 900	27,860,000		5
10 Evanston Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	14,678,500		0
11 A.E. Cross School	7-9	Modernization Request	Major Modernization	18,000,000		1
12 Sage Hill Elementary	K-4	New Request	Full buildout to 600	14,678,500		4
13 Janet Johnstone School	K-4	Modernization Request	Major Modernization	8,700,000		3
14 Kincora Elementary	K-4	New Request	Full buildout to 600	14,678,500		6
15 Annie Foote School	K-6	Modernization Request	Major Modernization	10,400,000		3
			YEAR 2 TOTAL	108,995,500		
<b>YEAR 3</b>						
Community/School	Grade	Project Status	Request Type	2018 Cost (\$)		
16 Sherwood/Nolan Hill Middle	5-9	New Request	Full buildout to 900	27,860,000		2
17 Cedarbrae School	K-6	Modernization Request	Major Modernization	7,800,000		3
18 Altadore School	K-6	Modernization Request	Major Modernization	7,800,000		10
19 Nolan Hill Elementary	K-4	New Request	Full buildout to 600	14,678,500		1
20 Cougar Ridge Elementary	K-4	New Request	Full buildout to 600	14,678,500		5
21 Ranchlands School	K-6	Modernization Request	Major Modernization	11,700,000		3
22 Queen Elizabeth School	K-6	Modernization Request	Major Modernization	8,700,000		3
			YEAR 3 TOTAL	93,217,000		
			GRAND TOTAL	403,417,500		

Note: <sup>1</sup> Senior high schools are not ranked using point criteria.  
<sup>(2)</sup> = second elementary school for the community

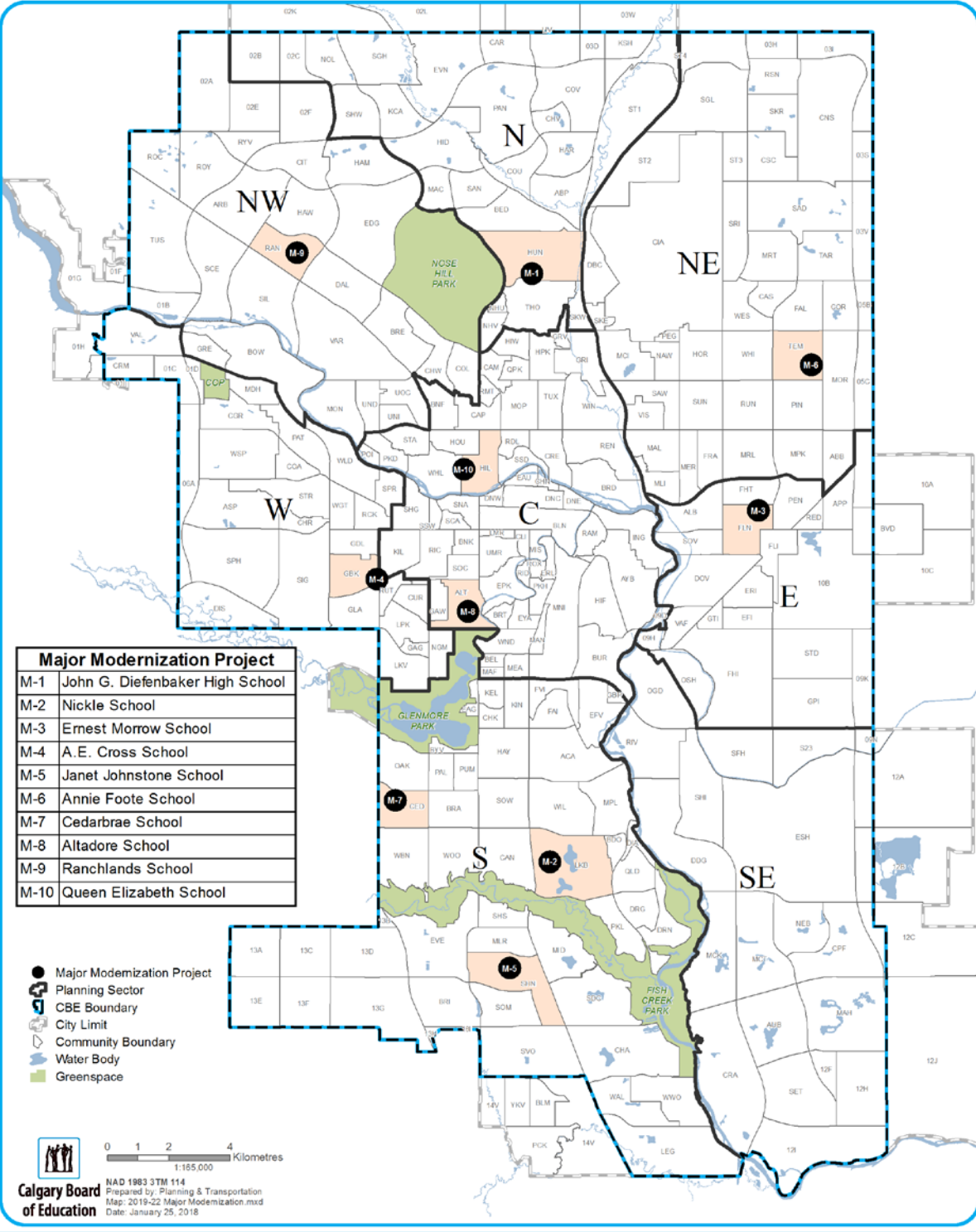
# Map 5

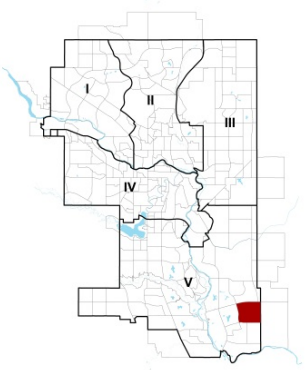
## New School Construction Projects 2019-2022

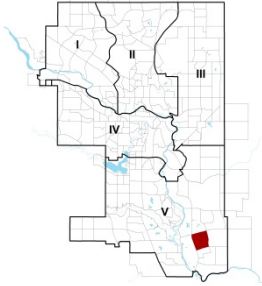



# Map 6

## Major Modernization Projects 2019-2022

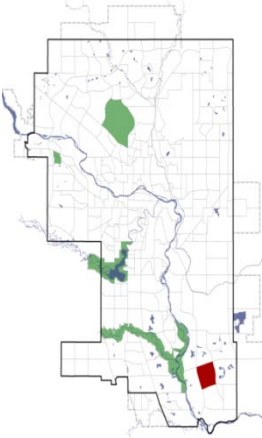


<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-1 Mahogany Elementary</b>	
<b>School Community Profile</b>	
<p><b>Mahogany Community</b> began development in 2009 and is located in the southeast sector of the City.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 2,841 with a population of 8,444.</li> <li>▪ The community is planned for an estimated 11,348 housing units with a population capacity of 29,800 to 30,500.</li> <li>▪ The community had an average annual population growth of 1,928 persons during the past three-year period.</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, there were a total of 1095 preschool-aged children in Mahogany.</li> <li>▪ As of September 30, 2017, there were 314 kindergarten to Grade 4 students residing in the Mahogany community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Mahogany students are currently bused to Riverbend School, which is located in the Riverbend community in Area 6. Median travel time to Riverbend School is 24 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR 4 school for 450 students complete with space to support a modular addition for 150 students in 6 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$14,678,500.</li> </ul>	

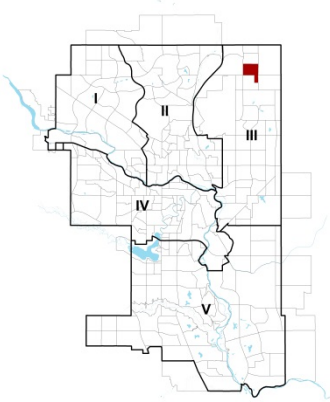
<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>	
<b>New Construction</b>		
<b>Priority C-2 Auburn Bay Middle</b>		
<b>School Community Profile</b>		
<p><b>Auburn Bay Community</b> began development in 2005 and is located in the southeast sector of the City.</p> <ul style="list-style-type: none"> <li>As of the April 2017 Census, the total number of occupied dwelling units was 5,453 with a population of 16,429.</li> <li>The community is planned for an estimated 6,534 housing units with a population capacity of 17,500 – 18,700.</li> <li>The community had an average annual population growth of 1,767 persons during the past three-year period.</li> </ul>		
<b>Enrolment Profile</b>		
<ul style="list-style-type: none"> <li>As of the September 30, 2017, there were 889 kindergarten to Grade 4 and 483 Grades 5-9 students residing in the Auburn Bay community who attended CBE schools.</li> </ul>		
<b>Site Planning and Transportation</b>		
<ul style="list-style-type: none"> <li>Auburn Bay School (K-GR4) opened September 2016. There is one more elementary site and one middle school site in Auburn Bay.</li> <li>Auburn Bay students in GR 5-9 are currently bused to Nickle School, which is located in the Lake Bonavista community in Area 5. Median travel time to Nickle School is 21 minutes.</li> </ul>		
<b>Recommendation</b>		
<ul style="list-style-type: none"> <li>Construct a core middle school for 700 GR 5-9 students complete with space to support a modular addition for 200 students in 8 units. The capacity of the school will be 900 student spaces.</li> <li>The total project cost is budgeted at \$27,860,000, including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>		

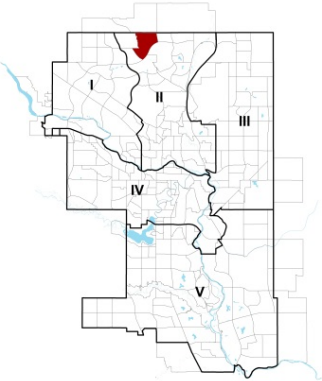
<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-3 North Calgary High</b>	
<b>School Community Profile</b>	
<p><b>The North Calgary High School</b> will serve the residents of the Northern Hills communities and other select communities south of Country Hills Boulevard NW.</p> <ul style="list-style-type: none"> <li>▪ Currently, the north area is served by four high schools consisting of: Crescent Heights (Coventry Hills, Country Hills Village, Hidden Valley), Queen Elizabeth (Country Hills - south) James Fowler (Country Hills - north) and John G. Diefenbaker (Panorama Hills, Harvest Hills).</li> <li>▪</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ There are over 3,600 high school students living in the north sector of Calgary and only one high school located in that sector. John G. Diefenbaker High School has a provincial capacity of 1,480 student spaces and a utilization of 104%.</li> <li>▪ If all high school students living in the north sector were accommodated at John G. Diefenbaker High School, the utilization rate by residence would be 274%.</li> <li>▪ Combined, the Northern Hills communities (Harvest Hills, Country Hills, Country Hills Village, Coventry Hills (north/south), Panorama Hills and Hidden Valley currently have 1,811 students attending four different CBE high schools for Grades 10 - 12. Enrolment from these communities is projected to increase over the next five years.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ A 23.6 acre site in the west portion of Coventry Hills is available for a new senior high school.</li> <li>▪ The bus ride is long for the more than 600 high school students living in Coventry Hills, Country Hills (south), Country Hills Village and Hidden Valley students who are currently designated to Crescent Heights and Queen Elizabeth High schools in the centre sector.</li> <li>▪ Several communities in the north are bused significant distances.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a senior high school for 1,800 Grades 10-12 students.</li> <li>▪ The total project cost is budgeted at \$59,128,000; including the CTS space allowance and an allowance for CTS equipment in the amount of \$400,000.</li> </ul>	

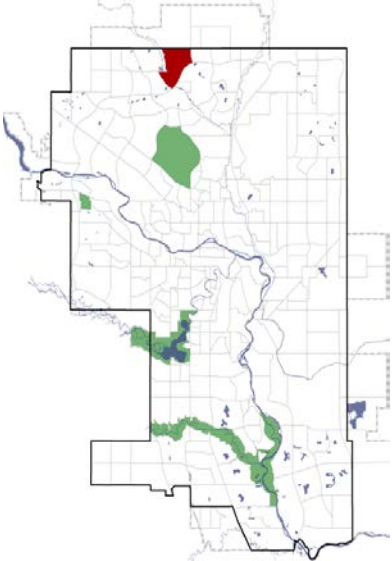


<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-4 Auburn Bay Elementary<sup>(2)</sup></b>	
<b>School Community Profile</b>	
<p><b>Auburn Bay Community</b> began housing construction in 2005 and is located in the southeast sector of the City.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 5,453 with a population of 16,429.</li> <li>▪ The community is planned for an estimated 6,534 housing units with an estimated population capacity of 17,500 to 18,700.</li> <li>▪ The community had an average annual population growth of 1,767 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, there were a total of 2,065 preschool-aged children.</li> <li>▪ As of September 30, 2017, there were 889 kindergarten to Grade 4 students residing in the Auburn Bay community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Auburn Bay Elementary (K-4) opened September 2016. The school is full and starting September 2018, K-4 students who cannot be accommodated at the school will be overflowed to Andrew Sibbald School in Lake Bonavista.</li> <li>▪ There is one more elementary site, which will be used for the second elementary school.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 450 students complete with space to support a modular addition for 150 students in 6 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$14,678,500.</li> </ul>	

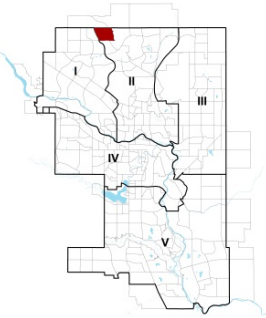
Note: (2) = second elementary school for the community


<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-5 Skyview Ranch Elementary/Middle</b>	
<b>School Community Profile</b>	
<p><b>Skyview Ranch Community</b> began development in 2008 and is located south of 128 Avenue NE, and east of Metis Trail NE.</p> <ul style="list-style-type: none"> <li>As of the April 2017 Census, the total number of occupied dwelling units was 3,330 with a population of 10,043.</li> <li>The community is planned for an estimated 11,127 housing units with a population capacity of 24,900 to 26,700.</li> <li>The community had an average annual population growth of 1,255 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>As of the April 2017 Census, there were a total of 1,018 preschool-aged children.</li> <li>As of September 30, 2017, there were 335 kindergarten to Grade 4 students and 256 Grades 5-9 students residing in the Skyview Ranch community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>Skyview Ranch K-GR6 students are bused to Annie Foote School, which is located in the Temple community and some students in GR5-6 are continuing to phase-out of Rundle School, which is located in the Rundle community. Median travel time to these schools is 20 minutes.</li> <li>Skyview Ranch GR7-9 students are currently bused to Dr. Higgins School, which is located in the Rundle community. Median travel time to Dr. Higgins School is 24 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>Construct a core elementary/middle school for 700 kindergarten – GR 9 students complete with space to support a modular addition for 200 students in 8 units. The capacity of the school will be 900 student spaces.</li> <li>The total project cost is budgeted at \$27,860,000, including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>	

<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-6 Evanston Middle</b>	
<b>School Community Profile</b>	
<p><b>Evanston Community</b> began development in 2002 and is situated in the north sector of the city, north of Stoney Trail and east of Symons Valley Road.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 4,916 with a population of 15,885.</li> <li>▪ The community is planned for an estimated 6,109 housing units with a population capacity of 17,600 to 18,600.</li> <li>▪ The community had an average annual population growth of 1,952 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of September 30, 2017, there were 793 kindergarten to Grade 4 and 497 Grades 5-9 students residing in the Evanston community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Kenneth D. Taylor School (K-GR4) opened September 2016. There is one more elementary site and one middle school site in Evanston.</li> <li>▪ Evanston GR7-9 students are currently bused to Simon Fraser, which is located in the Brentwood community. Median travel time to Simon Fraser School is 21 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core middle school for 700 GR 5-9 students complete with space to support a modular addition for 200 students in 8 units. The capacity of the school will be 900 student spaces.</li> <li>▪ The total project cost is budgeted at \$27,860,000 including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>	

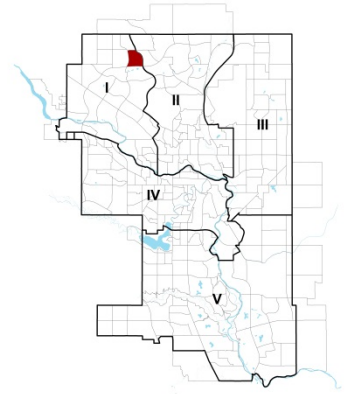
<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-7 Evanston Elementary<sup>(2)</sup></b>	
<b>School Community Profile</b>	
<p><b>Evanston Community</b> began housing construction in 2002 and is located in the southeast sector of the City.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 4,916 with a population of 15,885.</li> <li>▪ The community is planned for an estimated 6,109 housing units with an estimated population capacity of 17,600 to 18,600.</li> <li>▪ The community had an average annual population growth of 1,952 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, there were a total of 1,745 preschool-aged children.</li> <li>▪ As of September 30, 2017, there were 793 kindergarten to Grade 4 students residing in the Evanston community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Kenneth D. Taylor (K-4) opened September 2016. The school is full and starting September 2018, K-4 students who cannot be accommodated at the school will be overflowed to Cambrian Heights School in Cambrian Heights.</li> <li>▪ There is one more elementary site, which will be used for the second elementary school.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 450 students complete with space to support a modular addition for 150 students in 6 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$14,678,500.</li> </ul>	

Note: (2) = second elementary school for the community

<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-8 Sage Hill Elementary</b>	
<b>School Community Profile</b>	
<p><b>Sage Hill Community</b> began development in 2006 and is located in the north sector of the City.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 2,195 with a population of 6,083.</li> <li>▪ The community is planned for an estimated 9,030 housing units with a population capacity of 21,100 – 21,900.</li> <li>▪ The community had an average annual population growth of 728 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, there were a total of 734 preschool-aged children in Sage Hill.</li> <li>▪ As of September 30, 2017, there were 263 kindergarten to Grade 4 students residing in the Sage Hill community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Sage Hill students are currently bused to Hawkwood School, which is located in the Hawkwood community. Median travel time to Hawkwood School is 18 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 450 students complete with space to support a modular addition for 150 students in 6 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$14,678,500.</li> </ul>	

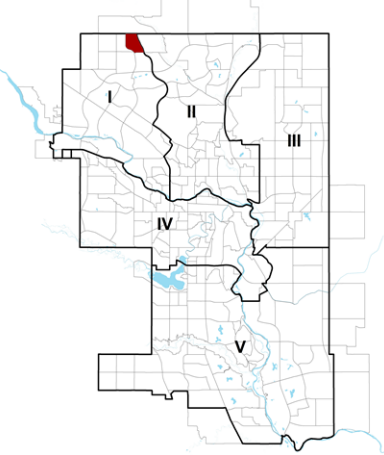
<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-9 Kincora Elementary</b>	
<b>School Community Profile</b>	
<p><b>Kincora Community</b> began development in 2006 and is located north of Stoney Trail and west of Symons Valley Road NW.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 2,065 with a population of 6,363.</li> <li>▪ The community is planned for an estimated 4,415 housing units with a population capacity of 11,100 to 11,600.</li> <li>▪ The community had an average annual population growth of 322 persons during the past three-year period.</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, there were a total of 599 preschool-aged children.</li> <li>▪ As of September 30, 2017, there were 355 kindergarten to Grade 4 students residing in the Kincora community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Kincora students are currently bused to Simons Valley School, which is located in the Sandstone community. Median travel time to Simons Valley is 13 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 450 students complete with space to support a modular addition for 150 students in 6 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$14,678,500.</li> </ul>	

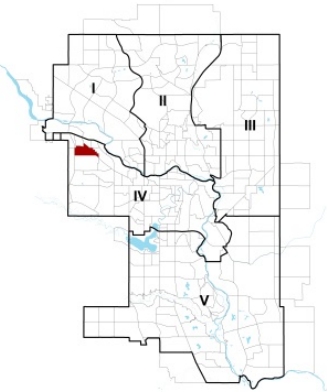
<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New School Construction</b>	
<b>Priority C-10 Sherwood/Nolan Hill Middle</b>	
<b>School Community Profile</b>	
<p><b>Sherwood Community</b> began development in 2006 and is located in the north sector of the City.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 1,584 with a population of 5,312.</li> <li>▪ The community is planned for an estimated 2,130 housing units with an estimated population capacity of 6,400 to 6,500.</li> <li>▪ The community had an average annual population growth of 511 persons during the past three-year period.</li> </ul> <p><b>Nolan Hill Community</b> began development in 2009 and is located in the north sector of the City.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 1,716 with a population of 5,312.</li> <li>▪ The community is planned for an estimated 3,387 housing units with an estimated population capacity of 8,500 to 9,100.</li> <li>▪ The community had an average annual population growth of 1,587 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of September 30, 2017, there were 203 kindergarten to Grade 4 students and there were 260 Grades 5-9 students residing in the Sherwood community who attended CBE schools.</li> <li>▪ As of September 30, 2017, there were 235 kindergarten to Grade 4 students and there were 209 Grades 5-9 students residing in the Nolan Hill community who attended CBE schools.</li> </ul>	



<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New School Construction</b>	
<b>Priority C-10 Sherwood/Nolan Hill Middle</b>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ There is a middle school site in Sherwood which is also intended to serve the community of Nolan Hill.</li> <li>▪ Sherwood and Nolan Hill GR 7-9 students take City Transit to H.D. Cartwright School in the community of Ranchlands, and the median travel time is 21 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a middle school for 700 kindergarten - Grade 9 students complete with space to support a modular addition for 200 students in 8 units. The capacity of the school will be 900 student spaces.</li> <li>▪ The total project cost is budgeted at \$27,860,000, including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>	



<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-11 Nolan Hill Elementary</b>	
<b>School Community Profile</b>	
<p><b>Nolan Hill Community</b> began development in 2009 and is located in the north sector of the City.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units was 1,716 with a population of 5,312.</li> <li>▪ The community is planned for an estimated 3,387 housing units with an estimated population capacity of 8,500 to 9,100.</li> <li>▪ The community had an average annual population growth of 1,587 persons during the past three-year period.</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, there were a total of 623 preschool-aged children.</li> <li>▪ As of September 30, 2017, there were 235 kindergarten to Grade 4 students residing in the Nolan Hill community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Nolan Hill students are currently bused to Ranchlands School, which is located in the Ranchlands community. Median travel time to Ranchlands School is 17 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 450 students complete with space to support a modular addition for 150 students in 6 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$14,678,500.</li> </ul>	

<b>5.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>New School Construction</b>	
<b>Priority C-12 Cougar Ridge Elementary</b>	
<b>School Community Profile</b>	
<ul style="list-style-type: none"> <li>▪ <b>Cougar Ridge Community</b> began development in 2000 and is situated in southwest Calgary, south of Canada Olympic Road SW.</li> <li>▪ As of the April 2017 Census, the total number of occupied dwelling units in Cougar Ridge was 2,178 with a population of 7,072.</li> <li>▪ The community is planned for an estimated 2,640 housing units with an estimated population capacity of 7,100 - 7,900.</li> <li>▪ The community had an average annual population growth of 123 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2017 Census, there were a total of 648 preschool-aged children.</li> <li>▪ As of September 30, 2017, there were 299 kindergarten to Grade 4 students residing in Cougar Ridge who attended CBE Schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ There is one elementary school site in Cougar Ridge.</li> <li>▪ Cougar Ridge students are currently bused to Rosscarrock School, which is located in the Rosscarrock community. Median travel time to Rosscarrock is 13 minutes.</li> </ul>	
<b>Accommodation Planning</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 450 students complete with space to support a modular addition for 150 students in 6 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$14,678,500.</li> </ul>	

6.0	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-1 John G. Diefenbaker High School</b>	
<p>The school's current CTS programs require upgrading to meet current industry and CBE standards.</p> <p>CTS courses are designed to engage students in learning in authentic, relevant and personalized learning environments. Through this approach to learning, students transition from their high school experience more successfully into the world of work or into post-secondary education. Creating these personalized pathways through CTS courses and programs allow students the opportunity to examine their career goals and expand their interests in future success.</p>	
<b>Facility Description</b>	
<p>The original two storey building, complete with gymnasium, partial lower level (walkout) basement, performance space, and mechanical penthouse was constructed in 1971. In 1990, a single storey addition with lower level was added. Additionally, there are four dated modular units located on site. There have been several interior renovations over the years to improve existing spaces.</p> <p>Overall construction comprises a foundation of grade beams and strip footings complete with reinforced concrete slabs on grade. The superstructure consists of both exterior and interior masonry load bearing block, or poured in place walls and columns. Roof structure is steel deck on steel joists on bearing walls. The majority of the roof assembly is a bituminous built-up (BUR) system (last replaced in 1988).</p> <p>The exterior is a combination of red brick, ribbed block, and stucco. Windows are typically double glazed units and aluminum framed. Exterior doors are steel and painted.</p> <p>The total area of the main building is 13876 m<sup>2</sup> consisting of 54 classrooms. The classrooms range in size and have access to natural light.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-1 John G. Diefenbaker High School</b>	
<b>Facility Description (cont'd)</b>	
<p>In 2007, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> <li>▪ Mechanical: requires upgrades (some space temperature controls require repair or replacement; life-cycle issues are soon to be an issue)</li> <li>▪ Electrical: systems require upgrading (review and replace as required all life-cycle components)</li> </ul>	
<b>Modernization</b>	
<p>Due to the age and condition of the building components, a modernization will improve functionality, security, safety and will upgrade building infrastructure. There is a need to modernize instructional spaces in order to enhance the learning environment. This modernization will focus on upgrading CTS space throughout the school, and will include partial upgrading of the building envelope, mechanical and electrical systems, and replacement of worn architectural finishes and fixtures.</p> <p>This project will include a library to Learning Commons conversion, bringing the school into alignment with 21<sup>st</sup> century learning. Additional project items include building and code upgrades (sprinkler system), hazardous material abatement and addressing all gender washrooms and barrier-free accessibility. The total project cost is estimated to be \$27 million.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-2 Nickle School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>Nickle School is located in southeast Calgary in the community of Lake Bonavista, which is an established community in the south planning sector.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> Nickle School currently accommodates the Regular program for Grades 5-9 students living in Bonavista Downs and Lake Bonavista and students from the community of Auburn Bay.</li> <li>▪ <b>System Classes</b> Nickle School currently accommodates Bridges and Learning and Literacy classes.</li> </ul> <p>The long-term student accommodation plan for Nickle School is to accommodate students from their home area and students residing in new and developing communities in either the south or southeast planning sector. This school has been identified as one that is required by the CBE to accommodate students into the future. It is anticipated that enrolment will be at or near capacity.</p>	
<b>Facility Description</b>	
<p>The original school building was completed in 1970 with masonry and steel construction. The two additions were built in 1976 and 1985.</p> <p>The total area of the building is 6,951 m<sup>2</sup> consisting of 26 classrooms plus three portables for instruction. The classrooms range in size and have minimum access to natural light. The mechanical and electrical systems have exceeded their lifecycle expectancy and need upgrading or replacement.</p> <p>In 2007, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> <li>▪ Replace parts of roof that have not already been replaced</li> <li>▪ Replace damaged caulking around perimeter</li> <li>▪ Incorporate barrier-free items where applicable (i.e., automatic door openers)</li> <li>▪ Mechanical features need upgrading (i.e., hot water tanks, exhaust fans, sprinklers)</li> <li>▪ Upgrade various electrical various components, i.e., lights, exit signs, etc.</li> </ul>	
<b>Modernization</b>	
<p>A scope for modernization improvements is required due to the age and condition of the building components. The modernization would replace some of mechanical systems and damaged lockers, upgrade electrical system, finishes and millwork, reconfigure internal spaces, and renovate washrooms. The addition of mechanical control system and start/stop automation is recommended. Barrier-free accessibility, all gender washrooms, exiting and code upgrades (sprinkler system) would be addressed as well. The scope of this modernization strategy also includes upgrading of all the interior program spaces, and a library to Learning Commons conversion. The total project cost is estimated to be \$14 million.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-3 Ernest Morrow School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>Ernest Morrow School is located in southeast Calgary in the community of Forest Heights which is an established community in the east planning sector.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> Ernest Morrow School currently accommodates the regular program for Grades 6-9 students living in Applewood, Forest Heights, Forest Lawn, Penbrooke Meadows and the area north of 17 Ave. S.E. and east of 52 St. S.E.</li> <li>▪ <b>System Classes</b> Ernest Morrow School currently accommodates students in LEAD and Paced Learning Program classes.</li> </ul> <p>The long-term student accommodation plan for Ernest Morrow is to accommodate students from the home area in the regular program. This school has been identified as one that is required by the CBE to accommodate students into the future.</p>	
<b>Facility Description</b>	
<p>The single-storey building was originally constructed in two parts, linked via a corridor. The first part was constructed in 1964, the second in 1966, and the corridor in 1976. The foundation consists of slab-on-grade floors on strip footings. The superstructure comprises concrete block walls and suspended concrete floors over the gymnasium. The roof structure consists of glulam beams complete with a bituminous membrane (SBS) system. The building is clad in brick and pre-finished metal siding. Many classrooms have access to natural light. The total area of the building is 8,120m<sup>2</sup> consisting of 67 classrooms for instruction.</p> <p>In 2011, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> <li>▪ Exterior: requires upgrades (painting, roof maintenance, etc.)</li> <li>▪ Interior: requires upgrading (concrete floors in boiler room, barrier free features)</li> <li>▪ Mechanical: systems require upgrading (chimney, roof drains, dampers, exhaust fans, etc.)</li> <li>▪ Electrical: systems require upgrading (light fixtures, emergency lighting system)</li> </ul>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-3 Ernest Morrow School</b>	
<b>Modernization</b>	
<p>The modernization will improve functionality, security and safety and will upgrade building infrastructure. The modernization includes upgrades of major mechanical and minor electrical systems upgrade and envelope upgrades (roof, windows and foundation repair). All worn finishes (flooring, ceilings, and paint) and worn fixtures will be replaced. Washroom upgrades and millwork replacement are part of the work.</p> <p>Instructional space upgrades are part of the modernization including a library to Learning Commons conversion and CTS upgrades. This modernization will address acoustic, barrier-free accessibility issues and security concerns. Site circulation/parking issues need to be addressed to ensure safety of staff and students accessing the site.</p> <p>An estimate cost of the modernization is \$16 million.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-4 A.E. Cross School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>A.E. Cross School is located in southwest Calgary in the community of Glenbrook, which is an established community in the west planning sector.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> A.E. Cross School currently accommodates the Regular program for Grades 7-9 students living in Glenbrook, Glamorgan, Killarney, Glengarry, Lincoln Park, Richmond, CFB Lincoln Park/Garrison Green, and Rutland Park. Students residing in Signal Hill are also currently designated to A.E. Cross School for Grades 7-9.</li> <li>▪ <b>Spanish Bilingual</b> Starting in 2017, A.E. Cross will begin accommodating Grade 7 students and the program will expand by a grade each year until it reaches Grade 9.</li> <li>▪ <b>System Classes</b> A.E. Cross School accommodates Paced Learning and Learning and Literacy classes for Area 6 students.</li> </ul> <p>The long-term student accommodation plan for A.E. Cross School is to accommodate students from their home area and to continue to accommodate students residing in new and developing communities in southwest Calgary and expand to Grades 7-9 for Spanish Bilingual students. This school has been identified as one that is required by the CBE to accommodate students into the future. It is anticipated that enrolment will be at or near capacity. A.E. Cross School also currently accommodates the Area 7 office.</p>	
<b>Facility Description</b>	
<p>The original building was built in 1961 with a major two-storey addition added in 1966. The building has a masonry and steel construction, wood-roof deck with masonry and curtain wall exterior. A modernization took place in 1983. The gross building area is 9,064 m<sup>2</sup> consisting of 36 classrooms, with the majority of the classrooms being slightly smaller than current standards. The provincial capacity of A.E. Cross School has been set at 878 student spaces. The gym, library, and administration space are typical size for a school of this capacity. The ancillary spaces are quite large compared to a classroom.</p> <p>The structure is considered to be in acceptable condition. Many of the classrooms have good natural lighting. Most of the building exterior is finished with low maintenance materials; however, the wood portions of the exterior are in need of maintenance. Floors are generally in acceptable condition with some needing repair/replacement.</p>	



<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-4 A.E. Cross School</b>	
<b>Facility Description (cont'd)</b>	
<p>In 2015, Alberta Infrastructure evaluated school facilities through VFA (formerly RECAPP) and rated the overall condition of the facility as being in acceptable condition. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> <li>▪ Exterior: minor upgrades/repairs required (caulking, etc.)</li> <li>▪ Interior: requires upgrading (worn and aging finishes)</li> <li>▪ Mechanical: aging systems (50+years old) require replacement (HVAC system: steam boilers, ventilation, etc.)</li> <li>▪ Electrical: systems require upgrading (expand current circuit system)</li> </ul>	
<b>Modernization</b>	
<p>The modernization will address replacement of major mechanical systems and electrical upgrades to improve thermal comfort and energy efficiency, and provide additional power and data outlets to address technology needs. The scope will include replacement of old and worn finishes and fixtures (e.g., vinyl-asbestos-tile flooring, wood flooring, and lockers), door and hardware replacement, and washroom upgrades. The modernization will include select program space renovations, library to Learning Commons conversion, hazardous material abatement, and building code and accessibility upgrades. The proposed project will modernize the whole facility and enhance the teaching environment. The total project cost is estimated to be \$18 million.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-5 Janet Johnstone School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>Janet Johnstone School is located in southwest Calgary in the community of Shawnessy, which is in the south planning sector.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> Janet Johnstone School currently accommodates kindergarten to Grade 4 students living in Shawnessy, Millrise and Shawnee Slopes.</li> <li>▪ <b>French Immersion</b> Janet Johnstone School accommodates kindergarten to Grade 4 French Immersion students from the communities of Evergreen, Millrise, Shawnee Slopes, Bridlewood, Shawnessy, Somerset and Silverado.</li> </ul> <p>The long-term student accommodation plan for Janet Johnstone School is to accommodate students in regular and/or alternative programs. This school has been identified as one that is required by the CBE to accommodate students into the future. It is anticipated that the school will operate at or near capacity.</p>	
<b>Facility Description</b>	
<p>The one-storey building with a mezzanine was constructed in 1982 with a steel frame on a concrete foundation. The total area of the building is 3203.5 m<sup>2</sup> consisting of 12 core classrooms and 8 portable classrooms for instruction. The classrooms are slightly under current standards and have good natural light.</p> <p>In 2012, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation made this recommendation:</p> <ul style="list-style-type: none"> <li>▪ Exterior: requires upgrades and replacement (metal siding, joint sealers, doors, windows, roof, skylights etc.)</li> <li>▪ Interior: requires upgrading (paint, flooring, ceiling tiles, barrier free features, , replace room divider panels, lockers, toilet partitions, white boards and tack boards, millwork)</li> <li>▪ Mechanical: systems require upgrading (controls system, fixtures, valves, replace hot water heater, boilers, HVAC upgrade, exhaust fans, etc.)</li> <li>▪ Electrical: systems require upgrading (main electrical switchboard, circuit panels and motors, light fixtures, fire alarm panel, emergency lighting and life safety devices)</li> </ul>	
<b>Modernization</b>	
<p>The modernization would upgrade the entire mechanical and electrical systems as noted above in the facility description. The project would also upgrade building code deficiencies to add barrier-free accessibility, all gender washrooms and a library to Learning Commons conversion. The modernization includes replacement of worn architectural finishes, fixtures and millwork. The total project cost is estimated to be \$8.7 million.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-6 Annie Foote School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>Annie Foote School is located in northeast Calgary in the community of Temple, which is an established community in the northeast planning sector.</p> <ul style="list-style-type: none"> <li>▪ Regular Program <p>Annie Foote School currently accommodates kindergarten to Grade 6 students living in Temple. The school also accommodates kindergarten to Grade 6 students from the new and developing community of Skyview Ranch.</p> <p>The long-term student accommodation plan for Annie Foote School is to accommodate students in regular and/or alternative programs. This school has been identified as one that is required by the CBE to accommodate students into the future. It is anticipated that the school will operate at or near capacity.</p> </li> </ul>	
<b>Facility Description</b>	
<p>The single storey brick building was constructed in 1980 with a total gross floor area of 3904 m<sup>2</sup>. The Provincial capacity is 473 students from pre-school through Grade 6. There are 9 relocatable classrooms with a total area of 841.5 m<sup>2</sup>, located on the northwest side of the original building. Eight of those classrooms were installed in 1980, with the 2 blocks of 4 separated by an outdoor courtyard. The final relocatable classroom was attached to the north of the east wing later.</p> <p>In 2012, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> <li>▪ Exterior: requires upgrades (replace wood soffit and windows, etc.)</li> <li>▪ Interior: requires upgrading (painting, barrier free features, seal all fire separation penetrations, replace gym divider and damaged doors, white boards)</li> <li>▪ Mechanical: systems require upgrading (controls system, replace water heater, condensing unit, air handling unit, etc.)</li> <li>▪ Electrical: systems require upgrading (light fixtures, fire alarm panel, emergency lighting and life safety devices)</li> </ul>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-6 Annie Foote School</b>	
<b>Modernization</b>	
<p>The modernization will improve functionality, security, safety and will upgrade building infrastructure. The modernization includes upgrades of major mechanical and minor electrical systems upgrade and envelope upgrades (roof, windows and foundation repair). All worn finishes (flooring, ceilings, and paint) and worn fixtures will be replaced. Washroom upgrades and millwork replacement are part of the work. Code upgrades will be included in the modernization.</p> <p>Instructional space upgrades are part of the modernization including a library to Learning Commons conversion. This modernization will address acoustic, barrier-free accessibility issues, all gender washrooms and security concerns. Site circulation/parking issues need to be addressed to ensure safety of staff and students accessing the site.</p> <p>An estimate cost of the modernization is \$10.4 million.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-7 Cedarbrae School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>Cedarbrae School is located in southwest Calgary in the community of Cedarbrae, which is an established community in the south planning sector.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> - Cedarbrae School currently accommodates kindergarten to Grade 6 students living in Cedarbrae.</li> </ul> <p>The long-term student accommodation plan for Cedarbrae School is to accommodate students in regular and/or alternative programs. This school has been identified as one that is required by the CBE to accommodate students into the future. It is anticipated that the school will operate at or near capacity.</p>	
<b>Facility Description</b>	
<p>The single-storey building was constructed in 1976 complete with concrete footings and foundational walls. The structure comprises slab-on-grade floors, steel frame with masonry columns, open web steel joist and metal roof deck.</p> <p>The original built-up-roof (BUR) roof was replaced with SBS roofing in 2011. The building is clad brick and stucco, pre-finished metal flashing, with cladding below windows. Many classrooms have access to natural light. The total area of the building is 2,852 m<sup>2</sup> consisting of 11 classrooms for instruction.</p> <p>In 2012, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition with the exception of the electrical systems which were marginal. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> <li>▪ Exterior: requires upgrades (replace windows, skylights, doors, roof access door, stucco/wood soffits and metal siding; seals around openings and control joints, fix water leaks in basement.</li> <li>▪ Interior: requires upgrading (finishes, millwork, window coverings refinish wood floor, replace folding/accordion partition doors, white/tack boards, toilet partitions, acoustic wall panels)</li> <li>▪ Mechanical: requires upgrading (replace control valves, DHW tank+pumps, fixtures, boilers, chimney, condensing unit, AHU, HW distribution system, fans, humidifiers, fin tube radiation system, and controls system.</li> <li>▪ Electrical: systems require upgrading (light fixtures, Main MDP &amp; breaker panel boards, motor controls, speaker system, security system including panel).</li> </ul>	
<b>Modernization</b>	
<p>The modernization will improve functionality, security, safety and will upgrade building infrastructure. The modernization includes upgrades of mechanical and electrical systems upgrade and envelope upgrades (windows, doors and walls). All worn finishes (flooring, ceilings, and paint) and worn fixtures will be replaced. Washroom upgrades and millwork replacement are part of the work. Code upgrades will be included in the modernization.</p> <p>Instructional space upgrades are part of the modernization including a library to Learning Commons conversion. This modernization will address acoustic, barrier-free accessibility issues, all gender washrooms and security concerns.</p> <p>An estimate cost of the modernization is \$7.8 million.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-8 Altadore School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>Altadore School is located in southwest Calgary in the community of Altadore which is in the inner city in the Centre planning sector.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> - Altadore School currently accommodates the Regular program for kindergarten to Grade 6 students living in Altadore which includes Garrison Woods.</li> </ul> <p>The long-term student accommodation plan for Altadore School is to accommodate students from Altadore (including Garrison Woods). Garrison Woods is part of the Canada Lands redevelopment of the old Canadian Forces Base (CFB). This school has been identified as one that is required by the CBE to accommodate students into the future. It is anticipated that enrolment will be at or near capacity.</p>	
<b>Facility Description</b>	
<p>The one-storey building was constructed in 1952 with a wood frame on a concrete foundation. The school was renovated in 2002 with new exterior cladding, windows, doors, skylights and roof. A barrier-free washroom was provided in 2002; however, the remainder of the school requires barrier-free renovations. The total area of the building is 2,737 m<sup>2</sup> consisting of 14 classrooms for instruction. Most of the classrooms are similar to current standards and have good natural light.</p> <p>In 2010, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation made this recommendation:</p> <p>Mechanical: systems require upgrading (hot water tanks, boiler, ventilators, etc.)</p>	
<b>Modernization</b>	
<p>The modernization would upgrade the entire mechanical systems: replace hot water tanks, steam boilers, breeching, steam piping, controls, exhaust fans, radiation system, and unit ventilators. Electrical upgrades would consist of cabling and electrical wiring upgrades. The project would also upgrade building code deficiencies (including sprinkler systems) with full barrier-free accessibility, and a library to Learning Commons conversion and all gender washrooms. The total project cost is estimated to be \$7.8 million.</p>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-9 Ranchlands School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>Ranchlands School is located in northwest Calgary in the community of Ranchlands, which is an established community in the northwest planning sector.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> Ranchlands School currently accommodates kindergarten to Grade 6 students living in Ranchlands. The school is also a bus receiver school for students living in the new and developing communities of Sherwood and Nolan Hill.</li> <li>▪ <b>Complex Learning Classes</b> Ranchlands School accommodates PLP (Paced Learning Program) classes. PLP classes are classes for students in Grades 4-12 who have been identified with mild or moderate cognitive (intellectual) development disabilities.</li> </ul> <p>The long-term student accommodation plan for Ranchlands School is to accommodate students in regular and/or alternative programs. This school has been identified as one that is required by the CBE to accommodate students into the future. It is anticipated that the school will operate at or near capacity.</p>	
<b>Facility Description</b>	
<p>The permanent 2-storey building was constructed in 1980. Eight relocatables (4 two-storey blocks) were included as part of the original construction.</p> <p>The core building construction includes concrete footings and grade beams, load-bearing masonry perimeter and interior walls and open webbed steel joists and metal Q-deck. Boiler room is below-grade. The total area of the building is 4,285 m<sup>2</sup> consisting of 11 classrooms and 8 relocatable classrooms for instruction. Core floor area is 3,476 m<sup>2</sup> with a relocatable area of 809 m<sup>2</sup>.</p> <p>In 2013, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation made the following recommendations that would need to be addressed as the building passes its 35 year:</p> <ul style="list-style-type: none"> <li>▪ Exterior: requires upgrades (envelope restoration, repoint mortar joints, replace metal siding, joint sealer, windows, doors, gutters &amp; downspouts, skylights.)</li> <li>▪ Interior: requires upgrading (replace folding partitions, flooring, acoustic panels, ceiling tiles, elevator and lift, white/tack boards, toilet partitions, paint walls, fire stop penetrations through walls, millwork , window coverings)</li> <li>▪ Mechanical: requires upgrades (replace fixtures, valves, DHW Heater, boilers, chimney, condensing and air distribution units, HW distribution unit, exhaust fans, finned tube radiation units, upgrade BAS controls)</li> <li>▪ Electrical: systems require upgrading (replace light fixtures, emergency/fire and security systems, switch and panel boards, motor controls, speaker system).</li> </ul>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-9 Ranchlands School</b>	
<b>Modernization</b>	
<p>The modernization will improve functionality, security, safety and will upgrade building infrastructure. The modernization includes upgrades of mechanical and electrical systems and envelope upgrades (windows, doors and walls). All worn finishes (flooring, ceilings, and paint) and worn fixtures will be replaced. Washroom upgrades and millwork replacement are part of the work.</p> <p>Instructional space upgrades are part of the modernization including a library to Learning Commons conversion. This modernization will address acoustic, barrier-free accessibility issues, code issues, all gender washrooms and security concerns.</p> <p>An estimate cost of the modernization is \$11.7 million.</p>	



<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-10 Queen Elizabeth School</b>	
<b>Current and Future Student Accommodation Plan</b>	
<p>Queen Elizabeth School is located in north central Calgary in the community of West Hillhurst, which is an established community in the Centre planning sector.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> Queen Elizabeth School currently accommodates kindergarten to Grade 6 students living in West Hillhurst and a portion of Hillhurst.</li> <li>▪ <b>Complex Learning Classes</b> Queen Elizabeth School has accommodated DHH (Deaf and Hard of Hearing) classes for several years. These classes will be relocating to Jennie Elliott School effective September 2018. The DHH classes are for students with a diagnosis of hearing loss.</li> </ul> <p>The long-term student accommodation plan for Queen Elizabeth School is to accommodate students in regular and/or alternative programs. This school has been identified as one that is required by the CBE to accommodate students into the future. It is anticipated that the school will operate at or near capacity.</p>	
<b>Facility Description</b>	
<p>The two-storey brick veneer building with partial basement was constructed in 1957. Structurally the building consists of poured concrete foundation walls, footings and slabs-on-grade, the crawl space &amp; basement walls consist of masonry block or concrete assembly. The second floor has a poured concrete floor supported by masonry block walls, concrete columns and steel columns. Structural reinforced concrete block walls support the roof assembly. Open web steel joists support wood decking over second floor classrooms and gymnasium. The total area of the building is 3,197 m<sup>2</sup> consisting of 14 classrooms for instruction.</p> <p>In 2009, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition, except the electrical systems that are in marginal condition. The evaluation made the following recommendations:</p> <ul style="list-style-type: none"> <li>▪ Exterior: requires upgrades (replace metal siding, reseal all joints, seal exposed concrete, replace wood windows and shading devices, skylights, partial roof replacement, pave parking lot,)</li> <li>▪ Interior: requires upgrading (refinish wood doors, replace toilet partitions, worn stair surfaces, handrails, wall panelling and tile, flooring, acoustic panelling, and ceiling tiles, millwork, window coverings, elevator)</li> <li>▪ Mechanical: requires upgrades (replace fixtures, valves, steam boilers and entire steam distribution system, chimney, exhaust fans, gym HVAC unit, controls system)</li> <li>▪ Electrical: systems require upgrading (light fixtures and switches, panel boards, motor controls, branch wiring, emergency lighting, fire alarm and security system, speaker system).</li> </ul>	

<b>6.0</b>	<b>2019-2022 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-10 Queen Elizabeth School</b>	
<b>Modernization</b>	
<p>The modernization will improve functionality, security, safety and will upgrade building infrastructure. The modernization includes upgrades of mechanical and electrical systems upgrade and envelope upgrades (windows, doors and walls). All worn finishes (flooring, ceilings, and paint) and worn fixtures will be replaced. Washroom upgrades and millwork replacement are part of the work.</p> <p>Instructional space upgrades are part of the modernization including a library to Learning Commons conversion. This modernization will address acoustic, barrier-free accessibility issues including an elevator, all gender washroom and security concerns and code upgrades (including a sprinkler system).</p> <p>An estimate cost of the modernization is \$8.7 million.</p>	

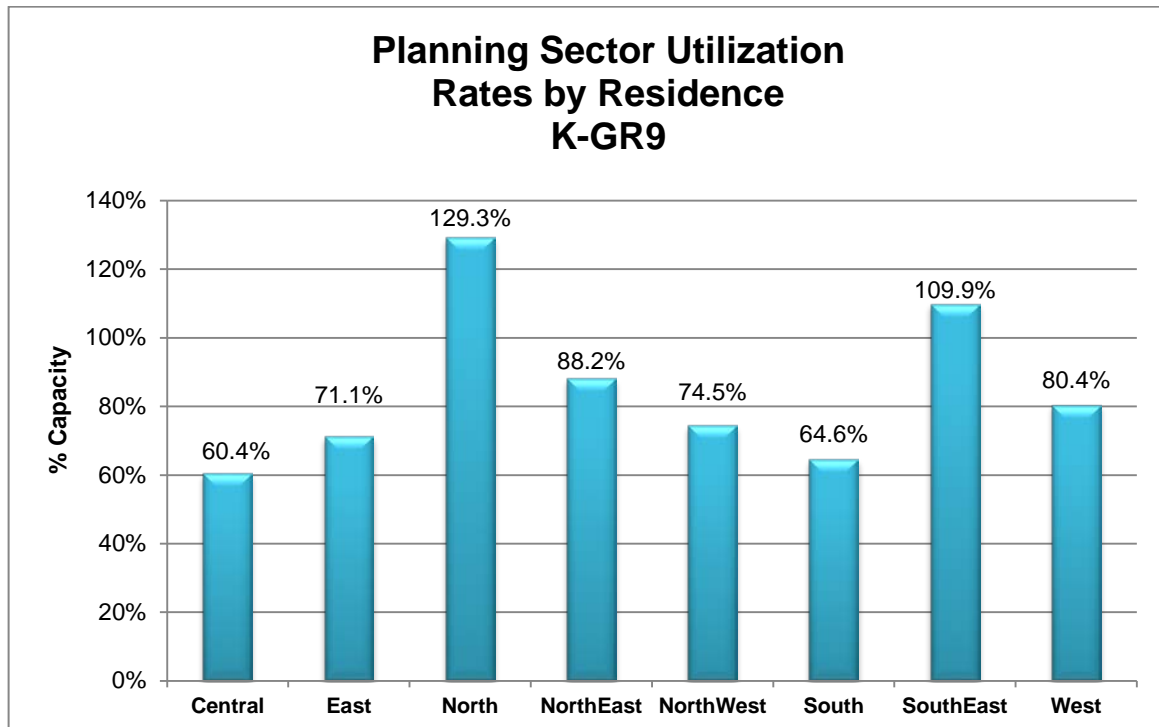
## Capacity and Utilization

Table 1: Capacity for K-GR9 by Residence (%)

K-GR9 Students by Residence 2017-2018			
Planning Sector	Elementary/Junior High Students	Elementary/Junior High Capacity	% Utilization
Centre	8,752	14,491	60.4%
East	4,260	5,988	71.1%
North	13,530	10,467	129.3%
NorthEast	16,446	18,644	88.2%
NorthWest	13,978	18,753	74.5%
South	15,706	24,329	64.6%
SouthEast	10,080	9,172	109.9%
West	8,668	10,784	80.4%
<b>Total</b>	<b>91,420</b>	<b>112,628</b>	<b>81.2%</b>

**Notes:**

- Student numbers are based on ArcView data as at September 30, 2017 (K@FTE to Grade 9)
- Capacity as per Alberta Infrastructure's Utilization Formula (assuming exemptions)
- Under-utilized and over-utilized are shown on **Map 7**

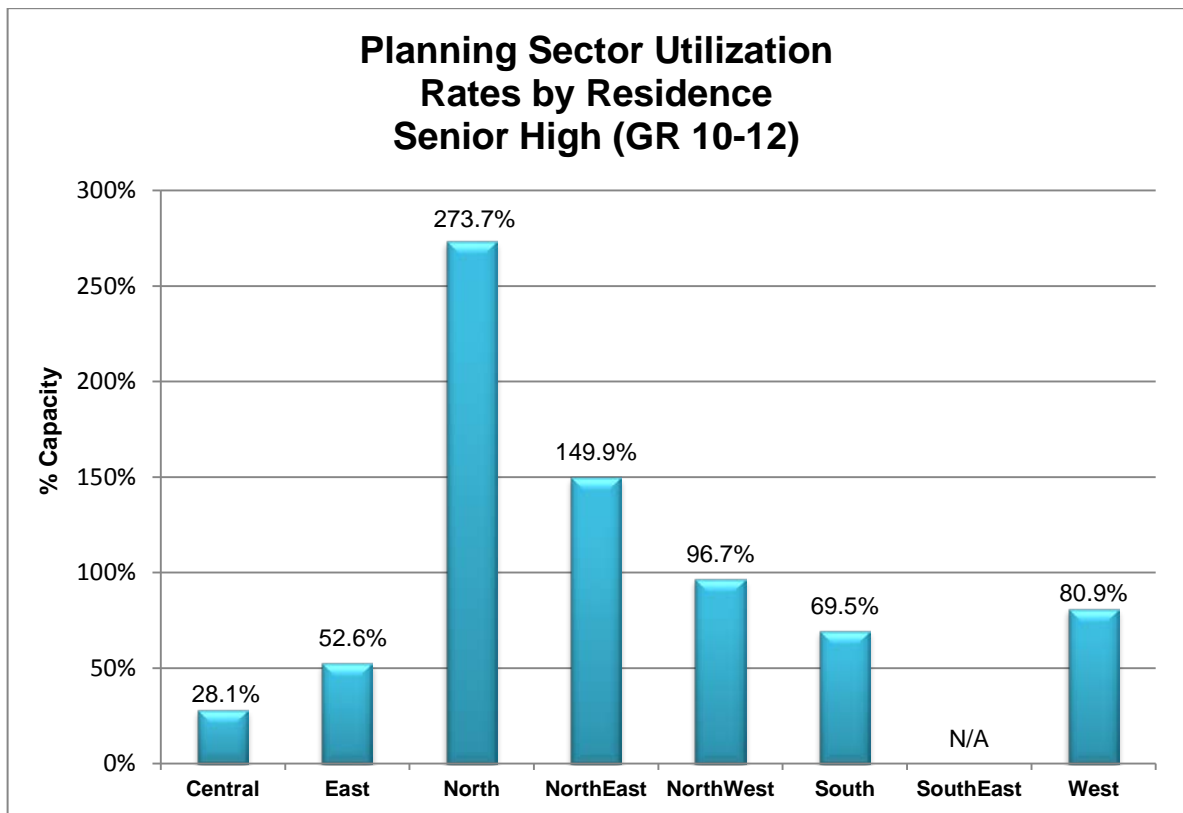


**Table 2: Capacity by Residence Senior High (%)**

Senior High (GR10-12) Students by Residence 2017-2018			
Planning Sector	Senior High Students	Senior High Capacity	% Utilization
Centre	2,624	9,343	28.1%
East	1,509	2,871	52.6%
North	4,051	1,480	273.7%
NorthEast	5,275	3,520	149.9%
NorthWest	5,010	5,181	96.7%
South	5,539	7,969	69.5%
SouthEast	2,661	0	N/A
West	2,966	3,664	80.9%
<b>Total</b>	<b>29,635</b>	<b>34,028</b>	<b>87.1%</b>

**Notes:**

- Student numbers are based on ArcView data as at September 30, 2017
- Capacity as per Alberta Infrastructure's Utilization Formula (assuming exemptions)
- Under-utilized and over-utilized are shown on **Map 8**.

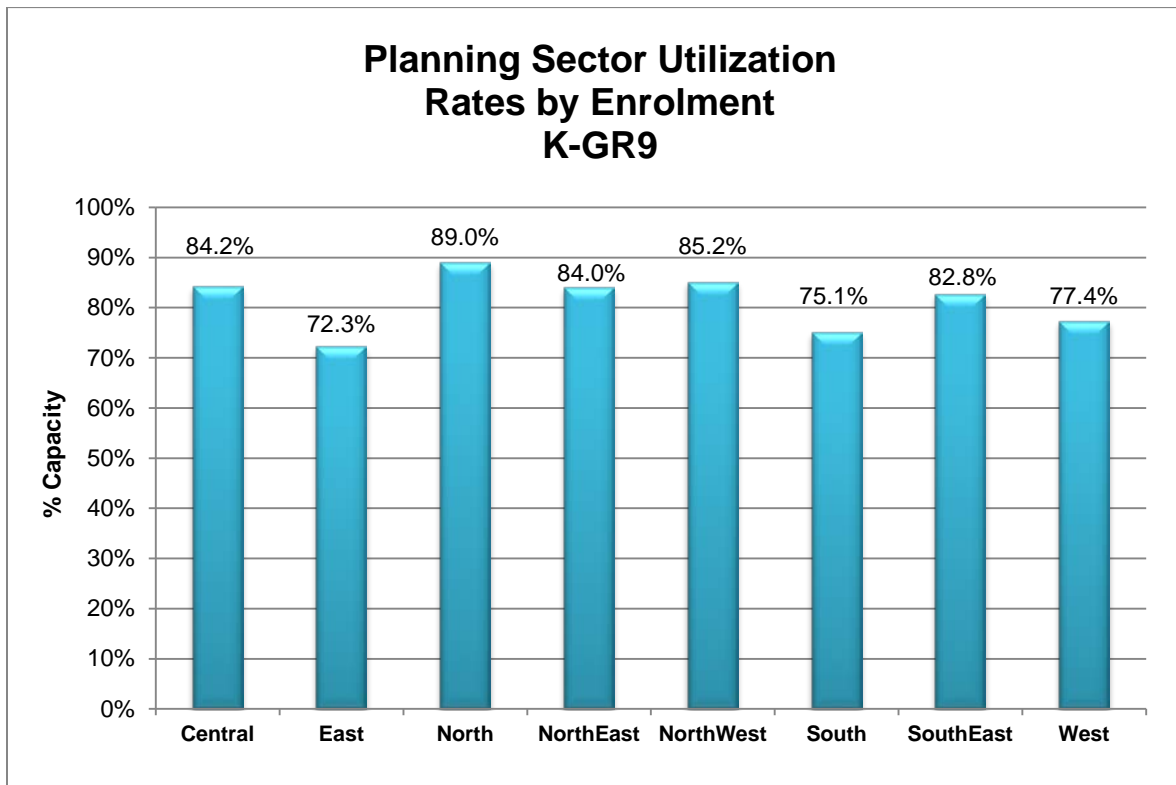


**Table 3: % Capacity for K-GR9 by Enrolment**

K-GR9 Students by Enrolment 2017-2018			
Planning Sector	Elementary/Junior High Students	Elementary/Junior High Capacity	% Utilization
Centre	12,205	14,491	84.2%
East	4,329	5,988	72.3%
North	9,315	10,467	89.0%
NorthEast	15,659	18,644	84.0%
NorthWest	15,971	18,753	85.2%
South	18,283	24,329	75.1%
SouthEast	7,590	9,172	82.8%
West	8,346	10,784	77.4%
<b>Total</b>	<b>91,698</b>	<b>112,628</b>	<b>81.4%</b>

**Notes:**

- Student numbers are based on ArcView data as at September 30, 2017 (K@FTE to Grade 9)
- Capacity as per Alberta Infrastructure's Utilization Formula (assuming exemptions)

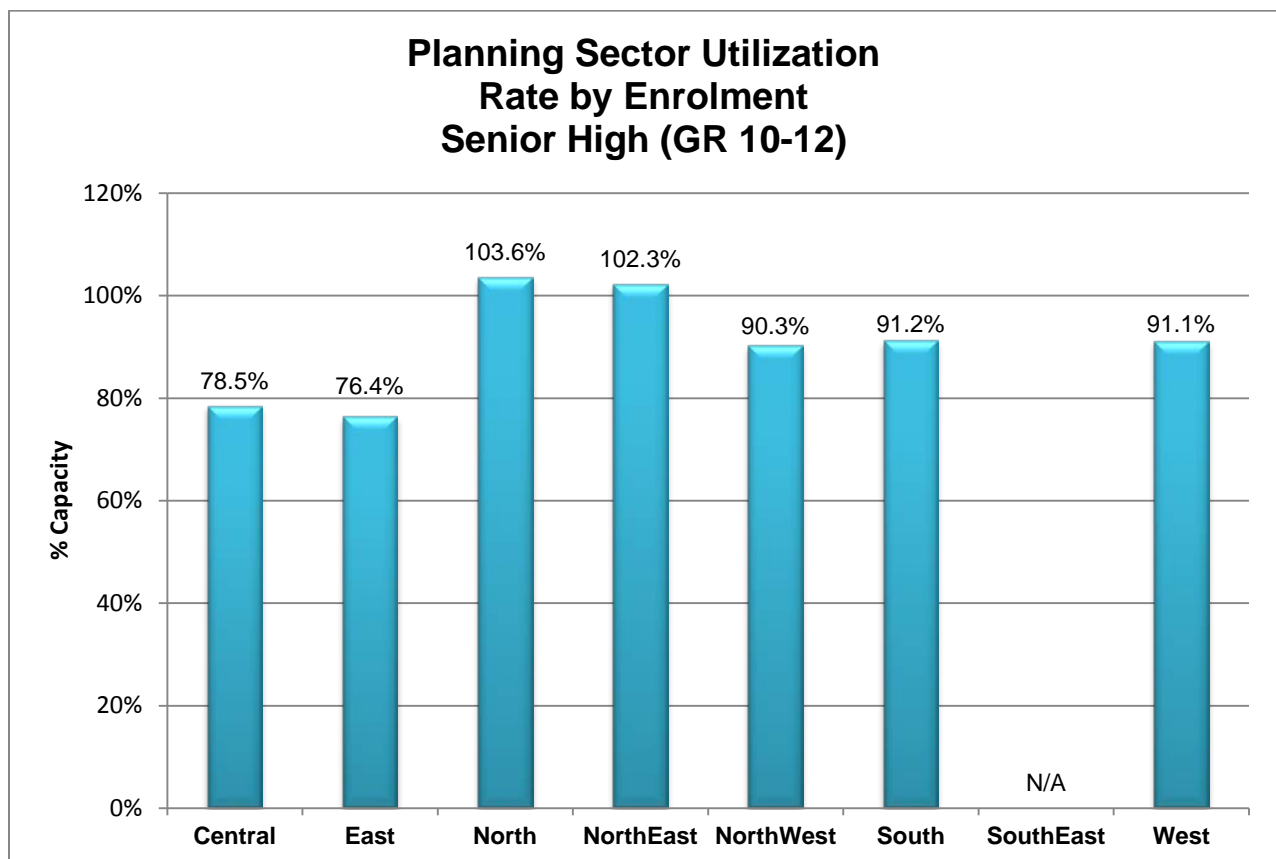


**Table 4: % Capacity by Enrolment – Senior High**

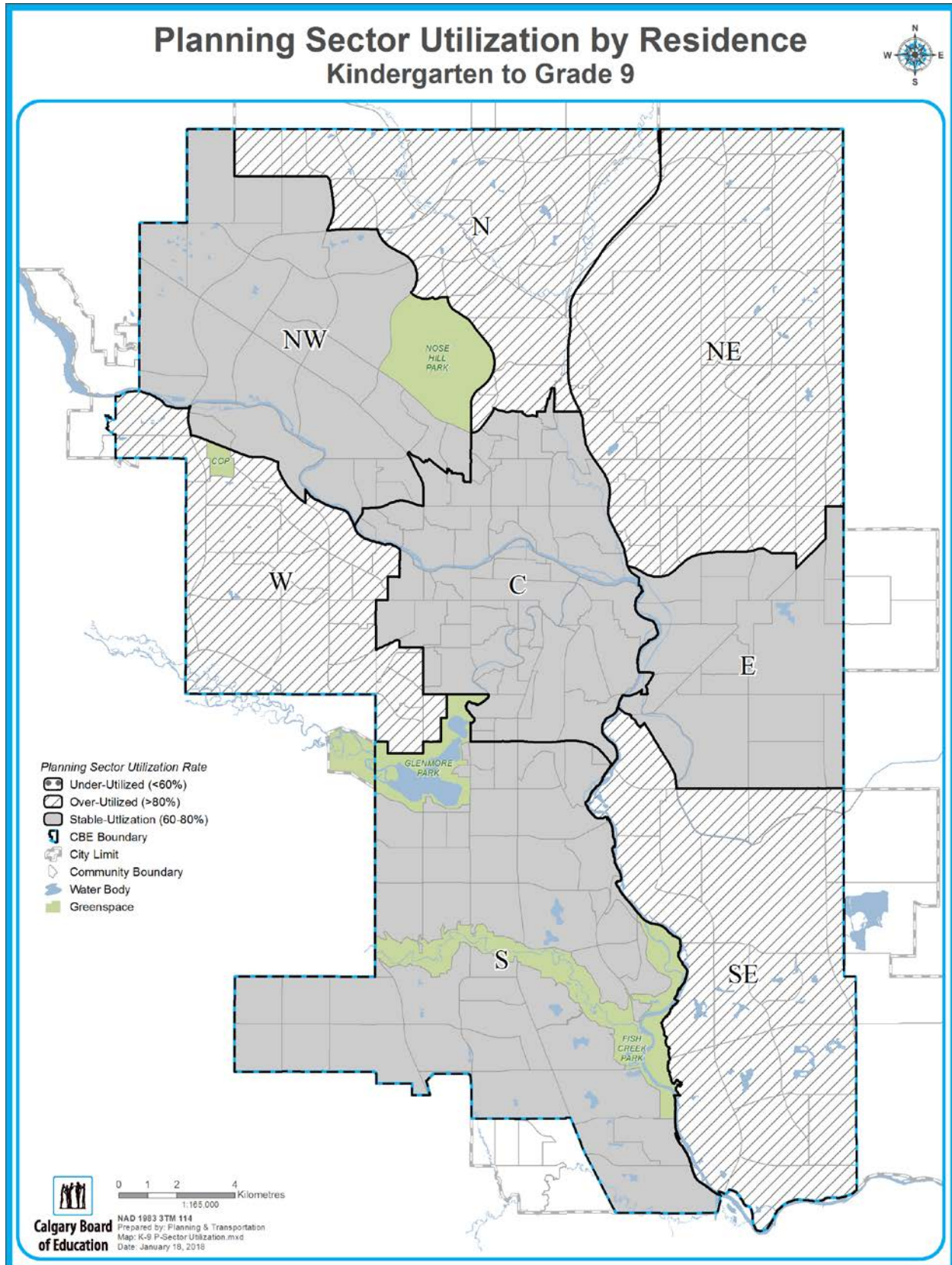
Senior High (GR10-12) Students by Enrolment 2017-2018			
Planning Sector	Senior High Students	Senior High Capacity	% Utilization
Centre	7,334	9,343	78.5%
East	2,193	2,871	76.4%
North	1,533	1,480	103.6%
NorthEast	3,601	3,520	102.3%
NorthWest	4,679	5,181	90.3%
South	7,268	7,969	91.2%
SouthEast	0	0	N/A
West	3,339	3,664	91.1%
<b>Total</b>	<b>29,947</b>	<b>34,028</b>	<b>88.0%</b>

**Notes:**

- Student numbers are based on ArcView data as at September 30, 2017
- Capacity as per Alberta Infrastructure's Utilization Formula (assuming exemptions)

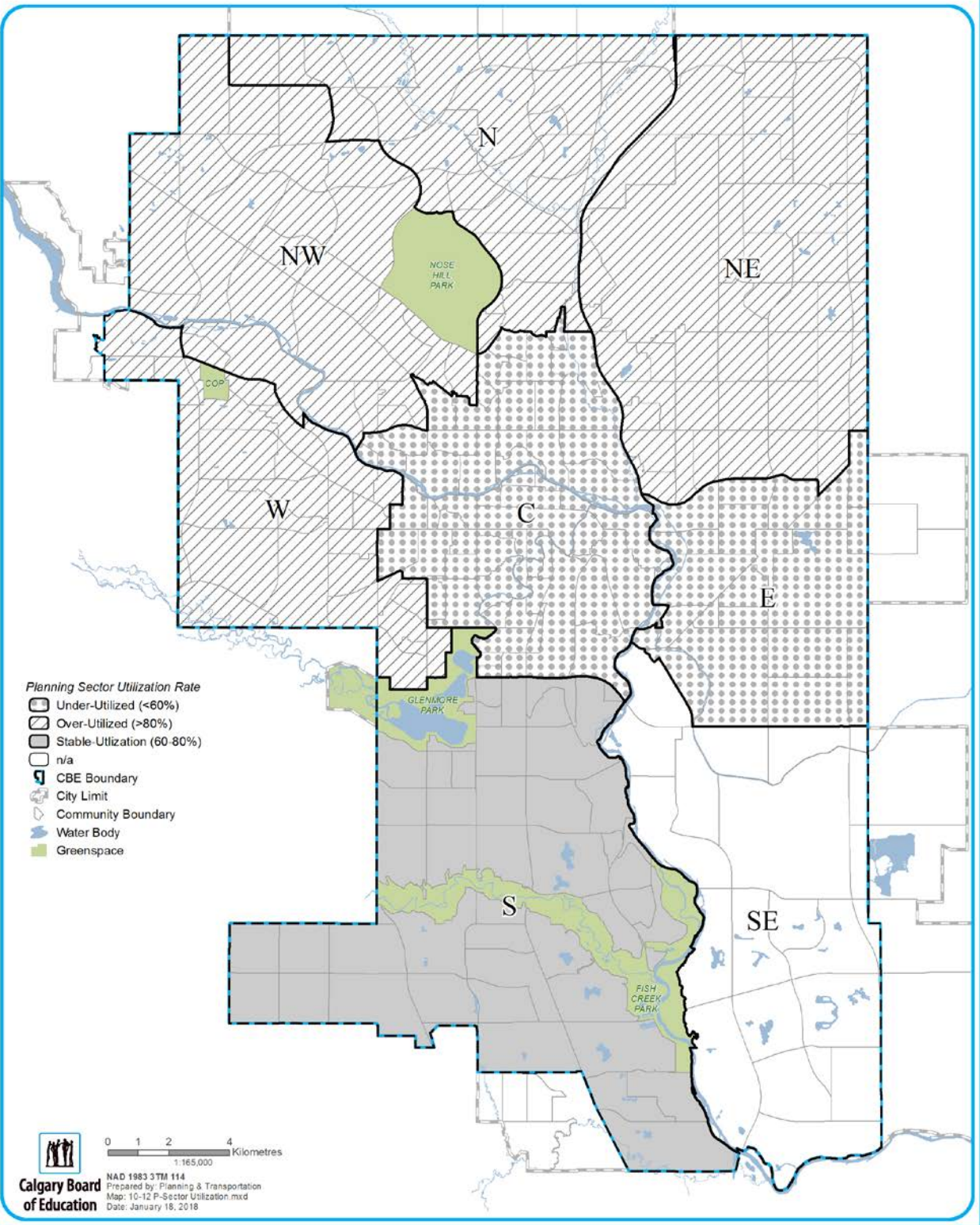


Map 7



# Map 8

## Planning Sector Utilization by Residence Grades 10 to 12





**APPENDIX II**

**Modernization Information**

Rank	Modernization	Points	Planning Sector	Grade
1	John G. Diefenbaker High School	78	North	10-12
2	Nickle School	59	South	5-9
3	Ernest Morrow School	53	East	6-9
4	A.E. Cross School	51	West	7-9
5	Janet Johnstone School	46	South	K-4
6	Annie Foote School	40	Northeast	K-6
7	Cedarbrae School	47	South	K-6
8	Altadore School	43	Centre	K-6
9	Ranchlands School	44	Northwest	K-6
10	Queen Elizabeth School	38	Centre	K-6

**Major Modernization Ranking Points  
2019-2022 Capital Submission**

School	Programming Requirements	5 Year Projected Enrolment	Quality of Site to Serve Students	Ability to Upgrade	Facility Maintenance Based on RECAPP adjusted for time	Total Points
John G. Diefenbaker High School	35	10	4	9	20	78
Nickle School	10	10	7	12	20	59
Ernest Morrow School	10	10	3	10	20	53
A.E. Cross School	10	6	6	9	20	51
Janet Johnstone School	-	10	4	12	20	46
Annie Foote School	-	10	4	11	15	40
Cedarbrae School	-	10	4	13	20	47
Altadore School	-	10	4	9	20	43
Ranchlands School	-	10	3	11	20	44
Queen Elizabeth School	-	10	6	7	15	38

## MAJOR MODERNIZATION RANKING CRITERIA

<b>Programming requirements (maximum number of points = 35)</b>	<b>Points</b>
Superintendent's Team to identify and prioritize modernization projects that are required to meet CBE system programming priorities	35
<b>5 Year projected enrolment (maximum number of points = 10)</b>	
Projected utilization is less than 79%	0
Projected utilization is between 80 to 84%	2
Projected utilization is between 85 to 89%	4
Projected utilization is between 90 to 94%	6
Projected utilization is between 95 to 99%	8
Projected utilization is greater than 100%	10
<b>Quality of site location to serve students (maximum number of points = 10)</b>	
Usable frontages	2
Site location	2
Site constraint factors	2
Grand-fathered clauses	2
Ability to adjust/reconfigure site	2
<i><a href="#">Ranking Range for this category: 0 (difficult to upgrade) to 2 (very easy to upgrade)</a></i>	
<b>Ability to upgrade in terms of teaching environment and minimizing costs (maximum number of points = 20)</b>	
Structural characteristics - post tension slabs	2
Barrier free accessibility (e.g. # of levels, space for washrooms, ramps and elevators)	2
Services available - age, capacity	2
Mechanical systems - age, capacity	2
Electrical systems - age, capacity	2
Sprinkler system required (size of water lines)	2
Washroom count - capacity cap	2
Program space - (e.g. size of classrooms, CTS spaces)	2
Parking (bylaw compliant) - ability to expand	2
Hazardous material-abatement	2
<i><a href="#">Ranking Range for this category: 0 (difficult to upgrade) to 2 (very easy to upgrade)</a></i>	
<b>Facility Maintenance based on Provincial RECAPP (maximum number of points = 25)</b>	
Excellent	5
Very Good	10
Good	15
Fair	20
Poor	25

*[Note: the higher the number, the poorer the facility](#)*

## Community Ranking for New Schools

Rank	Community	Points	Planning Sector	Grade
1	Auburn Bay Elementary <sup>(2)</sup>	1866	SE	K-4
2	Mahogany Elementary	1499	SE	K-4
3	Auburn Bay Middle	1492	SE	5-9
4	Evanston Elementary <sup>(2)</sup>	1480	N	K-4
5	Skyview Ranch Elementary**	1473	NE	K-4
6	Evanston Middle	1420	N	5-9
7	Sage Hill Elementary	1117	N	K-4
8	Kincora Elementary	1074	N	K-4
9	Sherwood/Nolan Hill Middle	1037	N	5-9
10	Nolan Hill Elementary	978	N	K-4
11	Cougar Ridge Elementary	977	W	K-4
12	Country Hills/Harvest Hills Elementary**	927	N	K-4
13	Signal Hill Middle	863	W	5-9
14	Aspen Woods Middle	745	W	5-9
15	Sherwood Elementary	714	N	K-4
16	Walden Elementary	707	S	K-4
17	Skyview Ranch Middle**	701	NE	5-9
18	Valley Ridge/Crestmont Elementary	638	W	K-4
19	Country Hills/Harvest Hills Middle**	607	N	5-9
20	Redstone Elementary	600	NE	K-4
21	Cityscape/Redstone Middle	599	NE	5-9
22	Silverado Middle	592	S	5-9
23	Legacy Elementary	587	S	K-4
24	Sage Hill Middle	509	N	5-9
25	Cityscape Elementary	508	NE	K-4
26	Walden Middle	390	S	5-9
27	Legacy Middle	261	S	5-9

Notes: <sup>(2)</sup> Indicates second K-4 school

\*\* Combined Country Hills/Harvest Hills and Skyview Ranch into K-9 grade configuration

(Communities under consideration for a K-GR9 school are assessed through both the K-GR4 and GR5-9 point assessment process. The priority order is determined by the highest number of points in either of these two categories not by the combined number of points)

## K-GR4 Statistics 2019-2022 Capital Submission

Community	Community Growth Profile (statistics)				Busing and Travel Time (statistics)			Existing K-GR4 School Awarded in Phases or Design Only School Approved
	2017 Total Pre-school Census	Elementary (K-GR4) Enrolment	Projected Population Growth by Sector (%)	Ratio of K-GR4 CBE Enrolment to # of Housing Units in Community (%)	Median Travel Time (minutes)	Direct Distance Travelled (km's)	More than one Bus Receiver within two school years	
<b>North Planning Sector</b>								
Country Hills / Harvest Hills	571	296	25	8	17	4	no	no
*Evanston <sup>(2)</sup>	*1156	*204	25	16	nbr	nbr	yes	no
Kincora	599	355	25	17	13	3	yes	no
Nolan Hill	623	235	25	14	17	6	yes	no
Sage Hill	734	263	25	12	18	6	yes	no
Sherwood	391	203	25	13	16	5	yes	no
<b>Northeast Planning Sector</b>								
Cityscape	272	116	23	17	19	8	yes	no
Redstone	309	151	23	16	20	11	yes	no
Skyview Ranch	1018	335	23	10	20	8	yes	no
<b>South Planning Sector</b>								
Legacy	408	119	20	8	21	8	no	no
Walden	417	190	20	12	12	4	yes	no
<b>Southeast Planning Sector</b>								
*Auburn Bay <sup>(2)</sup>	*1461	*285	27	16	nbr	nbr	yes	no
Mahogany	1095	314	27	11	24	11	no	no
<b>West Planning Sector</b>								
Cougar Ridge	648	299	4	14	13	6	no	no
Valley Ridge / Crestmont	418	190	4	8	16	3	no	no

Notes: 1. Pre-school Census is the "Total" number of pre-school children 2012-2016. (Statistics from the City of Calgary "Pre-School Children 2017").

2. School<sup>(2)</sup> = the community has a new school constructed or approved and can support a second K-GR4 school.

3. Housing Units information from The City of Calgary "2017 Civic Census".

4. Median Travel Time – "nbr" no bus receiver for that community.

5. More than one bus receiver school required for established grade configuration within two school years.

(examples include, but are not limited to K-GR4 and GR5-9 or K-GR6 and GR7-9)

(Busing and Travel Time information as per Transportation Services)

\*Evanston<sup>(2)</sup> – deducted 589 (current provincial capacity) from pre-school (1745-589=1156) total & K-GR4 (793-589=204) total, as it would be their second elementary.

\*Auburn Bay<sup>(2)</sup> – deducted 604 (current provincial capacity) from pre-school (2065-604=1461) total & K-GR4 (889-604=285) total, as it would be their second elementary.

## K-GR4 Ranking Points 2019-2022 Capital Submission

Community	Community Growth Profile (points)			Busing and Travel Time (points)			
	2017 Total Pre-school Census	Elementary (K-GR4) Enrolment	Projected Population Growth / K-GR4 Enrolment to Housing Units	Median Travel Time / Direct Distance Travelled	More than one Bus Receiver within two school years	Existing K-GR4 School Awarded in Phases or Design Only School Approved	Total Points
<b>North Planning Sector</b>							
Country Hills/Harvest Hills	571	296	50	10	0	0	927
Evanston <sup>(2)</sup>	1156	204	70	0	50	0	1480
Kincora	599	355	70	0	50	0	1074
Nolan Hill	623	235	60	10	50	0	978
Sage Hill	734	263	60	10	50	0	1117
Sherwood	391	203	60	10	50	0	714
<b>Northeast Planning Sector</b>							
Cityscape	272	116	60	10	50	0	508
Redstone	309	151	60	30	50	0	600
Skyview Ranch	1018	335	50	20	50	0	1473
<b>South Planning Sector</b>							
Legacy	408	119	40	20	0	0	587
Walden	417	190	50	0	50	0	707
<b>Southeast Planning Sector</b>							
Auburn Bay <sup>(2)</sup>	1461	285	70	0	50	0	1866
Mahogany	1095	314	60	30	0	0	1499
<b>West Planning Sector</b>							
Cougar Ridge	648	299	30	0	0	0	977
Valley Ridge/Crestmont	418	190	20	10	0	0	638

- Notes:
- 0 points in Community Growth Profile = 0 points in Busing and Travel Time.
  - Pre-school Census includes "Total" number of pre-school children 2012-2016. (Statistics from the City of Calgary "Pre-School Children 2017").
  - Communities that have a new school constructed or approved and can only support one K-GR4 school are not ranked.
  - School <sup>(2)</sup> = the community has a new school constructed or approved and can support a second K-GR4 school. For communities that already have an elementary school, their current provincial capacity is deducted from their Pre-School and K-GR4 enrolments.
  - Bus Receivers – More than one bus receiver school required for established grade configuration within two school years (examples include, but are not limited to K-GR4 and GR5-9 or K-GR6 and GR7-9).

## Middle/Junior (Grades 5-9) Statistics 2019-2022 Capital Submission

	Community Growth Profile (statistics)				Busing and Travel Time (statistics)			Accommodation Plan	
	Elementary (K-GR4) Enrolment	Middle (GR 5-9) Enrolment	Projected Population Growth by Sector (%)	Ratio of GR5-9 CBE Enrolment to # of Housing Units in Community (%)	Median Travel Time (minutes)	Direct Distance Travelled (km's)	More than one Bus Receiver within two school years	Existing K-GR4 or Design Only School Approved or in Existence	Greater Than Two Transition Points
<b>North Planning Sector</b>									
Country Hills/ Harvest Hills	296	251	25	6	19	7	no	no	no
Evanston	793	497	25	10	21	8	no	yes	no
Sage Hill	263	166	25	8	26	9	no	no	no
Sherwood/ Nolan Hill	438	469	25	14	*21	6	yes	no	no
<b>Northeast Planning Sector</b>									
Cityscape/Redstone	267	202	23	12	24	10	yes	no	no
Skyview Ranch	335	256	23	8	24	9	yes	no	no
<b>South Planning Sector</b>									
Legacy	119	92	20	6	18	9	no	no	no
Silverado	290	192	20	8	21	8	no	yes	no
Walden	190	150	20	10	6	4	no	no	no
<b>Southeast Planning Sector</b>									
Auburn Bay	889	483	27	9	21	9	no	yes	no
<b>West Planning Sector</b>									
Aspen Woods	383	282	4	10	11	4	no	yes	no
Signal Hill	427	366	4	7	14	2	no	yes	no

- Notes:
1. Housing information from The City of Calgary "2017 Civic Census".
  2. Bus Receivers - More than one bus receiver school required for established grade configuration within two school years. (examples include, but are not limited to K-GR4 and GR5-9 or K-GR6 and GR7-9). (Busing and Travel Time information as per Transportation Services)

\* City Transit

**Middle/Junior (Grades 5-9) Ranking Points  
2019-2022 Capital Submission**

Community	Community Growth Profile (points)			Busing and Travel Time (points)		Accommodation Plan (points)		Total Points
	Elementary (K-GR4) Enrolment	Middle (GR 5-9) Enrolment	Projected Population Growth / GR5-9 Enrolment to Housing Units	Median Travel Time / Direct Distance Travelled	Greater than one Bus Receiver within two school years	Existing K-GR4 or Design Only School Approved or in Existence	Greater Than Two Transition Points	
<b>North Planning Sector</b>								
Country Hills/ Harvest Hills	296	251	50	10	0	0	0	607
Evanston	793	497	60	20	0	50	0	1420
Sage Hill	263	166	50	30	0	0	0	509
Sherwood/Nolan Hill	438	469	60	20	50	0	0	1037
<b>Northeast Planning Sector</b>								
Cityscape/Redstone	267	202	50	30	50	0	0	599
Skyview Ranch	335	256	40	20	50	0	0	701
<b>South Planning Sector</b>								
Legacy	119	92	40	10	0	0	0	261
Silverado	290	192	40	20	0	50	0	592
Walden	190	150	50	0	0	0	0	390
<b>Southeast Planning Sector</b>								
Auburn Bay	889	483	50	20	0	50	0	1492
<b>West Planning Sector</b>								
Aspen Woods	383	282	30	0	0	50	0	745
Signal Hill	427	366	20	0	0	50	0	863

- Notes:
1. 0 points in Community Growth Profile = 0 points in Busing and Travel Time.
  2. Bus Receivers – More than one bus receiver school required for established grade configuration within two years. (examples include, but are not limited to K-GR4 and GR5-9 or K-GR6 and GR7-9).

## CBE Point Assignments

Kindergarten - Grade 4						
<b>Pre-school Census (Age 1-5)</b>						
Pre-school Census (Age 1-5)*					Actual Value	
<i>* Prepared by the City of Calgary annually</i>						
<b>Current K-GR4 Enrolment</b>						
Current K-GR4 Enrolment - September 30, 2017 enrolment					Actual Value	
<b>Projected Population / Ratio of Enrolment to Housing Units</b>						
<b>Ratio of K-GR4 Enrolment to # of Housing Units in Community (%)</b> <b>(September 30th of each year)</b>						
	≤4%	5 to 9%	10 to 14%	15 to 19%	20 to 24%	≥25 %
<b>Projected 5 Year Sector Population Growth (%)**</b>						
Less than 5%	10 points	20 points	30 points	40 points	50 points	60 points
5 to 14%	20 points	30 points	40 points	50 points	60 points	70 points
15 to 24%	30 points	40 points	50 points	60 points	70 points	80 points
Greater than 25 %	40 points	50 points	60 points	70 points	80 points	90 points
<i>** Based on City of Calgary Suburban Residential Growth (Prepared Annually)</i>						
<b>Median Travel Time / Distance Travelled</b>						
	<b>Distance Travelled (km's)*</b>					
	≤9	10 to 14	15 to 19	20 to 24	≥25	
<b>Median Travel Time</b>						
15-19 minutes	10 points	20 points	30 points	40 points	50 points	
20-24 minutes	20 points	30 points	40 points	50 points	60 points	
25-29 minutes	30 points	40 points	50 points	60 points	70 points	
30-34 minutes	40 points	50 points	60 points	70 points	80 points	
35-39 minutes	50 points	60 points	70 points	80 points	90 points	
≥40 minutes	60 points	70 points	80 points	90 points	100 points	
<i>* Distance travelled calculated using ARCGIS to determine "centre" of the community to bus receiver school</i>						
<b>Other Considerations:</b>						
Bus Receiver - Elementary						
More than one bus receiver school required for established grade configuration within two school years (examples include but are not limited to K-GR4 and GR5-9 or K-GR6 and GR7-9)					50 points	
Existing K-GR4 School or Design Only School approved or in existence					50 points	
Notes:						
1. If a community already has a school or a design only school, the capacity of the school will be subtracted from the number of students enrolled in the CBE.						
2. When there is a design only school in a community, an exception to the standard ranking methodology will be made.						

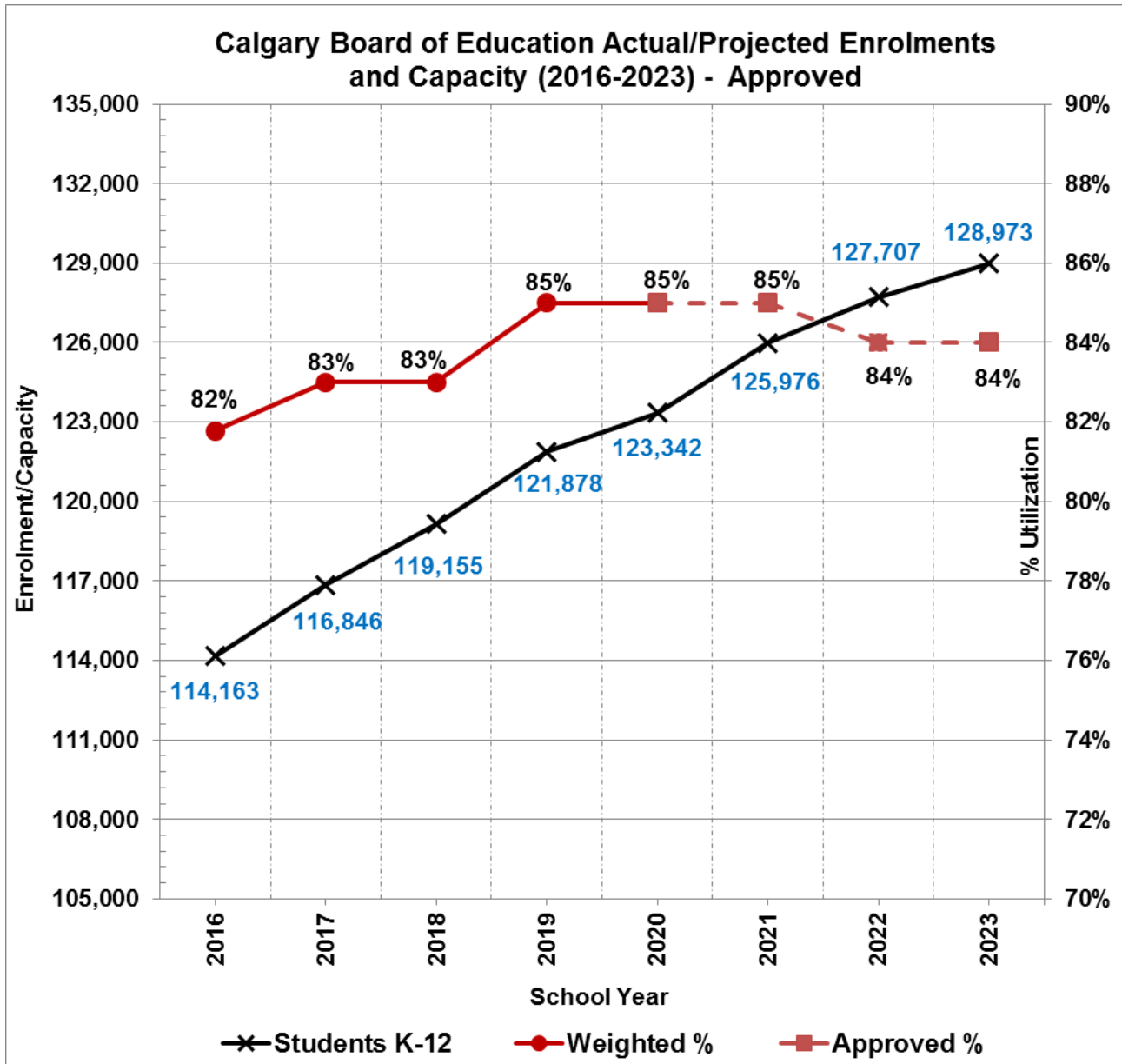


## CBE Point Assignments

Middle (Grade 5-9)						
<b>K-GR4 Enrolment</b>						
Current K-GR4 Enrolment - September 30, 2017 enrolment					Actual Value	
<b>GR5-9 Enrolment</b>						
Current GR5-9 Enrolment - September 30, 2017 enrolment					Actual Value	
<b>Projected Population / Ratio of Enrolment to Housing Units</b>						
<b>Ratio of GR5-9 Enrolment to # of Housing Units in Community (%)</b> (September 30th of each year)						
	≤4%	5 to 9%	10 to 14%	15 to 19%	20 to 24%	≥25 %
<b>Projected 5 Year Sector Population Growth (%)*</b>						
Less than 5%	10 points	20 points	30 points	40 points	50 points	60 points
5 to 14%	20 points	30 points	40 points	50 points	60 points	70 points
15 to 24%	30 points	40 points	50 points	60 points	70 points	80 points
Greater than 25 %	40 points	50 points	60 points	70 points	80 points	90 points
<i>* Based on City of Calgary Suburban Residential Growth (Prepared Annually)</i>						
<b>Median Travel Time / Distance Travelled</b>						
<b>Distance Travelled (km's)**</b>						
	≤9	10 to 14	15 to 19	20 to 24	≥25	
<b>Median Travel Time</b>						
15-19 minutes	10 points	20 points	30 points	40 points	50 points	
20-24 minutes	20 points	30 points	40 points	50 points	60 points	
25-29 minutes	30 points	40 points	50 points	60 points	70 points	
30-34 minutes	40 points	50 points	60 points	70 points	80 points	
35-39 minutes	50 points	60 points	70 points	80 points	90 points	
≥40 minutes	60 points	70 points	80 points	90 points	100 points	
<i>** Distance travelled calculated using GIS to determine "centre" of the community to bus receiver school</i>						
<b>Other Considerations:</b>						
Bus Receiver More than one bus receiver school required for established grade configuration within two years (examples include but are not limited to K-GR4 and GR5-9 or K-GR6 and GR7-9)					50 points	
Existing K-GR4 School or Design Only School approved or in existence					50 points	
Greater than 2 Transition Points (K-GR9)					50 points	
Notes:						
1. If a community already has a school or a design only school, the capacity of the school will be subtracted from the number of students enrolled in the CBE.						
2. When there is a design only school in a community, an exception to the standard ranking methodology will be made.						

CBE System Utilization

**CBE SYSTEM UTILIZATION – (2016 – 2023)**  
**K-GR12**



Note: Assumes all schools approved in 2019-2022 Plan

### CBE Definitions

<b>Additions/Expansions:</b>	Changes the gross area of building
<b>CTS:</b>	Career and Technology Studies
<b>Modernization:</b>	Supports modernization of a building
<b>Provincial Net Capacity:</b>	Determined by dividing the total instructional area by an area per student grid based on their grade configuration (as per Alberta Education/Alberta Infrastructure’s School Capital Manual), plus CTS, gym and library space.
<b>RECAPP:</b>	Renewal Capital Asset Planning Process
<b>School Community</b>	Attendance Area Boundary

### CBE Formulas

<b>Utilization Rate</b>	= $\frac{\text{Weighted enrolment [K@FTE + enrolment + (Special Ed. } \times 3)]}{\text{Provincial capacity (student spaces)}}$
<b>Weighted Enrolment</b>	= (Total kindergarten divided by 2 [K@FTE]) + Grades 1-12 enrolment + (Special Education at 3:1)

### Alberta Education/Alberta Infrastructure School Capital Manual Definitions

<b>Area Capacity and Utilization Report</b>	A report from Infrastructure that provides total capacity and utilization rates for a jurisdiction and its school facilities.
<b>Barrier-Free</b>	The <i>Alberta Building Code</i> defines the requirements to ensure that a school facility can accommodate people with special needs.
<b>Capacity</b>	The capacity of a new school and the method by which it is established as approved by Infrastructure. Records of capacity for all Alberta schools are maintained by Infrastructure and reflect the capacity established at the time of construction, minus any exclusions or exemptions subsequently approved by Infrastructure.
<b>Capital Funding</b>	Funding provided to school jurisdictions for school building projects in accordance with Education’s approved budget schedule.
<b>Code Requirements</b>	The minimum requirements for construction defined by the <i>Alberta Building Code</i> and those standards referenced in the <i>Code</i> .
<b>Core School</b>	A school building that is constructed with a permanent core and can be expanded or contracted by the addition or removal of modular classrooms.
<b>Facilities Plan</b>	A general or broad plan for facilities and facility development within a school jurisdiction.

<b>Facility Evaluation</b>	Assessment of facility characteristics, which includes site, architectural and engineering components, maintenance planning, safety, space adequacy and environment protection, to determine the ability of the building to accommodate current and future needs.
<b>Full-time Equivalent Occupancy</b>	Is used as a measurement of space utilization. Enrolment is calculated on the number of student spaces occupied throughout the school day. Part time student use is expressed in terms of full-time equivalent students (FTEs).
<b>Furniture &amp; Equipment</b>	Includes basic furnishings such as desks, seating, storage cabinets, tables and fixtures that are normally provided under a contract separate from the general construction contract.
<b>Infrastructure Maintenance and Renewal (IMR) program</b>	Provides funding to (a) replace building and site components which have failed and pose health and safety problems for students and staff, (b) extend the useful life of school facilities and sites and (c) maintain the quality of the school environment.
<b>Instructional Area</b>	Those areas of a school building that are designated for purposes of instruction, examinations and other student activities where direct or indirect student-teacher interaction is maintained or scheduled. Also included are storage areas considered directly related to various instructional areas (i.e. gym storage, drama storage and science preparation areas).
<b>Inventory of Space</b>	A listing of a school jurisdiction's owned or leased facilities, which include facility area and usage.
<b>Life Cycle Costing</b>	Process that examines all costs associated with a facility project for the extent of its lifetime.
<b>Modernization Project</b>	The restoration of an entire or a portion of a school facility to improve its functional adequacy and suitability for present and future educational programs.
<b>Modular Classroom</b>	Prototypical portable classroom units built at a central location and transported to schools across Alberta. These units are based on specifications that ensure significantly improved heating and ventilation, soundproofing, resistance to mould, cost of serviceability and several other factors that differentiate them from the older portables that are also part of schools across the province. The Government of Alberta's goal is to eventually replace all the older portables with the prototypical Modular Classrooms.
<b>New Capacity</b>	In the event that a new construction project adjusts the capacity rating, a new capacity will be incorporated to reconcile the school jurisdiction's total capacity one year after the date of Ministerial approval of the tender or alternate to tender scheme of construction.
<b>Right-Sizing</b>	Reduction in capacity of an existing school to provide a more efficient use of the facility due to declining enrolments.
<b>School Building Project</b>	Means (i) the purchase, erection, relocation, renovation, furnishing or quipping of, (ii) making of structural changes in, (iii) the addition to or extension of a school building, or (iv) the building of access roads or site preparation for a school building.

**Site Development**

Provision of utility services, access, location of buildings, playfields and landscaping.

**Utilization Ratio**

The ratio determined by dividing a jurisdiction's total FTE student enrolment by its net capacity.