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# Three-Year School Capital Plan



**2016 – 2019**



**Calgary Board  
of Education**

**March 17, 2015**



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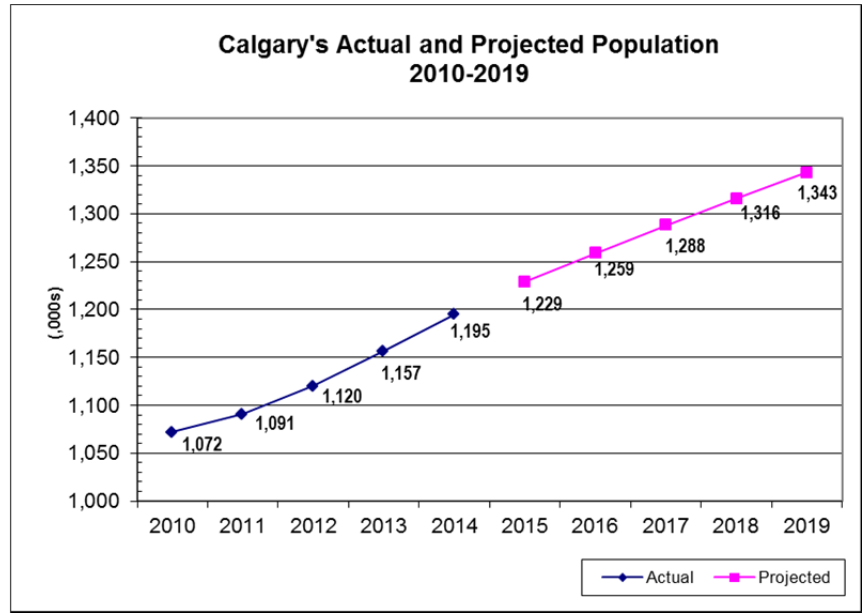


## EXECUTIVE SUMMARY

This Three-Year School Capital Plan 2016-2019 is an analysis of the Calgary Board of Education (CBE's) forecasted school capital needs, as assessed at the present time.

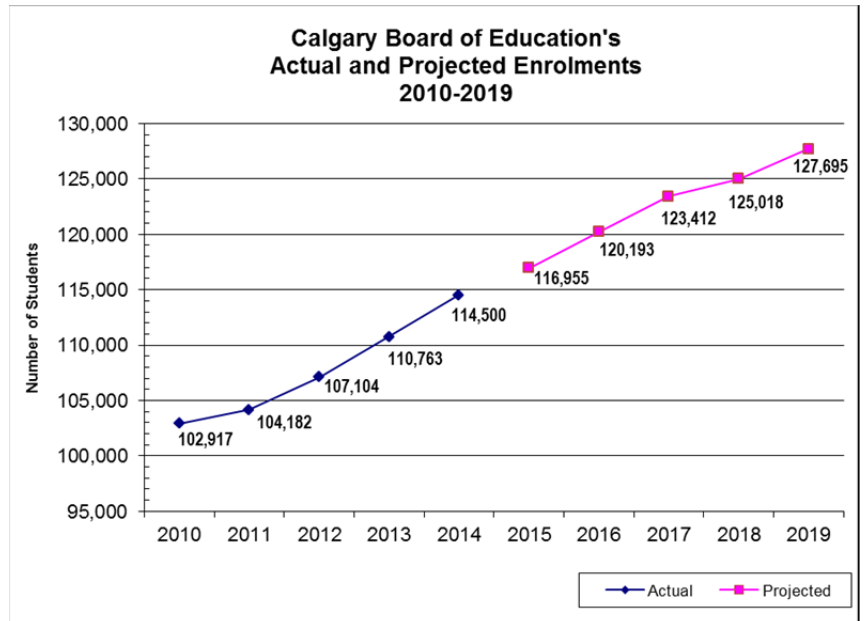
### 1. Calgary Population

Calgary has experienced tremendous growth over the past decade. One indicator of the magnitude of growth is the increase in Calgary's population by 129,739 persons in the last five years, an average of 25,948 persons per year. The City of Calgary (the City) has forecasted that the total population of Calgary will reach 1,343,000 in 2019, an increase of 147,806 persons from 2014. The five-year forecast to 2019 represents an average annual increase of 29,561 persons each year.



### 2. Student Enrolment

The CBE's current student enrolment of 114,500 is forecast to increase to 127,695 students by 2019. The largest increase over the five-year timeframe will be Grades 1-3, Grades 4-6 and Grades 7-9 students.

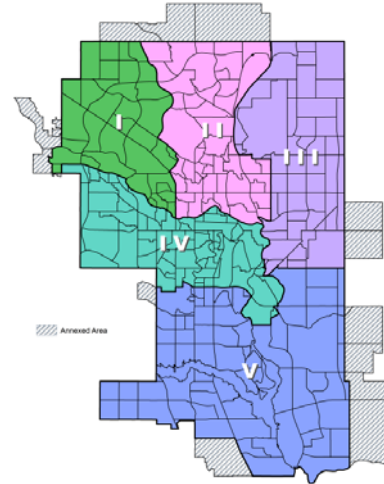


Note: Enrolment includes Home Education, Outreach/Unique Settings, Chinook Learning and CBELearn.

### 3. Calgary Growth and Development

Extrapolating from City forecasts, the following population increases for suburban locations are identified for the CBE's administrative Areas:

City Growth Trends by CBE Area 2014-2018	
Area	Population Forecast
Area I	7,500
Area II	17,280
Area III	21,520
Area IV	6,060
Area V	61,940



### 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 2013-2014 and the Three-Year Education Plan 2014-2017 on November 25, 2014.

### 5. Schools Under Construction and Approvals

Since May 2013, the province has announced five major modernizations and 21 new school construction projects for the CBE. Four of these new school construction projects were approved with full funding and four have received approval and funding for design only. The table below summarizes the projects, their approval dates and their projected opening date.

Schools Under Construction and Approvals					
Projected School Year Opening	School/Community	Project Type	Grade	Approved Capacity	Approval Date
2016-2017	Copperfield Elementary	New Construction	Grades K-4	600	May 1, 2013
	Evanston Elementary	New Construction	Grades K-4	600	May 1, 2013
	New Brighton Elementary	New Construction	Grades K-4	600	May 1, 2013
	Royal Oak/Rocky Ridge Middle	New Construction	Grades 5-9	900	May 1, 2013
	Saddle Ridge Middle	New Construction	Grades 5-9	900	May 1, 2013
	Northeast Calgary High	New Construction	Grades 10-12	1,800	May 1, 2013
2016-2017	Christine Meikle – Replacement School	Replacement School	Grades 7-12	n/a	Jan. 21, 2014
	Bowness High	Modernization	Grades 10-12	n/a	Jan. 21, 2014
	Harold W. Riley – Aboriginal Family School	Modernization	Grades K-3	n/a	Jan. 21, 2014
	Jack James High	Modernization	Grades 10-12	n/a	Jan. 21, 2014
	Auburn Bay Elementary	New Construction	Grades K-4	600	Feb. 10, 2014
	Evergreen Middle	New Construction	Grades 5-9	900	Feb. 10, 2014
	McKenzie Towne Middle	New Construction	Grades 5-9	900	Feb. 10, 2014
	New Brighton/Copperfield Middle	New Construction	Grades 5-9	900	Feb. 10, 2014
	Panorama Hills Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Feb. 10, 2014
	Tuscany Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Feb. 10, 2014
2016-2017	Aspen Woods Elementary	New Construction	Grades K-4	600	Feb 19, 2015
	Cranston Middle	New Construction	Grades 5-9	900	Feb 19, 2015
	Saddle Ridge Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Feb 19, 2015
	West Springs/Cougar Ridge Middle	New Construction	Grades 5-9	900	Feb 19, 2015
TBD	**James Fowler High	Modernization Scope Only	Grades 10-12	n/a	Oct. 8, 2014
	**Lord Beaverbrook High	Modernization Scope Only	Grades 10-12	n/a	Oct. 8, 2014
	**Martindale Elementary <sup>(2)</sup>	New Construction Design Only	Grades K-4	n/a	Oct. 8, 2014
	**Silverado Elementary	New Construction Design Only	Grades K-4	n/a	Oct. 8, 2014
	**Springbank Hill/Discovery Ridge	New Construction Design Only	Grades K-9	n/a	Oct. 8, 2014
TBD	**Southeast Calgary High	New Construction Design Only	Grades 10-12	n/a	Oct. 8, 2014
Total School Space Capacity				12,900	

\*\*Design or Scope Only – Funding Approval for Design or Scope Only School

## 6. Capital Priorities – New School Construction

There are 20 new school construction projects identified in the Three-Year School Capital Plan 2016-2019.

Table 1: New School Construction					
Three-Year School Capital Plan 2016-2019 Priorities					
Priority Ranking – Project Description					
YEAR 1					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
C-1 <sup>1</sup> **Southeast Calgary High	Gr. 10-12	Design Only	Full buildout to 1800	52,000,000	2
C-2 **Martindale Elementary <sup>(2)</sup>	K-4	Design Only	Full buildout to 600	16,200,000	2
C-3 **Springbank Hill/Discovery Ridge Elementary/Middle	K-9	Design Only	Full buildout to 900	26,500,000	7
C-4 **Silverado Elementary	K-4	Design Only	Full buildout to 600	16,200,000	2
C-5 Cranston Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	1
C-6 Coventry Hills/Country Hills Village Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	0
C-7 Evergreen Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	2
C-8 Cougar Ridge Elementary	K-4	New Request	Full buildout to 600	16,200,000	2
C-9 Kincora Elementary	K-4	New Request	Full buildout to 600	16,200,000	3
				YEAR 1 TOTAL	191,900,000
YEAR 2					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
C-10 <sup>1</sup> North Calgary High	Gr. 10-12	New Request	Full buildout to 1800	52,000,000	2
C-11 <sup>1</sup> Performing Arts School	Gr. 10-12	New Request	Full buildout to 400	27,000,000	2
C-12 Harvest Hills/Country Hills Elementary/Middle	K-9	New Request	Full buildout to 900	26,500,000	2
C-13 Skyview Ranch Elementary/Middle	K-9	New Request	Full buildout to 900	26,500,000	2
C-14 Auburn Bay Middle	GR5-9	New Request	Full buildout to 900	26,500,000	1
C-15 Evanston Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	2
				YEAR 2 TOTAL	185,000,000
YEAR 3					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
C-16 Signal Hill Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	2
C-17 Valley Ridge/Crestmont Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
C-18 Sage Hill Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
C-19 Aspen Woods Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	1
C-20 Mahogany Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
				YEAR 3 TOTAL	101,600,000
				GRAND TOTAL	478,500,000

Note: <sup>1</sup> Senior high schools are not ranked using point criteria. See page 28.

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

\*\* Funding Approval for Design Only School



## 7. Capital Priorities – Major Modernization Projects

There are 13 major modernization projects identified in the Three-Year School Capital Plan 2016-2019.

<b>Table 2: School Major Modernizations</b>				
<b>Three-Year School Capital Plan 2016-2019 Priorities</b>				
<b>Priority Ranking – Project Description</b>				
<b>YEAR 1</b>				
<b>Community/School</b>	<b>Grade</b>	<b>Project Status</b>	<b>Request Type</b>	<b>2015 Cost (\$)</b>
M-1 **Lord Beaverbrook High School	Gr. 10-12	Scope Only	Major Modernization	30,000,000
M-2 **James Fowler High School	Gr. 10-12	Scope Only	Major Modernization	20,000,000
M-3 Forest Lawn High School	Gr. 10-12	Major Modernization	Major Modernization	24,000,000
M-4 John Diefenbaker High School	Gr. 10-12	Major Modernization	Major Modernization	18,000,000
			<b>YEAR 1 TOTAL</b>	<b>92,000,000</b>
<b>YEAR 2</b>				
<b>Community/School</b>	<b>Grade</b>	<b>Project Status</b>	<b>Request Type</b>	<b>2015 Cost (\$)</b>
M-5 Kingsland Centre	Gr. 10-12	Major Modernization	Major Modernization	6,000,000
M-6 Nickle School	Gr. 5-9	Major Modernization	Major Modernization	14,000,000
M-7 Janet Johnstone School	Gr. K-4	Major Modernization	Major Modernization	9,000,000
M-8 Annie Foote School	Gr. K-6	Major Modernization	Major Modernization	12,000,000
			<b>YEAR 2 TOTAL</b>	<b>41,000,000</b>
<b>YEAR 3</b>				
<b>Community/School</b>	<b>Grade</b>	<b>Project Status</b>	<b>Request Type</b>	<b>2015 Cost (\$)</b>
M-9 Cedarbrae School	Gr. K-6	Major Modernization	Major Modernization	9,000,000
M-10 Ernest Morrow School	Gr. 6-9	Major Modernization	Major Modernization	16,000,000
M-11 Altadore School	Gr. K-6	Major Modernization	Major Modernization	10,000,000
M-12 Ranchlands School	Gr. K-6	Major Modernization	Major Modernization	9,000,000
M-13 Queen Elizabeth School	Gr. K-6	Major Modernization	Major Modernization	10,000,000
			<b>YEAR 3 TOTAL</b>	<b>54,000,000</b>
			<b>GRAND TOTAL</b>	<b>187,000,000</b>

Note: \*\* Funding Approval for Scope Only School

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

There are 33 new construction and major modernization projects identified in the Three-Year School Capital Plan 2016-2019.

Table 3: New School Construction and Major Modernizations					
Three-Year School Capital Plan 2016-2019 Priorities					
Priority Ranking – Project Description					
YEAR 1					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
1 <sup>1</sup> **Southeast Calgary High	Gr. 10-12	Design Only	Full buildout to 1800	52,000,000	2
2 **Lord Beaverbrook High School	Gr. 10-12	Scope Only	Major Modernization	30,000,000	6
3 **James Fowler High School	Gr. 10-12	Scope Only	Major Modernization	20,000,000	6
4 **Martindale Elementary <sup>(2)</sup>	K-4	Design Only	Full buildout to 600	16,200,000	2
5 **Springbank Hill/Discovery Ridge Elementary/Middle	K-9	Design Only	Full buildout to 900	26,500,000	7
6 **Silverado Elementary	K-4	Design Only	Full buildout to 600	16,200,000	2
7 Forest Lawn High School	Gr. 10-12	Modernization Request	Major Modernization	24,000,000	6
8 Cranston Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	1
9 Coventry Hills/Country Hills Village Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	0
10 Evergreen Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	2
11 John Diefenbaker High School	Gr. 10-12	Modernization Request	Major Modernization	18,000,000	6
12 Cougar Ridge Elementary	K-4	New Request	Full buildout to 600	16,200,000	2
13 Kincona Elementary	K-4	New Request	Full buildout to 600	16,200,000	3
				YEAR 1 TOTAL	283,900,000
YEAR 2					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
14 Kingsland Centre	Gr. 10-12	Modernization Request	Major Modernization	6,000,000	6
15 <sup>1</sup> North Calgary High	Gr. 10-12	New Request	Full buildout to 1800	52,000,000	2
16 <sup>1</sup> Performing Arts School	Gr. 10-12	New Request	Full buildout to 400	27,000,000	2
17 Nickle School	Gr. 5-9	Modernization Request	Major Modernization	14,000,000	7
18 Janet Johnstone School	Gr. K-4	Modernization Request	Major Modernization	9,000,000	0
19 Harvest Hills/Country Hills Elementary/Middle	K-9	New Request	Full buildout to 900	26,500,000	2
20 Skyview Ranch Elementary/Middle	K-9	New Request	Full buildout to 900	26,500,000	2
21 Auburn Bay Middle	GR5-9	New Request	Full buildout to 900	26,500,000	1
22 Evanston Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	2
23 Annie Foote School	Gr. K-6	Modernization Request	Major Modernization	12,000,000	0
				YEAR 2 TOTAL	226,000,000
YEAR 3					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
24 Cedarbrae School	Gr. K-6	Modernization Request	Major Modernization	9,000,000	0
25 Signal Hill Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	2
26 Ernest Morrow School	Gr. 6-9	Modernization Request	Major Modernization	16,000,000	1
27 Altadore School	Gr. K-6	Modernization Request	Major Modernization	10,000,000	7
28 Valley Ridge/Crestmont Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
29 Sage Hill Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
30 Aspen Woods Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	1
31 Ranchlands School	Gr. K-6	Modernization Request	Major Modernization	9,000,000	0
32 Queen Elizabeth School	Gr. K-6	Modernization Request	Major Modernization	10,000,000	0
33 Mahogany Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
				YEAR 3 TOTAL	155,600,000
				GRAND TOTAL	665,500,000

Note: <sup>1</sup> Senior high schools are not ranked using point criteria. See page 28.

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

\*\* Funding Approval for Design or Scope Only School

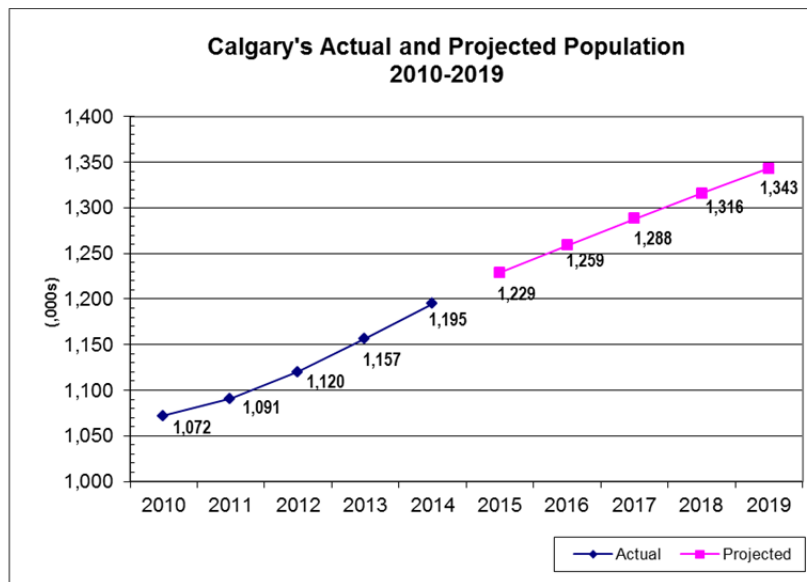
## 1.0 INTRODUCTION

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 114,500 students (including Adult Education) through 227 schools with 9,444 permanent employees and an operating budget of \$1,230.2 million.

Over the past decade, Calgary has experienced tremendous growth and economic prosperity. One simple indicator of the magnitude of the growth is that the population of Calgary increased 129,739 persons between 2009 and 2014, at an average of 25,948 persons per year.

The population grew from 1,156,686 in April 2013 to 1,195,194 in 2014, an increase of 38,508 (3.3%). The population growth consisted of natural increase (10,491 persons) representing approximately 27% and net migration (28,017 persons) which represented approximately 73% of the growth.

The City of Calgary's report, *Calgary and Region Economic Outlook 2014-2019* (Fall 2014), identifies continued strong growth for Calgary. The City forecast indicates the total population of Calgary will reach 1,343,000 in 2019, an increase of 147,806 persons from the 2014 total of 1,195,194. The five-year population forecast to 2019 represents an average increase of 29,561 persons per year during this period and represents a slightly increased pace from the previous five-year period. This population projection was prepared by The City in Fall 2014 before the decline in oil prices.



Calgary Total Population (,000s)										
Actual						Projected				
2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1,065	1,072	1,091	1,120	1,157	1,195	1,229	1,259	1,288	1,316	1,343

Calgary and Region Economic Outlook 2014-2019 (Fall 2014)

## 1.1 CBE Student Enrolment

Total enrolment of 114,500 students was reported on September 30, 2014, and consists of 109,299 pre-kindergarten to Grade 12 plus 5,201 enrolled in Home Education, Outreach and Unique Settings at CLS and CBe-learn.

Enrolment increased by 3,737 students from September 30, 2013, to September 30, 2014, with notable increase at Division I (Grades 1-3) and Division II (Grades 4-6). This increase is mainly due to high birth rates, high net migration and a slight increase in CBE's market share.

Parents and students continue to access program choices offered by the CBE. Enrolment in alternative programs is 22,914 which is an increase of 1,629 over the previous year. The alternative programs with the highest enrolment are French Immersion (8,354), Traditional Learning Centre (TLC) (6,129) and Spanish Bilingual (3,408).

The following table provides a summary of enrolments including Unique Settings, Outreach Programs, Chinook Learning, and CBe-learn from September 30, 2010, to September 30, 2014.

Five-Year History of Enrolments by Division 2010-2014					
	2010	2011	2012	2013	2014
Pre-kindergarten	38	51	80	145	176
Kindergarten	7,459	7,718	8,252	8,936	9,213
Grades 1-3	22,393	23,362	24,444	25,959	27,649
Grades 4-6	20,379	20,525	21,333	22,552	23,604
Grades 7-9	21,647	21,457	21,623	21,751	22,237
Grades 10-12	25,634	25,533	25,896	26,270	26,420
<b>Sub-Total (pre-k to grade 12)</b>	<b>97,550</b>	<b>98,646</b>	<b>101,628</b>	<b>105,613</b>	<b>109,299</b>
Home Education	186	189	247	297	248
Outreach and Unique Settings	1,755	1,797	1,789	1,772	1,971
Chinook Learning Services	2,789	2,935	2,760	2,515	2,393
CBe-learn	637	615	680	566	589
<b>Sub-Total</b>	<b>5,367</b>	<b>5,536</b>	<b>5,476</b>	<b>5,150</b>	<b>5,201</b>
<b>Total</b>	<b>102,917</b>	<b>104,182</b>	<b>107,104</b>	<b>110,763</b>	<b>114,500</b>

### Five-Year Enrolment Projections

CBE's current enrolment of 114,500 students is forecast to increase to 127,695 students by 2019. An increase of 13,195 students is projected averaging approximately 2,600 additional students annually. The largest increase over this five-year timeframe is projected to be in Division I (Grades 1-3), Division II (Grades 4-6) and Division III (Grades 7-9).

A summary of the September 2014 actual student enrolments and September 2015-2019 projected enrolments are below:

Five-Year Enrolment Projections 2015-2019						
	Actual 2014	Projected				
		2015	2016	2017	2018	2019
Pre-kindergarten	176	190	190	190	190	190
Kindergarten	9,213	9,560	9,825	10,080	9,175	9,175
Grades 1-3	27,649	28,760	29,960	30,340	30,540	30,120
Grades 4-6	23,604	24,315	25,430	26,685	27,625	28,640
Grades 7-9	22,237	22,670	23,535	24,545	25,415	26,450
Grades 10-12	26,420	26,210	25,940	26,175	26,665	27,680
<b>Sub-Total (pre-k to grade 12)</b>	<b>109,299</b>	<b>111,705</b>	<b>114,880</b>	<b>118,015</b>	<b>119,610</b>	<b>122,255</b>
Home Education	248	265	263	272	284	288
Outreach and Unique Settings	1,971	1,985	2,050	2,125	2,124	2,152
CBe-learn	589	600	600	600	600	600
Chinook Learning	2,393	2,400	2,400	2,400	2,400	2,400
<b>Sub-Total</b>	<b>5,201</b>	<b>5,250</b>	<b>5,313</b>	<b>5,397</b>	<b>5,408</b>	<b>5,440</b>
<b>Total Student Count</b>	<b>114,500</b>	<b>116,955</b>	<b>120,193</b>	<b>123,412</b>	<b>125,018</b>	<b>127,695</b>

- CBe-learn and CLS accept registrations on an on-going basis.
- All projections are subject to annual review and update.
- Projections use September 30, 2014, enrolments as a base.

CLS and CBe-learn register students continually throughout the year. The enrolment reported for both Chinook Learning and CBe-learn represents 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 or CBe-learn, are reported in the pre-k to Grade 12 enrolment. The enrolment reported for Chinook Learning includes students enrolled in academic success programs (high school upgrading) and does not include students in Adult English language Learning (ELL) and Continuing Education (personal and professional development).

Enrolment in CLS and CBe-learn has declined over the last few years. One reason for the decline may be the strong job market in Alberta at this time. If the current low oil prices result in an economic downturn, and young people are not as able to gain employment, they may choose to pursue academic upgrading which could result in increased enrolment for both Chinook Learning and CBe-learn.

Alberta's new Education Act was passed in the Legislature and received Royal Assent on December 10, 2012. Now, a comprehensive review of the Education Act's regulations is required before this innovative legislation can come into force. Proposed changes to the Alberta School Act will give students access to provincially funded high school education until the age of 21. This will affect CBE enrolment projections in the future. How to best meet the needs of these older students will be at the discretion of individual school boards. The Province has announced the Minister's Education Act Regulatory Review Committee. This committee will ensure that the regulatory framework is consistent with Inspiring Education. The committee will seek input from Albertans as they revise supporting regulations which are the nuts and bolts of how key aspects of the legislation are translated into action. At this time, it is anticipated that the new legislation will come into force in time for the 2015-16 school year. The following table indicates the anticipated impact of the change which will allow students to register for K-12 instruction up until the age of 21.

Projected Three Year Impact of Changes to School Act (Students 19-21) <i>(for information only until School Act changes come into effect)</i>			
	Projected		
	2015	2016	2017
Regular Program	350	700	700
Complex Learning Needs	20	20	20
Outreach Programs	280	280	280
Unique Settings	7	10	10
CBe-learn	70	75	80
Chinook Learning Services	300	310	320
<b>Total (Students 19-21)</b>	<b>1,027</b>	<b>1,395</b>	<b>1,410</b>

## 1.2 Calgary Growth and Development

The City of Calgary supports an actively competitive land market in all areas of the city and there are 22 new and developing municipal communities (Suburban Residential Growth, April 2014) 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 over the last decade, the size of the communities being planned and built today are much larger than they have been historically. In 2002 there were 23 communities with a planned land supply of 4,651 hectares whereas today there are 22 communities with a land supply of 5,590 hectares.

The top ten developing communities to receive residential building permit applications in Calgary for 2013 were:

- Auburn Bay (SE)
- Mahogany (SE)
- Copperfield (SE)
- Sage Hill (N)
- Evanston (N)
- Skyview Ranch (NE)
- Cranston (SE)
- Nolan Hill (N)
- Walden (S)
- Saddle Ridge (NE)

*(Source: Suburban Residential Growth 2014-2018, p. A2-6, A2-7)*

### Forecasted Suburban Growth 2014-2018

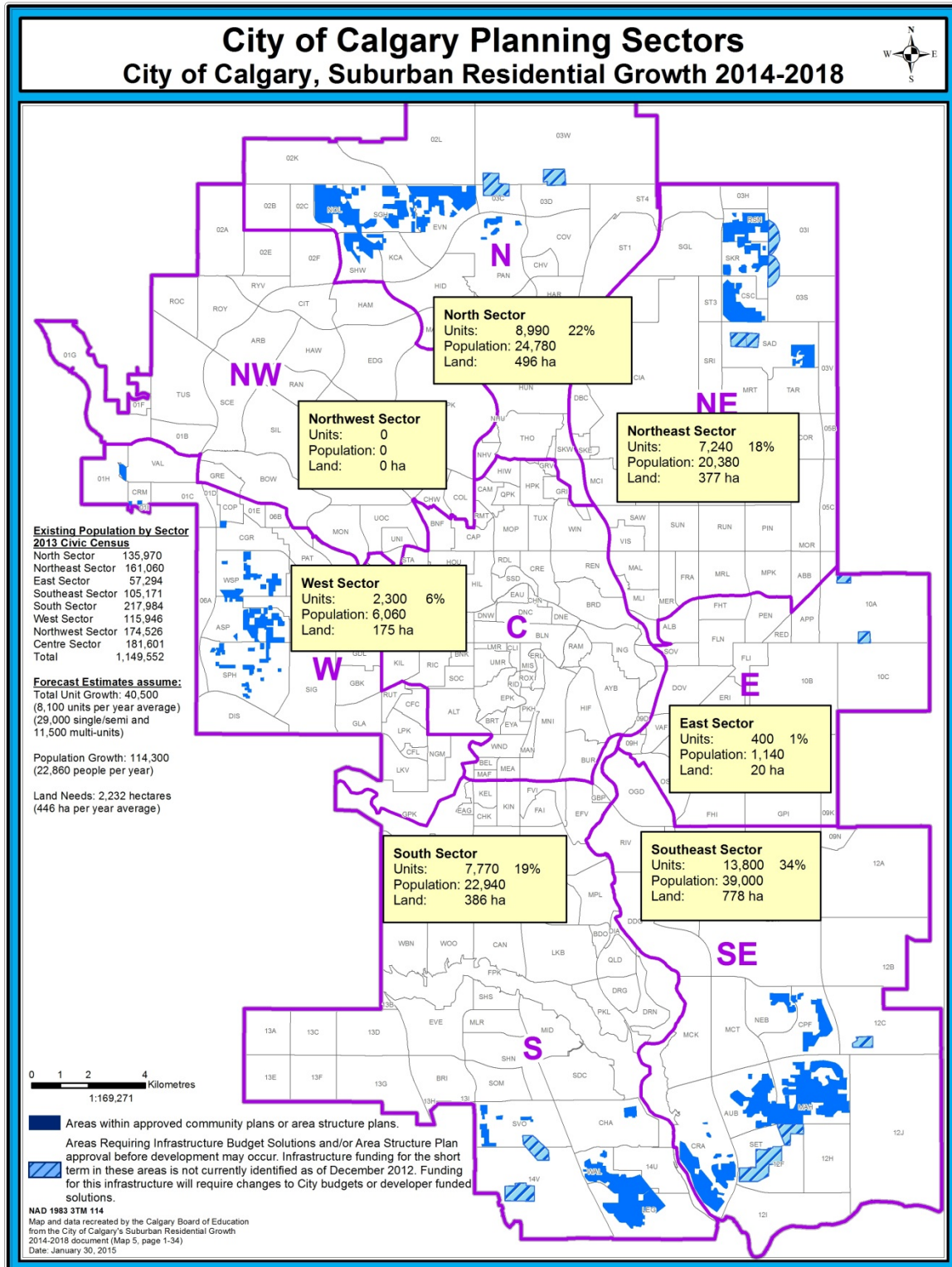
The Suburban Residential Growth 2014-2018 indicates that 87% of the population growth over the past five years (2009-2013) has been in the developing communities. Although the new Calgary Municipal Development Plan supports more intensification into developed areas of Calgary, forecasts over the next five years estimate approximately 92% of the population growth will continue to occur in the new suburbs.

The above report indicates the planned land supply could accommodate approximately 380,500 persons on the future residential lands, based upon approved plans in place, which represents a 12 to 13 year land supply. In terms of ready to use fully serviced land, with land use in place, approximately 127,400 people could be accommodated which represents an approximate five year supply of land.

A summary of the five-year period forecast from the Suburban Residential Growth 2014-2018 for suburban locations is as follows (see Map 1):

<b>City Growth Trends by City Sector 2014-2018</b>			
<b>Sector</b>	<b>Housing Units</b>	<b>Population Forecast</b>	<b>Hectares</b>
Northwest	0	0	0
North	8,990	24,780	496
Northeast	7,240	20,380	377
East	400	1,140	20
Southeast	13,800	39,000	778
South	7,700	22,940	386
West	2,300	6,060	175



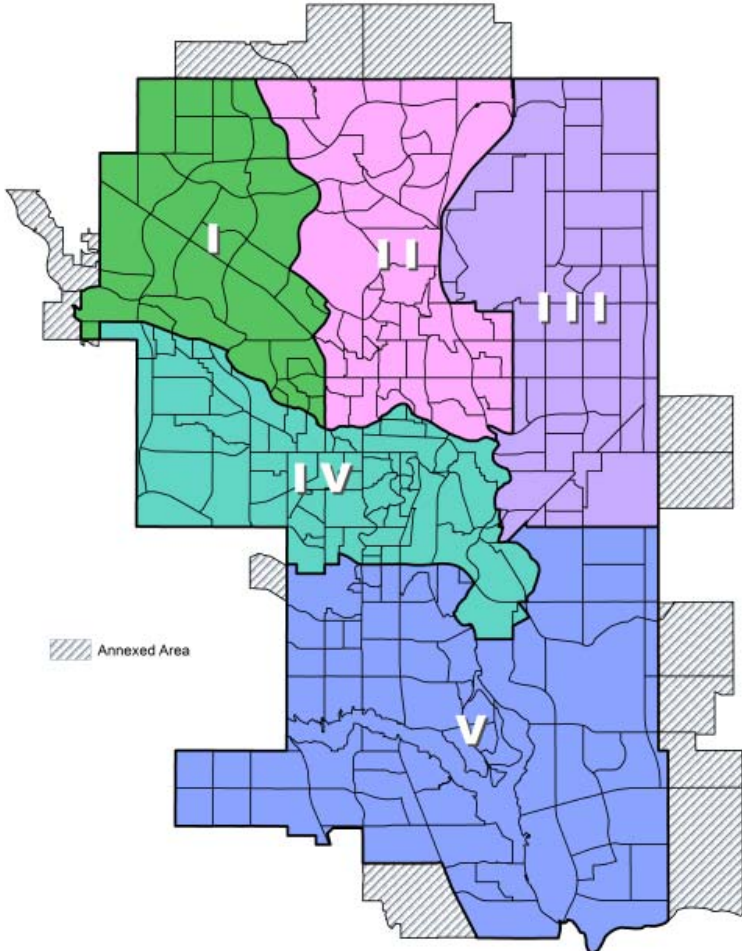




Extrapolating from these City forecasts, the following population increases for suburban locations were prepared to determine populations by CBE's administrative Area boundary:

City Growth Trends by CBE Area 2014-2018	
Area	Population Forecast
Area I	7,500
Area II	17,280
Area III	21,520
Area IV	6,060
Area V	61,940

A portion of the north growth for the communities of Nolan Hill and Sherwood will be in the Area I population forecast. Area III includes the Northeast and East sectors. Area V includes the Southeast and South sectors and indicates that 54% of the City's growth will be in Area V. Area III will have approximately 19% of the growth followed by Area II with 15% of the City's growth.



### 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.

Part 5 of *Plan It Calgary* established a framework for growth and change. This is to ensure reprioritizing municipal investment to align with its long-term growth management strategy on how Calgary will grow and develop over the next 60 years. Calgary City Council directed the City Administration to develop a decision framework to determine when to commence planning, financing, and servicing.

The CBE participated in the stakeholder meetings during fall 2011 and all of 2012 and 2013 as part of the City's "Framework for Growth and Change" process. The City Administration has reported back to the Standing Policy Committee on Land Use, Planning and Transportation (LPT) and City Council on the process and results.

The corporate framework for growth and change is an integral part of Calgary's MDP and the City's growth management strategy. It was approved by City Council in December 2013 and the framework will assist in making decisions on how we will grow over the next 60 years.

Growth Management overall goals include:

- Providing a tool to Council to enhance fiscally responsible decision making with regards to growth and related expenditures.
- Setting priorities for the City to align future capital and operating budgets to process the required services.
- Providing greater certainty for the development industry.
- Promoting the goals and objectives of the Calgary's MDP.
- Providing the appropriate level of industrial serviced land.

The objective of the Strategy is to facilitate good land supply management and smooth land market function. It initiates functional targets where appropriate, while reinforcing the importance of a transparent monitoring program that helps to identify and avoid unintended consequences.

The CBE has advocated, as part of the growth management process, that the City should have more short-term targets (5, 10 and 15 years) to monitor progress toward growth allocated to the developing communities in relation to the inner-city and established areas. This would enable monitoring of short-term and mid-term benchmarks in reaching the 30-year target of the plan for growth into established areas of 33% and the 60-year target of 50% growth to established areas. Intensification of built-up areas, as advocated through the Framework for Growth and Change, may positively impact the population in the established and mature communities and may increase student enrolments for CBE schools in these 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 22 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. The CBE has indicated more orderly growth could be achieved by phasing growth into a smaller number of communities that are fully completed on a timely basis.

In terms of population increase from the April 2013 Census to the April 2014 Census, there were five developing communities that exceeded 1,500 persons population growth. Saddleridge had the largest annual increase of 2,373 persons followed by Auburn Bay (2,242 persons), Cranston (1,858 persons), Skyview Ranch (1,759 persons) and Evanston (1,704 persons). Two other communities exceeded 1,000 population growth (Panorama Hills, Aspen Woods).

The largest increase in the inner city and established communities was Beltline with a population increase of 1,091 persons. There were five other inner city communities that exceeded an increase of 500 population consisting of Manchester (692), Mount Pleasant (569), Penbrooke Meadows (542), Bowness (537) and Downtown Commercial Core (504).

## 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 and Calgary Catholic School District (CCSD) inventory as area structure plans are finalized.

To date, the following areas of the new annexation lands have been added to the CBE jurisdictional boundaries:

- Annexed land in the south was added to the CBE boundary June 25, 2009 and consists of the communities of Walden and Legacy. These future communities will build out to a population of approximately 26,100 to 27,400 persons based on 2013 estimates.

- Annexed land in the northwest has been added for a small extension to the Valley Ridge community that will add approximately 500 persons when fully built-out. A ministerial order was received September 26, 2011 to adjust the CBE boundaries.
- Approximately 177 acres of land in the south have been removed from the City and CBE boundaries as part of the Spruce Meadows lands being added to the MD of Rocky View. A ministerial order was received in September 12, 2011 to adjust the CBE boundaries affected by the Spruce Meadows lands.

A map on page 11 identifies these latter locations.

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

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

In the next five years, population growth is expected to occur primarily in the developing Calgary communities, and there is a planned land supply that can accommodate approximately 380,500 persons.

More detailed area structure plans are being undertaken to guide future planning in the annexed lands. CBE planning personnel have been participating in meetings, discussions and plan preparation, to enable long-term school planning in these new plan areas.

The **West Macleod Area Structure Plan** was approved November 30, 2009 and will accommodate a population of approximately 28,000 persons. The plan is currently in process with an amendment for an additional 10,000 persons to the south.

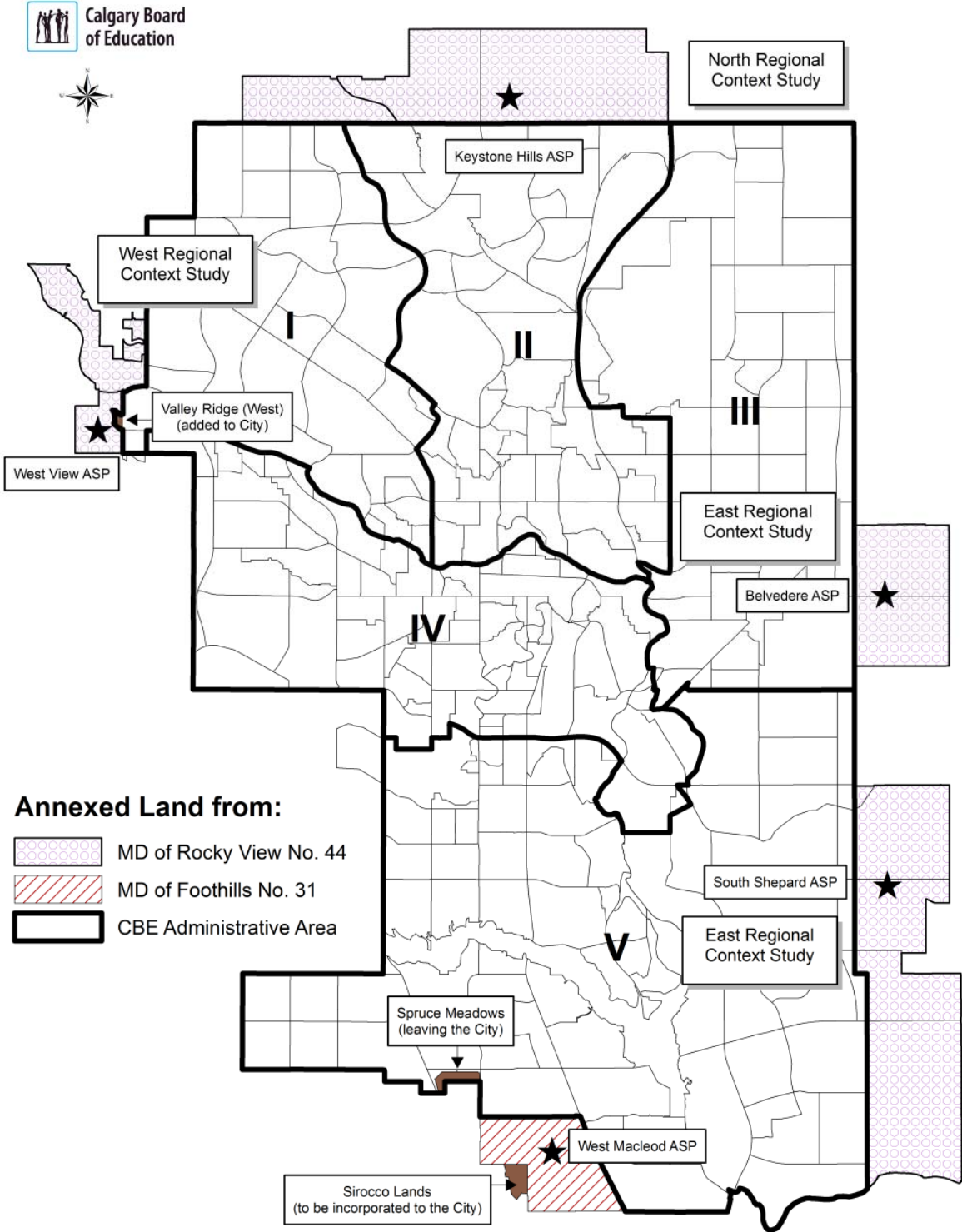
The **Keystone Hills Area Structure Plan** in the north was approved July 16, 2012 and will accommodate a population of approximately 60,000 persons.

The **West View Area Structure Plan** will accommodate a population of approximately 8,300 persons. The ASP was initiated following approval of the West Regional Context Study. 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 **South Shepard Area Structure Plan** was approved May 6, 2013 and will accommodate a population of approximately 28,000 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.

It is anticipated following approvals of area structure plans and subsequent outline plans, that the CBE and CCSD will request, on an as required basis, the Minister to include these lands as part of their respective school boundaries.



Prepared by: Planning, Transportation and Environmental Services  
November 2012  
Map: Annexation Map.mxd



## 2.0 CAPITAL STRATEGIES

### 2.1 Calgary Board of Education

- Delivery of school programs e.g. Career and Technology Studies (CTS).
- 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 in order 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 \$920 million.

A balanced approach for the plan will be developed to ensure the CBE is pursuing capital funding opportunities which recognize the changing needs of students and is 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 and personalized learning; and
- Transitions for students with minimal disruption in order to 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.

In June 2014, the CBE had the opportunity to submit an Interim Capital Plan to the province for consideration of constructing starter schools prior to receiving funding approval for the core school. In order to maintain the integrity of the Three Year School Capital Plan 2015-2018, the CBE maintained the same priority list for consideration of design only schools as was approved by the Board in October 2014. Based on that Interim Capital Plan, the CBE received funding approval for the design of a high school in SE Calgary as well as four starter schools. On February 19, 2015, the province announced full funding for the complete build of the four previously identified starter schools. Two of the approved schools are K-GR4 schools and two are middle schools. The CBE has begun design of the schools.

Projects that were urgently required to enable the requirements are met through new school construction, school modernizations and projects to meet program delivery. High priority program delivery projects are listed below.

- Chinook Learning Services –The CBE vision is a major central campus and two other locations in the city.
- Career and Technology Studies – In January 2014, the Province approved modernization projects for Bowness High School and Jack James High School. In October 2014, CBE received funding approval to begin design of modernizations of James Fowler (Area II) and Lord Beaverbrook (Area V). These modernizations will support delivery of new CTS curriculum.

## 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 2013-2014 and the Three-Year Education Plan 2014-2017 on November 25, 2014. A summary of Facilities and Capital Plans identifying new school constructions projects and major modernization projects are included in the Three-Year Education Plan.

Long-range education plans will continue to be developed and these plans will form the basis of the annual 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; Area Renewal Plans and other program development undertaken through the Chief Superintendent's office, School Support Services, 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 determine the school programs and facility upgrade strategies for each school.

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

The CBE has five administrative Areas as indicated on **Map 2**. Within each of these Areas, this Three-Year School Capital Plan will review all 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 85% utilization rate is not a firm requirement but rather a guideline.

The CBE desires to use their facilities efficiently and continues to work towards an average 80% utilization rate. Given the constraints of the existing utilization formula and other influencing factors such as the Class Size Initiative, the CBE considers an 80% utilization rate a reasonable target. Currently, the CBE's overall utilization rate by enrolment is 85%. The utilization rate is 84% for K-GR9 students and 89% 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 in an Area expressed as a percentage of the total capacity. Utilization by enrolment represents the actual utilization currently experienced by sector/area.

Utilization by residence identifies the number of students residing in an Area expressed as a percentage of the total capacity. Utilization by residence represents the utilization rate that would exist if the CBE were not able to accommodate students in other Areas but rather accommodated the students in the facilities that exist within the Area where they live. Projections for 2019-2020 account for additional school capacity through new construction.

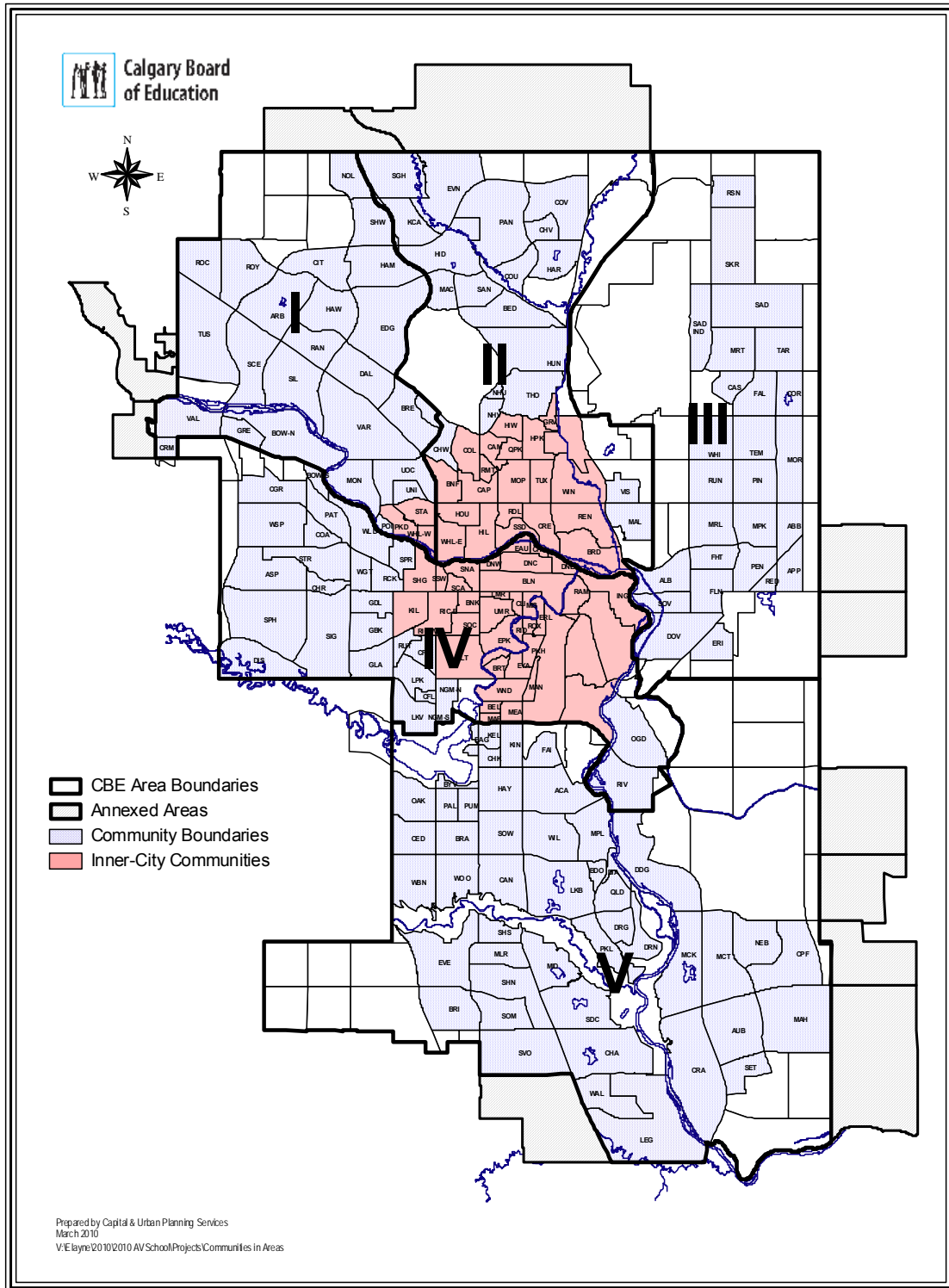
Area Utilization by Student Enrolment (Actual & Projected)			
Area	Sector	2014-2015 Actual K-12 Utilization	2019-2020 Projections K-12 Utilization
Area I	Sector 1	69.31%	73.62%
	Sector 2	94.15%	96.52%
<b>Total</b>		<b>83.91%</b>	<b>87.12%</b>
Area II	Sector 3	86.71%	78.25%
	Sector 4	89.85%	96.28%
<b>Total</b>		<b>87.83%</b>	<b>85.11%</b>
Area III	Sector 5	82.22%	90.36%
<b>Total</b>		<b>82.22%</b>	<b>90.36%</b>
Area IV	Sector 6	92.61%	87.23%
	Sector 7	78.31%	84.79%
<b>Total</b>		<b>85.52%</b>	<b>86.13%</b>
Area V	Sector 8	78.96%	68.38%
	Sector 9	101.36%	103.02%
<b>Total</b>		<b>85.85%</b>	<b>82.33%</b>
<b>Total</b>		<b>85.24%</b>	<b>85.88%</b>

Area Utilization by Student Residence (Actual & Projected)			
Area	Sector	2014-2015 Actual K-12 Utilization	2019-2020 Projections K-12 Utilization
Area I	Sector 1	91.55%	95.48%
	Sector 2	101.69%	104.38%
<b>Total</b>		<b>97.51%</b>	<b>100.73%</b>
Area II	Sector 3	30.72%	34.28%
	Sector 4	140.29%	140.89%
<b>Total</b>		<b>69.62%</b>	<b>74.86%</b>
Area III	Sector 5	102.40%	100.04%
<b>Total</b>		<b>102.40%</b>	<b>100.04%</b>
Area IV	Sector 6	103.34%	96.13%
	Sector 7	60.51%	67.28%
<b>Total</b>		<b>82.10%</b>	<b>83.12%</b>
Area V	Sector 8	46.04%	50.95%
	Sector 9	186.19%	136.25%
<b>Total</b>		<b>89.13%</b>	<b>85.32%</b>
<b>Total</b>		<b>87.43%</b>	<b>88.01%</b>

Note: 2019-2020 projections include projects currently approved for construction



### Municipal Communities in Areas (See List of Community Code Definitions)



## Municipal Community Code Definitions

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

### **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 CCSD and community developers to select school sites based on catchment areas within the development. There is a balance between population, location and land dedication. School boards calculate site requirements for the number and type (elementary and middle) of school sites based on projected population when a community is built-out. The CBE utilizes a formula to calculate student populations at both peak and stable population growth rates.

Typically, the CBE is eligible for an elementary school for every 10,000 residents, a middle school for every 15,000 to 20,000 residents and a high school for every 50,000 to 60,000 residents. 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 will require two elementary schools and one middle school to accommodate students once they are fully built-out.

### **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. A 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 engaging internal and external stakeholders regarding student accommodation challenges. The Three Year System Student Accommodation Plan 2014-2017 was received for information at the June 17, 2014, Board of Trustees meeting.

### **Changes to the School Act**

Alberta's new Education Act was passed in the Legislature and received Royal Assent on December 10, 2012. Now, a comprehensive review of the Education Act's regulations is required before this innovative legislation can come into force. Proposed changes to the Alberta School Act will give students access to provincially funded high school education until the age of 21. This will affect CBE enrolment projections in the future. How to best meet the needs of these older students will be at the discretion of individual school boards. This change is anticipated to have the most impact on enrolment at Chinook Learning. Within the high school environment, it is anticipated that students who are English

language learners may choose to remain within their high school setting for an additional year or two.

The Province has announced the Minister's Education Act Regulatory Review Committee. This committee will ensure that the regulatory framework is consistent with Inspiring Education. The committee will seek input from Albertans as they revise supporting regulations which are the nuts and bolts of how key aspects of the legislation are translated into action. At this time, the regulations have not been finalized. These changes are anticipated to come into force for the 2015-16 school year.

### **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. They 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. A link to the website is as follows:

<http://www.cbe.ab.ca/schools/managing-space-students/Pages/default.aspx>

## 2.5 New School Construction and School Approvals

Since May 2013, the province has announced five major modernizations and 21 new school construction projects for the CBE. Four of these new schools have received approval and funding for design only. The table below summarizes the projects, their approval dates and their projected opening date.

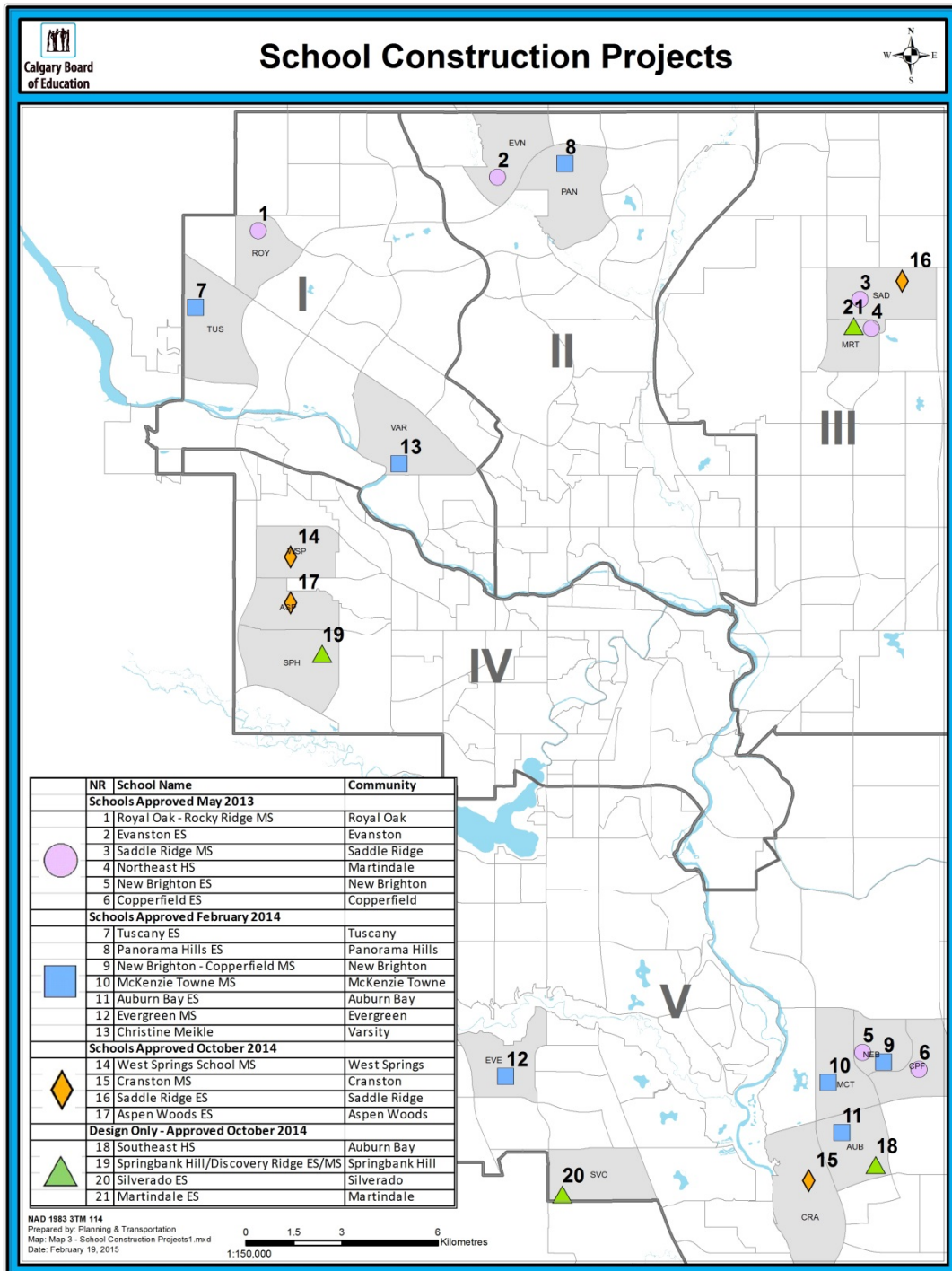
Schools Under Construction and Approvals					
Projected School Year Opening	School/Community	Project Type	Grade	Approved Capacity	Approval Date
2016-2017	Copperfield Elementary	New Construction	Grades K-4	600	May 1, 2013
	Evanston Elementary	New Construction	Grades K-4	600	May 1, 2013
	New Brighton Elementary	New Construction	Grades K-4	600	May 1, 2013
	Royal Oak/Rocky Ridge Middle	New Construction	Grades 5-9	900	May 1, 2013
	Saddle Ridge Middle	New Construction	Grades 5-9	900	May 1, 2013
	Northeast Calgary High	New Construction	Grades 10-12	1,800	May 1, 2013
2016-2017	Christine Meikle – Replacement School	Replacement School	Grades 7-12	n/a	Jan. 21, 2014
	Bowness High	Modernization	Grades 10-12	n/a	Jan. 21, 2014
	Harold W. Riley – Aboriginal Family School	Modernization	Grades K-3	n/a	Jan. 21, 2014
	Jack James High	Modernization	Grades 10-12	n/a	Jan. 21, 2014
	Auburn Bay Elementary	New Construction	Grades K-4	600	Feb. 10, 2014
	Evergreen Middle	New Construction	Grades 5-9	900	Feb. 10, 2014
	McKenzie Towne Middle	New Construction	Grades 5-9	900	Feb. 10, 2014
	New Brighton/Copperfield Middle	New Construction	Grades 5-9	900	Feb. 10, 2014
	Panorama Hills Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Feb. 10, 2014
	Tuscany Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Feb. 10, 2014
2016-2017	Aspen Woods Elementary	New Construction	Grades K-4	600	Feb. 19,2015
	Cranston Middle	New Construction	Grades 5-9	900	Feb. 19,2015
	Saddle Ridge Elementary <sup>(2)</sup>	New Construction	Grades K-4	600	Feb. 19,2015
	West Springs/Cougar Ridge Middle	New Construction	Grades 5-9	900	Feb. 19,2015
TBD	**James Fowler High	Modernization Scope Only	Grades 10-12	n/a	Oct. 8, 2014
	**Lord Beaverbrook High	Modernization Scope Only	Grades 10-12	n/a	Oct. 8, 2014
	**Martindale Elementary <sup>(2)</sup>	New Construction Design Only	Grades K-4	n/a	Oct. 8, 2014
	**Silverado Elementary	New Construction Design Only	Grades K-4	n/a	Oct. 8, 2014
	**Springbank Hill/Discovery Ridge	New Construction Design Only	Grades K-9	n/a	Oct. 8, 2014
TBD	**Southeast Calgary High	New Construction Design Only	Grades 10-12	n/a	Oct. 8, 2014
Total School Space Capacity				12,900	

\*\*Design or Scope Only – Funding Approval for Design or Scope Only School

Map 3 identifies the location of future school openings approved between May 1, 2013 and October 8, 2014.

Map 3

### School Construction Projects



## 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.

A modernization of three school facilities to accommodate CLS was approved in 2011 for \$10.5 million. This project continues in its planning stages as additional funds to complete the project are requested as part of this plan. The CBE is currently in the process of planning for the modernization of Harold W. Riley School in Area III to accommodate an Aboriginal Learning Centre. The Aboriginal Learning Centre is scheduled for completion in the 2016-2017 school year.

Modernizations of two high schools to enable the delivery of the new CTS have been approved to include the following improvements:

### Bowness High School

- Focus on upgrading CTS space
- Partial mechanical and major electrical systems upgrades
- Building envelope and interior upgrades and replacements
- Library to Learning Commons conversion
- Safety and barrier free access upgrades and installations

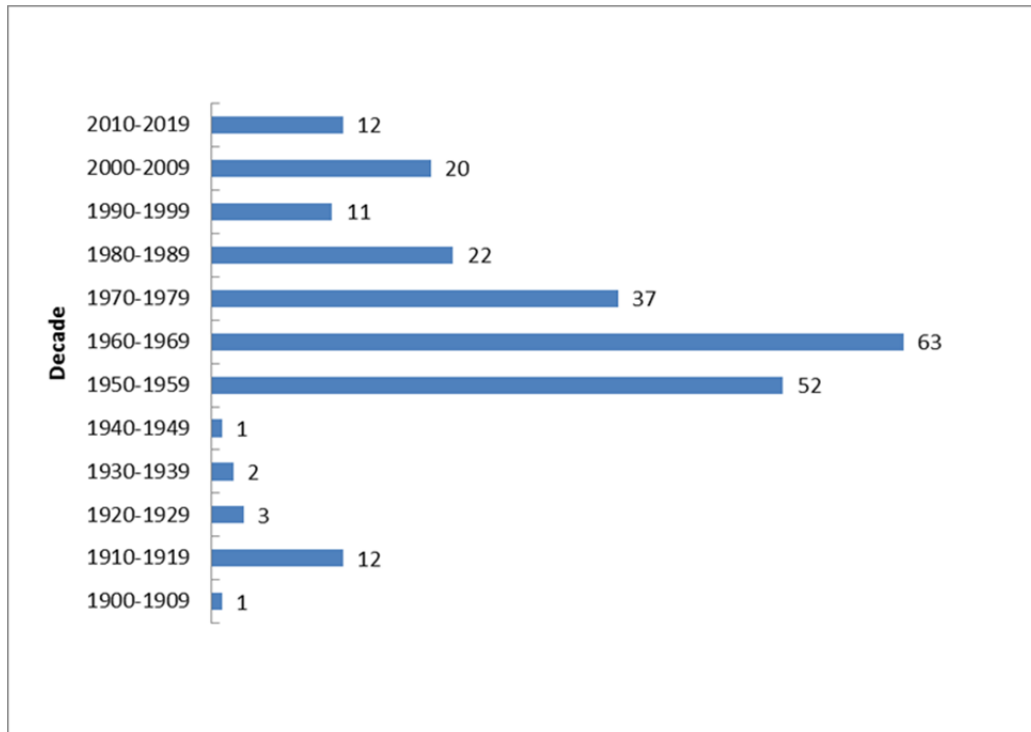
### Jack James High School

- Security and safety (hazardous material abatement; building and fire code upgrades)
- Instructional space modernization
- Upgrade of building envelope, mechanical and electrical systems
- Library to Learning Commons conversion
- Barrier free accessibility

In October 2014, CBE received funding approval for the planning of two additional major modernizations. Modernizations of James Fowler and Lord Beaverbrook are currently being planned to enable the delivery of the new CTS.

As of 2014, the CBE has a current count of 239 owned facilities. 171 of the school buildings were built before 1980. This represents 72% of the CBE's school building inventory. The current inventory by decade of CBE school buildings is shown in the following graph:

## Current School Building Inventory by Decade



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 the CBE projects. This Provincial audit greatly contributes to the selection and prioritizing of modernizations for the CBE. There are currently 25 modernization projects identified and included as part of this year's Capital Plan.

The CBE continues to rank facilities for major modernizations. The criteria used for establishing major modernization priorities were reviewed this past year and changes were approved by the Board of Trustees in October 7, 2014. The following categories and point assignments will be used to determine modernization priorities:

For major modernization ranking criteria – refer to page 94.

**Programming requirements (maximum number of points = 35)**

Superintendent's Team to identify and prioritize modernization projects that are required to meet CBE system programming priorities

**5 Year projected enrolment (maximum number of points = 10)**

**Quality of site location to serve students (maximum number of points = 10)**

**Ability to upgrade in terms of teaching environment and minimizing costs (maximum number of points = 20)**

**Facility Maintenance based on Provincial RECAPP (maximum number of points = 25)**

*Note: In this category, the higher the number, the poorer the facility*



## 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 focussed on property, leasing, and infrastructure. The following initiatives are examples of the CBE working together with the City:

- The CBE is on the Joint Use Coordinating Committee with the City and the CCSD that deal with joint-use school reserve sites.
- CBE representatives have been involved in many city-wide initiatives such as the new Land Use Bylaw, *Plan It Calgary*, “*Framework for Growth and Change*”, etc. The CBE over the past year continued to work with other City on other projects such as: the City of Calgary’s ‘*New Community Development Guidebook*’, and the City of Calgary’s ‘*Site Planning Design Guidelines*’.
- The CBE and CCSD continue to be a part of a greater study on traffic, parking, and safety around school sites. Two City projects were undertaken and continue. One key project is the City’s ‘*School Site Review*’. This entails analysing a large distribution of school sites across the City, assessing current conditions of sites, roads, zoning, signage, etc. The initiative is to find ways to improve both existing and future school sites as they are developed. There are twelve CBE schools and eight CCSD schools participating in this project.
- The second City study, similar to the first, is more focused on the school site itself and zones, addressing what tools might help make existing school sites pedestrian safe. The City continues to take the lead in role in these studies.

## 3.0 NEW SCHOOL CONSTRUCTION CAPITAL PLAN CRITERIA

Typically, the CBE is eligible for an elementary school for every 10,000 residents, a middle school for every 15,000 to 20,000 residents and a high school for every 50,000 to 60,000 residents. 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 will require two elementary schools and one middle school to accommodate students once they are fully built-out.

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.

As programming decisions are made for new schools, Administration works with stakeholders in the community where the new school will be opening to determine if there is interest and/or opportunity for incorporation of specialized programming (e.g. French Immersion) in the school. Decisions on whether to offer alternative programming are made by Administration based on level of interest and availability of space.

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: Kindergarten to Grade 9 Schools

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. Over the past year, the CBE chose to review both the eligibility and ranking criteria for new school construction.

Commencing in May 2014, the CBE hosted a public engagement to receive feedback on their existing processes used to establish new school priorities. The findings of this public engagement were incorporated into revisions to the criteria.

When there has been government approval for the design of a school in a community, an exception to the standard ranking methodology will be made. The community with the design phase approval will not be assessed through the points ranking criteria.

These revisions 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 community evaluation 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

For the current Three-Year School Capital Plan 2016-2019, all new and developing municipal communities were ranked for new school construction. Inner-city and established areas were 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.

A current 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 Readiness

In the event that a school site in a given community 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 will be 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; meaning 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.
- The 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
- the 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, an exception to the standard ranking methodology will be made. The community with the design phase approval will not be assessed through the points ranking criteria.

### Preschool Census

Actual preschool census numbers will be used and the current point range be eliminated. This addresses the concern that using a range penalizes communities that were on the cusp of moving into the next point range. Total preschool census numbers will be used for each community not just public school supporters. This addresses the concern raised that the CBE is not capturing 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 will be used and the current point range will be eliminated. 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, a community with 1,200 K-GR4 students and a 600 capacity K-

GR4 school, the number of students when assessing enrolment for a second elementary school would be 600. This addresses the concern that using a range penalizes communities that were on the cusp of moving into the next point range.

### **Population Growth**

A matrix will be used that will take 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 population projections addresses the concern that the current ranking criterion does not take future growth into consideration.

Utilizing a ratio of current CBE enrolment to the number of housing units in a community addresses the concern that smaller communities will always rank lower than larger communities. The use of these two measures together in a matrix will result in the greatest number of points 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 strongest growth.

### **Travel Time**

A matrix will be used that takes into account median travel time as well as distance from the community to the designated school. Utilizing the ArcGIS system, distance will be calculated from the centre of a community to the regular program designated school. Utilizing a ratio of travel time and distance addresses feedback from stakeholders that distance to the designated regular program school is an important factor to consider. The use of these two measures together in a matrix will result in the greatest number of points being assigned to communities with the longest travel time and the greatest distance travelled.

### **Bus Receivers**

The number of points awarded 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) will increase to align with the change to using actual preschool census and enrolment statistics.

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

The number of points awarded to a community that has an existing K-GR4 school will increase to align with the change to using actual preschool census and enrolment statistics. Previously this criterion was only assessed for middle school ranking. This criterion will now be added to the K-GR4 ranking process to address completion of a full school build out, as past approvals have been awarded in phases. This approach honors the CBE's original request on the School Capital Plan, as submitted by the Board of Trustees, as well as, aligns with Provincial announcements as they are announced.

## **Transition Points**

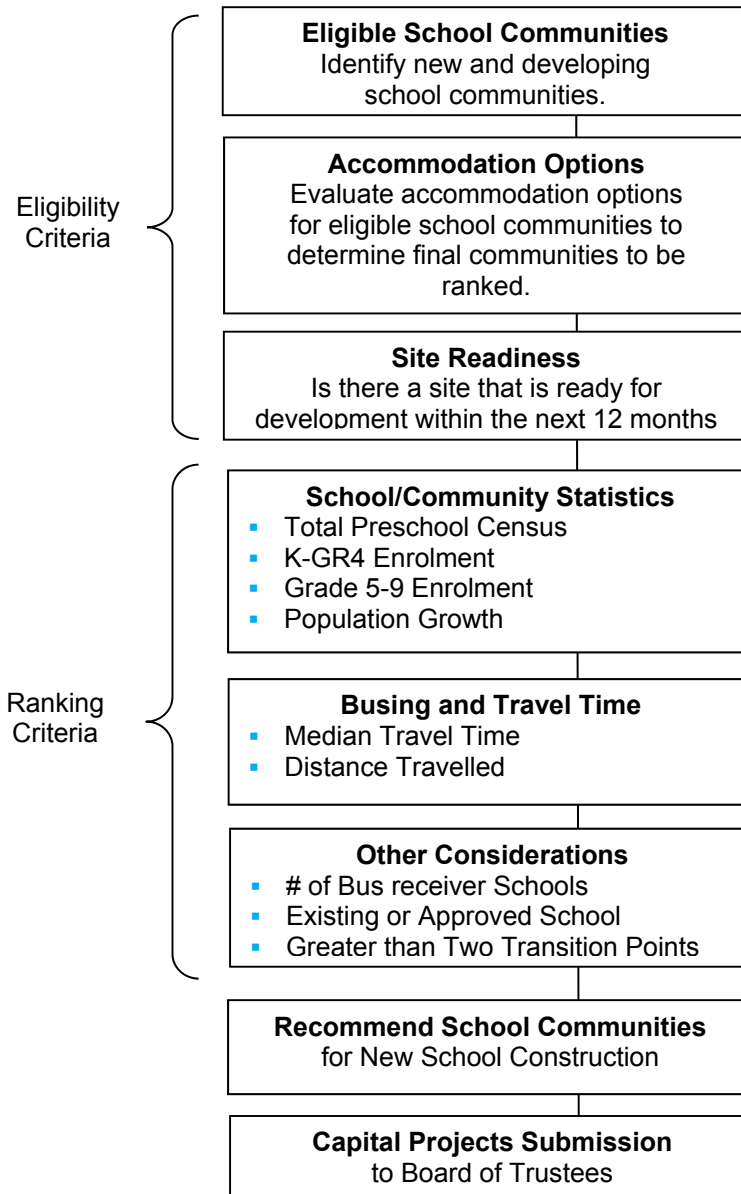
A transition point occurs when a cohort group of students move from one school to another. Typically a cohort group of students will have one transition point and move once between kindergarten and GR9 (e.g. K-GR4 in one school and GR5-9 in another or K-GR6 in one school and GR7-9 in another). In some 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). The number of points awarded to a community in this situation will increase to align with the change to using actual preschool census and enrolment statistics.

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 need.
- Schools with unique settings or enrolments that cannot be easily ranked are also 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

The list of top-ranked school communities for kindergarten to Grade 9 to be included in this year's Plan are below:

School Communities					
Rank	Community	Points	Area	Sector	Grade
1	Martindale Elementary <sup>(2)</sup>	n/a	III	5	K-4
2	**Springbank Hill/Discovery Ridge Middle	n/a	IV	6	GR5-9
3	Silverado Elementary	n/a	V	9	K-4
4	Cranston Elementary <sup>(2)</sup>	1608	V	9	K-4
5	Coventry Hills/Country Hills Village Elementary <sup>(2)</sup>	1601	II	4	K-4
6	Evergreen Elementary <sup>(2)</sup>	1586	V	9	K-4
7	Cougar Ridge Elementary	1140	IV	6	K-4
8	Kincora Elementary	1069	II	4	K-4
9	**Country Hills/Harvest Hills Elementary	1053	II	4	K-4
10	**Skyview Ranch (incl. Cityscape) Elementary	1045	III	5	K-4
11	Auburn Bay Middle	988	V	9	GR5-9
12	Evanston Middle	963	II	4	GR5-9
13	Signal Hill Middle	947	IV	6	GR5-9
14	Valley Ridge/Crestmont Elementary	776	I	1	K-4
15	Sage Hill Elementary	760	II	4	K-4
16	**Harvest Hills/Country Hills Middle	673	II	4	GR5-9
17	Aspen Woods Middle	643	IV	6	GR5-9
18	Mahogany Elementary	640	V	9	K-4

**Notes:** <sup>(2)</sup> Indicates second K-4 school  
 \*\* Combined Country Hills/Harvest Hills into K-9 grade configuration  
 \*\* Combined Springbank Hill/Discovery Ridge into K-9 grade configuration  
 \*\* Combined Skyview Ranch into K-9 grade configuration  
 n/a - Design Only Schools - exempted from point ranking process

CBE school communities ranked for elementary and middle/junior high schools 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 ranking for all school communities with points are included in Appendix III.



The new ranking criteria uses actual numbers of students and potential students rather than assigning a value for a range of students as occurred with the previous criteria. It is anticipated that this change will result in less ties for placement. In the case of a tie in ranking the following will be used to determine priority between the tied projects:

- An elementary school ranking for a community will have priority over a middle school ranking.
- A community without a school will be given priority over a community with an approved school or existing school.
- A community with a middle school ranking will be given priority over a community with an approved or existing elementary and middle school.
- Further ties will be broken on total points of the first two community ranking categories. In the case where it is still tied, the first community ranking category points only will be used.

### 3.3 Construction Planning Criteria: Senior High Schools

The Area-based approach is used to evaluate projects for new senior high school capital priorities. Utilization rates are listed below:

Senior High Area Utilization		
Area	2014-2015 Residence Utilization	2014-2015 Enrolment Utilization
<b>Area I</b>	113.04%	84.60%
<b>Area II</b>	60.20%	89.44%
<b>Area III</b>	150.17%	88.03%
<b>Area IV</b>	81.51%	92.66%
<b>Area V</b>	99.36%	89.03%

Notes:

- Student numbers are based on ArcView data as at September 30, 2014
- Capacity as per Alberta Infrastructure's New Utilization Formula 2014 (assuming exemptions)

The greatest demand for new senior high school construction is a 1,800-capacity senior high in the northeast in Area III. This demand will be met by the recent approval of the Northeast High School to be constructed for the September 2016-2017 school year. Utilization rates for the northeast are 150% utilization by residence and 88% utilization by enrolment. This approval will enable students from Castleridge, Coral Springs, Falconridge, Martindale, Taradale and Saddle Ridge to be accommodated closer to home. Currently these students are bused to Area II high schools.

The second highest demand for high school space is in Area V (south and southeast Calgary). Sector 9 has a utilization rate of 328% by residence, and is only served by Centennial High School in the south. Overall, sector 8 and 9 within Area V have a combined utilization by residence of 99% and 89% utilization by enrolment. In October 2014, the CBE received funding from the province to begin design of the new SE High School located in Seton. Obtaining full funding approval to complete this high school will remain a high priority for the CBE.

There is also a demand in Area II to locate high school students closer to home. Sector 4 has a utilization by residence of 237%, and is only served by John G. Diefenbaker. Overall, sector 3 and 4 within Area II have a combined utilization by residence of 60% and utilization by enrolment of 89%.

### 3.4 Construction Priorities: Senior High Schools

Senior high schools (see **Map 4**) are not ranked using point criteria but are recommended on the new school construction priority list based on need. In assessing the priority for new high schools, Administration will analyze demographic information (including current and future student populations); factors such as the availability of space in existing high schools and proximity of that space to student populations and The City of Calgary's projected growth for the sector the future high school will serve.

#### **Southeast High School**

A new high school is required in the far southeast. The southeast sector is the fastest growing area in the city, which is expected to increase approximately 39,000 persons by 2018. This represents approximately 35% of the forecast city growth in terms of total housing units. Development in the five to ten year time frame is expected to continue in the 35% range. Sector 9 in Area V has a large student population by residence with 4,531 senior high students and is only served by Centennial High School in the far south with a capacity of 1,526 students.

Southeast communities, north of Highway 22X, consist of McKenzie Lake, Douglasdale/Glen, McKenzie Towne, New Brighton, Copperfield, and all students are designated to Lord Beaverbrook High, located in the Acadia community. These communities have a build-out population of 72,500 persons and currently have 1,422 students attending CBE high schools for Grades 10 -12. Most of these communities are either built-out or close to being built-out with the exception of Copperfield which is 63% built-out.

Students residing in the communities south of highway 22X consist of Cranston (designated to Lord Beaverbrook High), Auburn Bay, Walden (designated to Dr. E.P. Scarlett High) and Mahogany (designated to Henry Wise Wood High). These four communities have a build-out population of 83,200 persons and currently have 497 students attending CBE high schools for Grades 10 -12. Auburn Bay, Mahogany and Walden are in the early stages of development while Cranston is approximately 62% built-out. Student high school numbers will increase significantly over time.

A 25 acre senior high school site is located in the Seton community near the new Southeast Hospital. A future City recreation centre is on the same site as the high school. A build-out population of 60,000 - 70,000 people can generate 1,800 students in Grades 10-12 to be accommodated in the high school. Based on a mixture of established, new and developing communities, a new high school will operate at 100% capacity for many years to come. Future accommodation plans and designated communities will be developed over time based on the timing of the funding for completion and opening.

## **North High School**

A new high school is also required in the far north to provide accommodation closer to home for students in outlying areas. The north sector is the second fastest growing area in the city, which is expected to increase approximately 25,000 persons by 2018. This represents approximately 20% of the forecast city growth in terms of total housing units.

Area II is the least utilized area in the City at the high school level with a 60% utilization rate (Appendix 1, Table 2); however, the schools are not in close proximity to where the students reside. Sector 4 of Area II, consists of the northernmost communities and has a large student population by residence with 3,175 senior high students and utilization by residence of 237%. John G. Diefenbaker, located at 64 Avenue and Centre Street N is the only high school in Sector 4 with a capacity of 1,300 students.

Sector 3 is also in Area II and has four senior high schools and a very low utilization by residence of 23%. This is due to four high schools in Sector 3 with a capacity of 6,080 student spaces and only 1,350 students in the sector. This large amount of capacity makes the North High School less of a pressure point than the Southeast High School. This capacity is somewhat misleading as William Aberhart High, with a capacity of 1,600 student spaces, is in Sector 3 and essentially serves northwest students in Area I; however, utilization by residence would be still in the 30% range even with William Aberhart removed from capacity.

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. These five communities have a build-out population in the range of 67,000 persons and currently have 1,666 students attending CBE high schools for Grades 10 - 12. All of the above communities are essentially built-out.

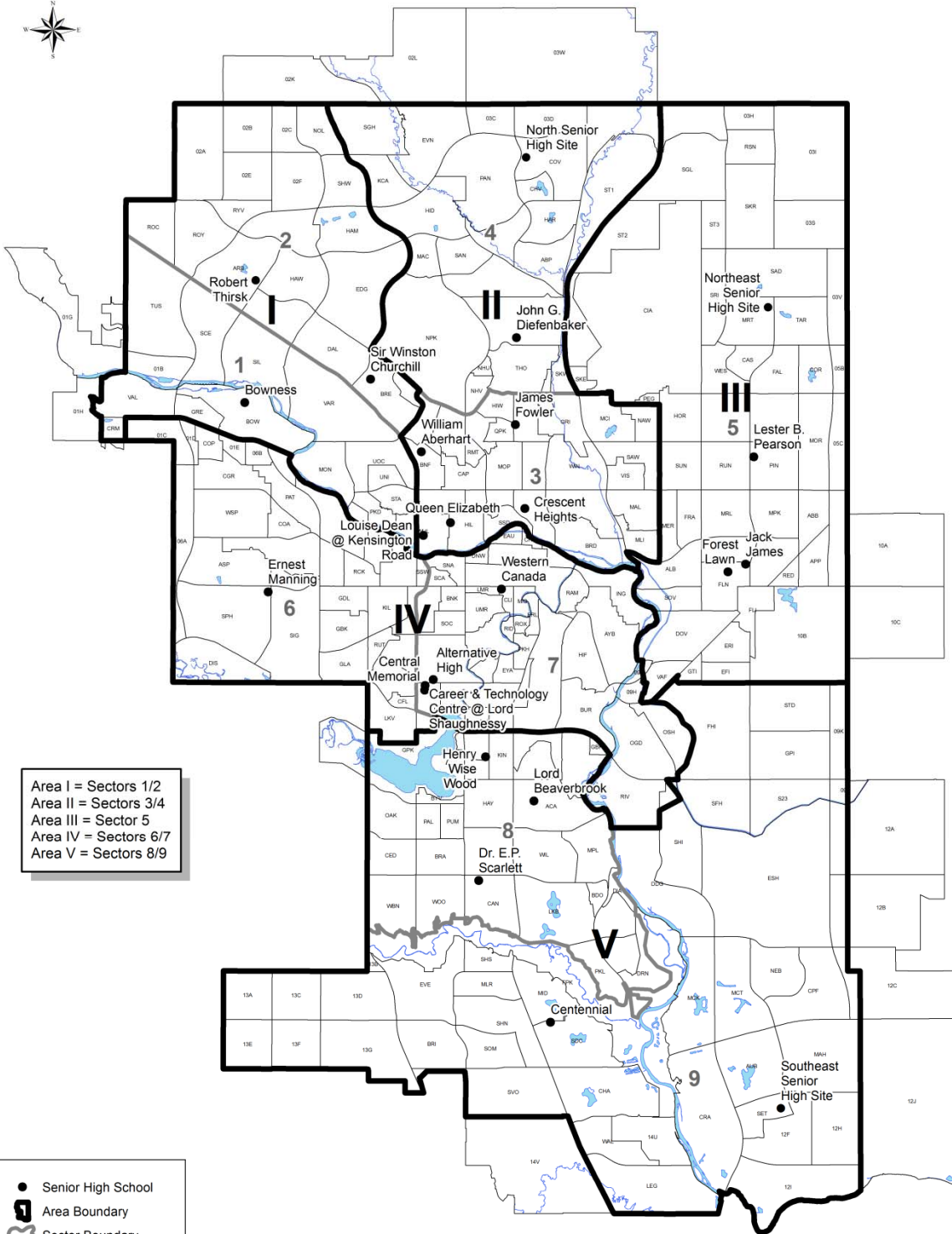
The communities above attend four different CBE schools in Area II consisting of Crescent Heights (Coventry Hills, including Country Hills Village, Hidden Valley), Queen Elizabeth (Country Hills - south) James Fowler (Country Hills – north) and John G. Diefenbaker (Panorama Hills, Harvest Hills). John G. Diefenbaker is the closest school in the Huntington Hills community. Students attending Crescent Heights and Queen Elizabeth having long travel times to the inner city communities north of the Bow River in Crescent Heights and West Hillhurst.

It is expected James Fowler will lose up to 1,000 students when the Northeast High School opens. This will enable space in James Fowler to be available for students from communities of Coventry Hills, Country Hills Village, Hidden Valley and/or Country Hills south as space permits.

A 23.6 acre senior high school site is located in the Coventry Hills community on Coventry Hills Way NE. Based on a mixture of established, new and developing communities, a new North High School will operate at 100% capacity for many years to come.



### Senior High Schools and Future Senior High Sites Located within Administrative Area and Sector Boundaries



Area I = Sectors 1/2  
 Area II = Sectors 3/4  
 Area III = Sector 5  
 Area IV = Sectors 6/7  
 Area V = Sectors 8/9

Prepared by: Planning, Transportation and Environmental Services  
 January 2013  
 Map: Current and Future Sr High.mxd

## 4.0 THREE-YEAR SCHOOL CAPITAL PLAN 2016-2019 – 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, economical, 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.

In 2014 seven new school construction priorities and three major modernizations have received full funding approval. Additionally, four priorities have been approved as full schools and four priorities have received funding approval for initial design only.

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 2014 Alberta Infrastructure support prices. Sections 5.0 and 6.0 provide details of the recommended projects.

Projects are listed in order of priority. Obtaining full funding approval for the six design only projects will be a top priority for the CBE in the 2016-2019 School Capital Plan. Despite the recent CBE capital project approvals, 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**.

Table 1: New School Construction					
Three-Year School Capital Plan 2016-2019 Priorities					
Priority Ranking – Project Description					
YEAR 1					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
C-1 <sup>1</sup> **Southeast Calgary High	Gr. 10-12	Design Only	Full buildout to 1800	52,000,000	2
C-2 **Martindale Elementary <sup>(2)</sup>	K-4	Design Only	Full buildout to 600	16,200,000	2
C-3 **Springbank Hill/Discovery Ridge Elementary/Middle	K-9	Design Only	Full buildout to 900	26,500,000	7
C-4 **Silverado Elementary	K-4	Design Only	Full buildout to 600	16,200,000	2
C-5 Cranston Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	1
C-6 Coventry Hills/Country Hills Village Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	0
C-7 Evergreen Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	2
C-8 Cougar Ridge Elementary	K-4	New Request	Full buildout to 600	16,200,000	2
C-9 Kincora Elementary	K-4	New Request	Full buildout to 600	16,200,000	3
				YEAR 1 TOTAL	191,900,000
YEAR 2					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
C-10 <sup>1</sup> North Calgary High	Gr. 10-12	New Request	Full buildout to 1800	52,000,000	2
C-11 <sup>1</sup> Performing Arts School	Gr. 10-12	New Request	Full buildout to 400	27,000,000	2
C-12 Harvest Hills/Country Hills Elementary/Middle	K-9	New Request	Full buildout to 900	26,500,000	2
C-13 Skyview Ranch Elementary/Middle	K-9	New Request	Full buildout to 900	26,500,000	2
C-14 Auburn Bay Middle	GR5-9	New Request	Full buildout to 900	26,500,000	1
C-15 Evanston Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	2
				YEAR 2 TOTAL	185,000,000
YEAR 3					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
C-16 Signal Hill Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	2
C-17 Valley Ridge/Crestmont Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
C-18 Sage Hill Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
C-19 Aspen Woods Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	1
C-20 Mahogany Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
				YEAR 3 TOTAL	101,600,000
				GRAND TOTAL	478,500,000

Note: <sup>1</sup> Senior high schools are not ranked using point criteria. See page 28.

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

\*\* Funding Approval for Design Only School



**Table 2: School Major Modernizations**

Three-Year School Capital Plan 2016-2019 Priorities				
Priority Ranking – Project Description				
<b>YEAR 1</b>				
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)
M-1 **Lord Beaverbrook High School	Gr. 10-12	Scope Only	Major Modernization	30,000,000
M-2 **James Fowler High School	Gr. 10-12	Scope Only	Major Modernization	20,000,000
M-3 Forest Lawn High School	Gr. 10-12	Major Modernization	Major Modernization	24,000,000
M-4 John Diefenbaker High School	Gr. 10-12	Major Modernization	Major Modernization	18,000,000
			<b>YEAR 1 TOTAL</b>	<b>92,000,000</b>
<b>YEAR 2</b>				
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)
M-5 Kingsland Centre	Gr. 10-12	Major Modernization	Major Modernization	6,000,000
M-6 Nickle School	Gr. 5-9	Major Modernization	Major Modernization	14,000,000
M-7 Janet Johnstone School	Gr. K-4	Major Modernization	Major Modernization	9,000,000
M-8 Annie Foote School	Gr. K-6	Major Modernization	Major Modernization	12,000,000
			<b>YEAR 2 TOTAL</b>	<b>41,000,000</b>
<b>YEAR 3</b>				
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)
M-9 Cedarbrae School	Gr. K-6	Major Modernization	Major Modernization	9,000,000
M-10 Ernest Morrow School	Gr. 6-9	Major Modernization	Major Modernization	16,000,000
M-11 Altadore School	Gr. K-6	Major Modernization	Major Modernization	10,000,000
M-12 Ranchlands School	Gr. K-6	Major Modernization	Major Modernization	9,000,000
M-13 Queen Elizabeth School	Gr. K-6	Major Modernization	Major Modernization	10,000,000
			<b>YEAR 3 TOTAL</b>	<b>54,000,000</b>
			<b>GRAND TOTAL</b>	<b>187,000,000</b>

Note: \*\* Funding Approval for Scope Only School

**Table 3: New School Construction and Major Modernizations**

Three-Year School Capital Plan 2016-2019 Priorities					
Priority Ranking – Project Description					
<b>YEAR 1</b>					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
1 <sup>1</sup> **Southeast Calgary High	Gr. 10-12	Design Only	Full buildout to 1800	52,000,000	2
2 **Lord Beaverbrook High School	Gr. 10-12	Scope Only	Major Modernization	30,000,000	6
3 **James Fowler High School	Gr. 10-12	Scope Only	Major Modernization	20,000,000	6
4 **Martindale Elementary <sup>(2)</sup>	K-4	Design Only	Full buildout to 600	16,200,000	2
5 **Springbank Hill/Discovery Ridge Elementary/Middle	K-9	Design Only	Full buildout to 900	26,500,000	7
6 **Silverado Elementary	K-4	Design Only	Full buildout to 600	16,200,000	2
7 Forest Lawn High School	Gr. 10-12	Modernization Request	Major Modernization	24,000,000	6
8 Cranston Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	1
9 Coventry Hills/Country Hills Village Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	0
10 Evergreen Elementary <sup>(2)</sup>	K-4	New Request	Full buildout to 600	16,200,000	2
11 John Diefenbaker High School	Gr. 10-12	Modernization Request	Major Modernization	18,000,000	6
12 Cougar Ridge Elementary	K-4	New Request	Full buildout to 600	16,200,000	2
13 Kincora Elementary	K-4	New Request	Full buildout to 600	16,200,000	3
				<b>YEAR 1 TOTAL</b>	<b>283,900,000</b>
<b>YEAR 2</b>					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
14 Kingsland Centre	Gr. 10-12	Modernization Request	Major Modernization	6,000,000	6
15 <sup>1</sup> North Calgary High	Gr. 10-12	New Request	Full buildout to 1800	52,000,000	2
16 <sup>1</sup> Performing Arts School	Gr. 10-12	New Request	Full buildout to 400	27,000,000	2
17 Nickle School	Gr. 5-9	Modernization Request	Major Modernization	14,000,000	7
18 Janet Johnstone School	Gr. K-4	Modernization Request	Major Modernization	9,000,000	0
19 Harvest Hills/Country Hills Elementary/Middle	K-9	New Request	Full buildout to 900	26,500,000	2
20 Skyview Ranch Elementary/Middle	K-9	New Request	Full buildout to 900	26,500,000	2
21 Auburn Bay Middle	GR5-9	New Request	Full buildout to 900	26,500,000	1
22 Evanston Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	2
23 Annie Foote School	Gr. K-6	Modernization Request	Major Modernization	12,000,000	0
				<b>YEAR 2 TOTAL</b>	<b>226,000,000</b>
<b>YEAR 3</b>					
Community/School	Grade	Project Status	Request Type	2015 Cost (\$)	Number of Years Listed in Capital Plan
24 Cedarbrae School	Gr. K-6	Modernization Request	Major Modernization	9,000,000	0
25 Signal Hill Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	2
26 Ernest Morrow School	Gr. 6-9	Modernization Request	Major Modernization	16,000,000	1
27 Altadore School	Gr. K-6	Modernization Request	Major Modernization	10,000,000	7
28 Valley Ridge/Crestmont Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
29 Sage Hill Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
30 Aspen Woods Middle	Gr.5-9	New Request	Full buildout to 900	26,500,000	1
31 Ranchlands School	Gr. K-6	Modernization Request	Major Modernization	9,000,000	0
32 Queen Elizabeth School	Gr. K-6	Modernization Request	Major Modernization	10,000,000	0
33 Mahogany Elementary	K-4	New Request	Full buildout to 600	16,200,000	1
				<b>YEAR 3 TOTAL</b>	<b>155,600,000</b>
				<b>GRAND TOTAL</b>	<b>665,500,000</b>

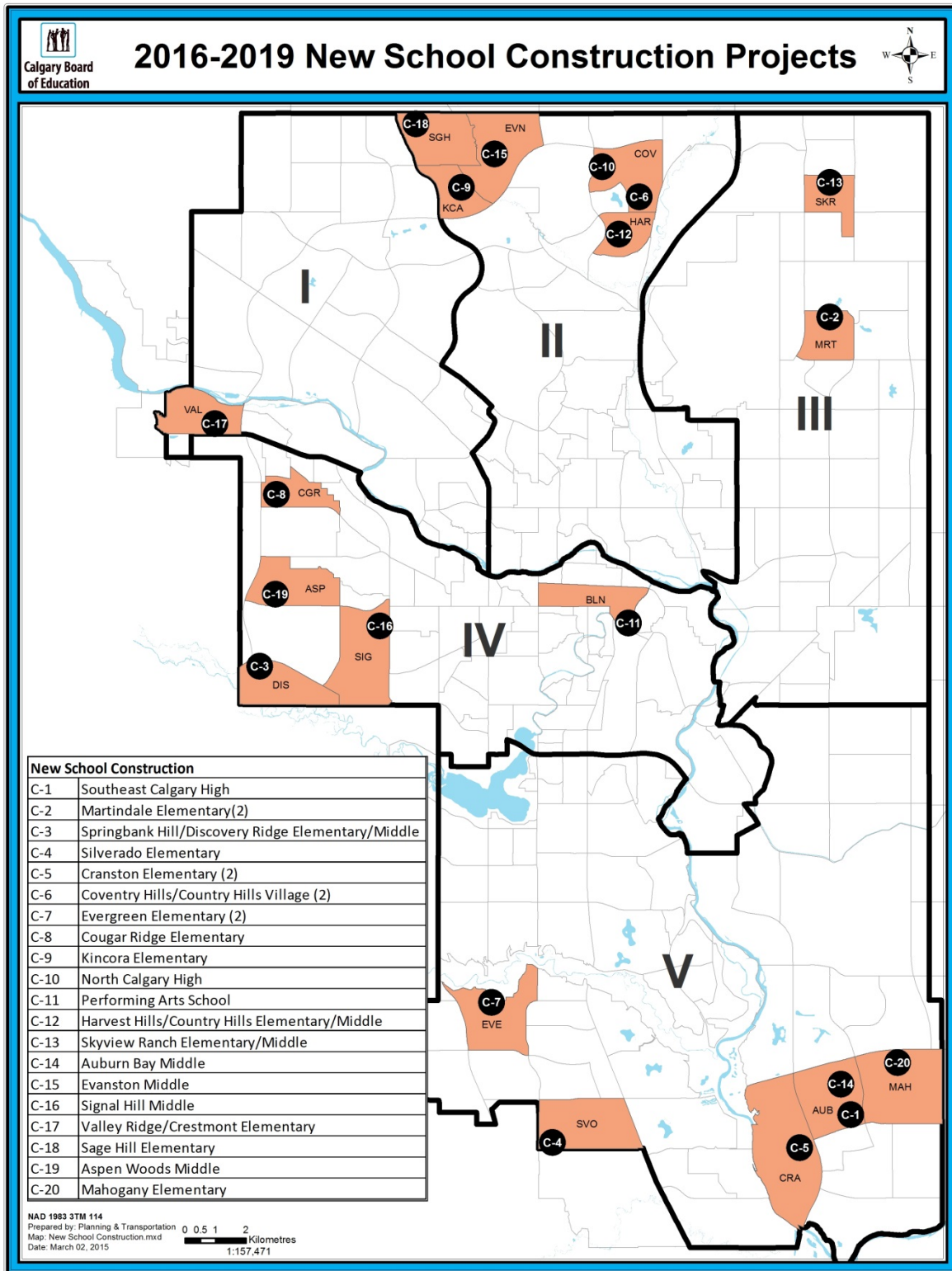
Note: <sup>1</sup> Senior high schools are not ranked using point criteria. See page 28.

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

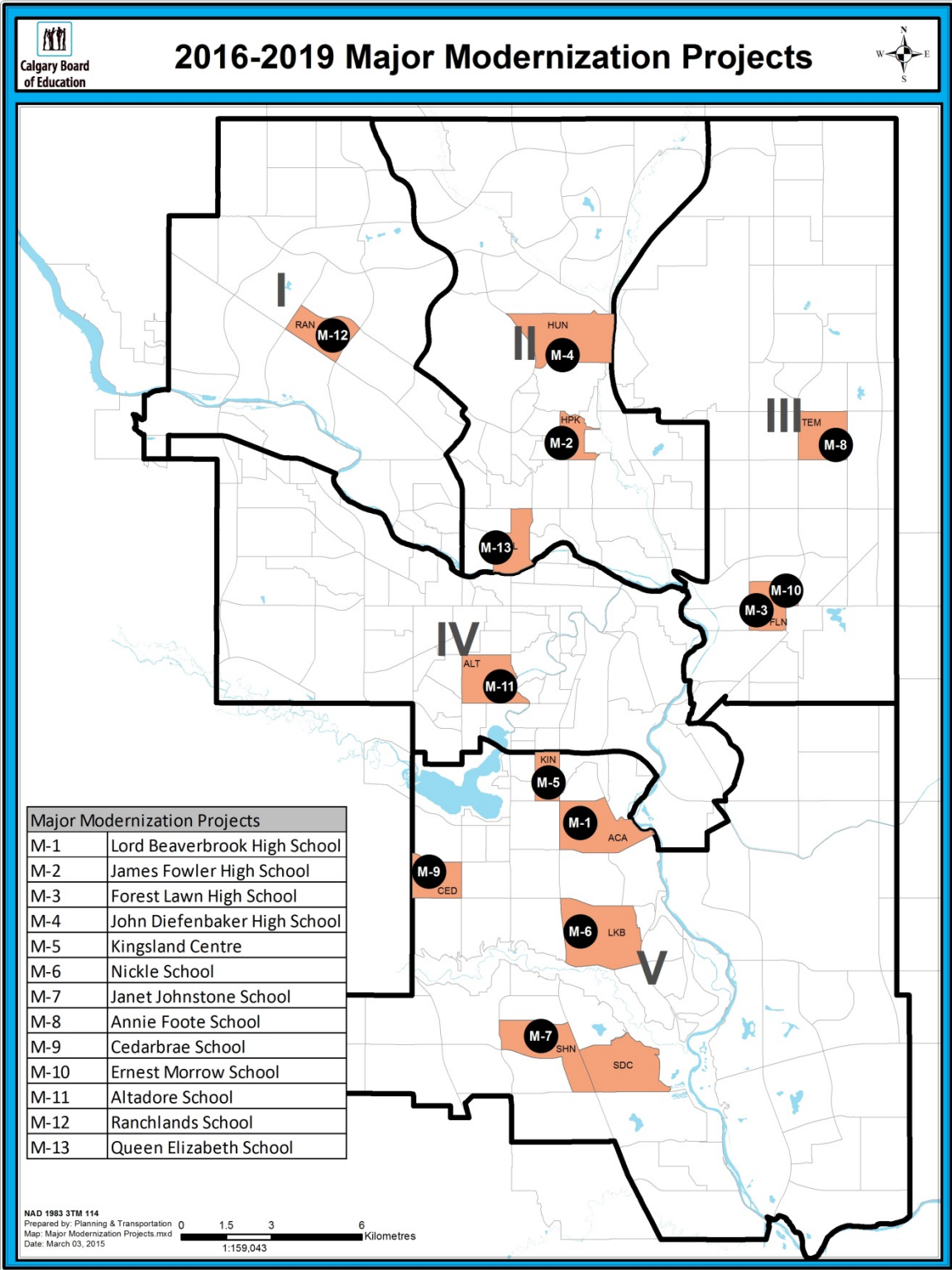
\*\* Funding Approval for Design or Scope Only School



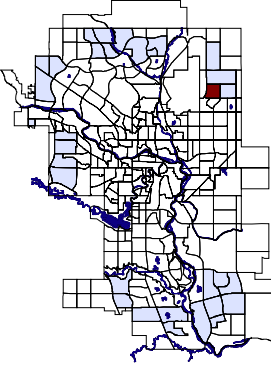
2016-2019 - New School Construction Projects



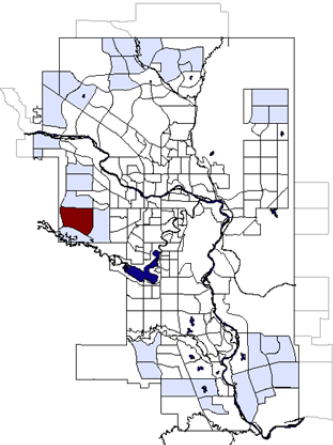
2016-2019 – Major Modernization Projects



<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-1 Southeast Calgary High</b>	
<b>School Community Profile</b>	
<p><b>The Southeast High School</b> will serve the residents of the developing and established southeast communities south and north of Highway 22X and east of the Bow River.</p>	
<ul style="list-style-type: none"> <li>▪ Southeast students attend Lord Beaverbrook High, Dr. E.P. Scarlett and Henry Wise Wood High. The closest high school, Centennial High, is full and accommodates communities in the south.</li> <li>▪ A 25 acre senior high school site is located in the Seton community near the new southeast hospital. A future city recreation centre is on the same site.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ Area V is comprised of Sector 8 and 9 and has a utilization rate by residence of 103%. Sector 9, consisting of new communities has a utilization rate of 257% by residence.</li> <li>▪ Centennial High School has a utilization rate by enrolment of 107% and cannot accommodate southeast communities. Prior to the Three Year School Capital Plan 2014-2017, an additional wing was requested at Centennial High School for the previous 3 years. Due to the anticipated future growth in SE Calgary, the request for an additional wing was replaced with a request for a new high school in SE Calgary starting with last year's capital plan submission.</li> <li>▪ Lord Beaverbrook High School has a provincial capacity of 2,415 student spaces and a utilization rate by enrolment of 85%. Currently, five new and developing southeast communities are designated to this school. Auburn Bay and Mahogany cannot be accommodated in the long term and are directed to other high schools.</li> <li>▪ Dr. E.P. Scarlett High School has a net capacity of 1760 student spaces for a utilization rate by enrolment of 99%.</li> <li>▪ The five communities north of Highway 22X currently have 1,344 students attending CBE high schools for Grades 10 -12. These three communities south of Highway 22X currently have 398 students attending CBE high schools for Grades 10 -12. Henry Wise Wood High School is a long bus ride for Mahogany students.</li> </ul>	
<b>Site Planning and Transportation</b>	
Communities in the southeast are bused to three different Area V schools.	
<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 \$52 million, including the CTS space allowance and an allowance for CTS equipment in the amount of \$400,000.</li> </ul>	

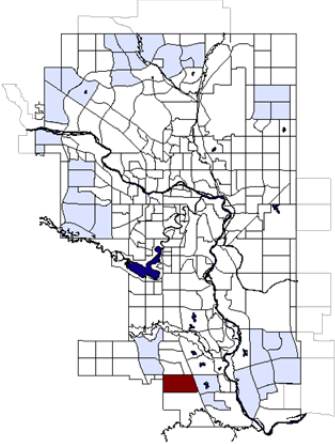
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>	
<b>New School Construction</b>		
<b>Priority C-2 Martindale Elementary <sup>(2)</sup></b>		
<b>School Community Profile</b>		
<ul style="list-style-type: none"> <li>▪ The <b>Martindale Community</b> began development in 1983 and is located in the northeast sector of the City, immediately west of the Taradale community, south of 80 Avenue NE and north of the community of Castleridge.</li> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units in Martindale was 3,950 with a population of 14,761.</li> <li>▪ The community had an average annual population growth of 591 persons during the past three-year period.</li> </ul>		
<b>Enrolment Profile</b>		
<ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, there were 1,350 total preschool-aged children.</li> <li>▪ As of September 30, 2014, there were 1,063 kindergarten to Grade 4 students residing in the Martindale community that attended CBE schools. There is a demand for a stand-alone elementary school in Martindale.</li> </ul>		
<b>Site Planning and Transportation</b>		
<ul style="list-style-type: none"> <li>▪ There is one elementary/junior high school (Crossing Park School), one elementary site and one senior high site in Martindale. Crossing Park School (K-GR9) has a capacity of 990 students.</li> <li>▪ Not all elementary students can be accommodated in Crossing Park School. Martindale elementary students are bused to Grant MacEwan Elementary located in the Falconridge community and Annie Foote Elementary School in the Temple community. Median travel time to Grant MacEwan School and Annie Foote School is 15 minutes.</li> <li>▪ Based upon projected student growth, a second bus receiver school will be needed within two years.</li> </ul>		
<b>Recommendation</b>		
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces.</li> <li>▪ Once the new elementary school is constructed, Crossing Park School will be reconfigured to become a middle school that will serve the Martindale community. The two schools will operate as separate schools with appropriate grade configurations to accommodate student demand.</li> <li>▪ The total project cost is budgeted at \$16.2 million.</li> </ul>		

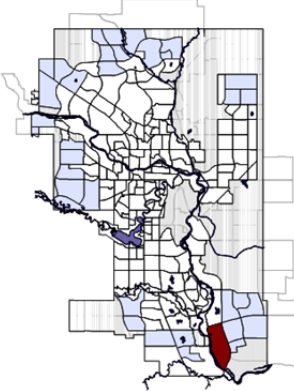
Note: (2) = second elementary school for the community

<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C- 3 Springbank Hill/Discovery Ridge Elementary/Middle</b>	
<b>School Community Profile</b>	
<p><b>Springbank Hill Community</b> began development in 1997 and is located west of 69 Street SW, north of Glenmore Trail SW/Highway 8, and east of the City Limits.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units was 3,180 with a population of 9,640. The community is planned for an estimated 4,547 housing units with a population capacity of 12,700 to 13,300.</li> <li>▪ The community had an average annual population growth of 417 persons during the past three-year period.</li> </ul> <p><b>Discovery Ridge Community</b> began development in 1995 and is located in the West sector of the City, south of Glenmore Trail SW/Highway 8, at 69 Street SW and north of the Elbow River.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units was 1,632 with a population of 4,462.</li> <li>▪ The population has been stable the past three years.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of September 30, 2014, there were 375 kindergarten to Grade 4 students and 267 Grades 5-9 students residing in the Springbank Hill community who attended CBE schools.</li> <li>▪ As of September 30, 2014, there were 180 kindergarten to Grade 4 students and 168 Grades 5-9 students residing in the Discovery Ridge community who attended CBE schools.</li> </ul>	

<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C- 3 Springbank Hill/Discovery Ridge Elementary/Middle</b>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ There is one elementary site and one middle school site in Springbank Hill. The Ernest Manning High School is also in Springbank Hill. There is one elementary site in Discovery Ridge. Due to the size of the two communities a combined elementary/middle K-GR9 school is recommended.</li> <li>▪ Springbank Hill K-GR6 students are currently bused to Battalion Park School located in the Signal Hill community in Area IV and Glenbrook School located in the community of Glenbrook in Area IV. Median travel time for Battalion Park School and Glenbrook School is 17 minutes. Discovery Ridge K-GR6 students are currently bused to Jennie Elliott School which is located in the Lakeview community. Median travel time to Jennie Elliott is 20 minutes.</li> <li>▪ Springbank Hill Grade 7-9 students are bused to A.E. Cross School which is located in the Glenbrook community. Discovery Ridge students are bused to Bishop Pinkham School which is located in the Lakeview community. Median travel time to Springbank Hill School and Discovery Ridge School is 24 minutes.</li> <li>▪ Based upon projected student growth, a second bus receiver school may be needed within two years.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct an elementary/middle school for 500 kindergarten – Grade 9 students complete with space to support a modular addition for 400 students in 16 units. The capacity of the school will be 900 student spaces.</li> <li>▪ The total project cost is budgeted at \$26.5 million, including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>	

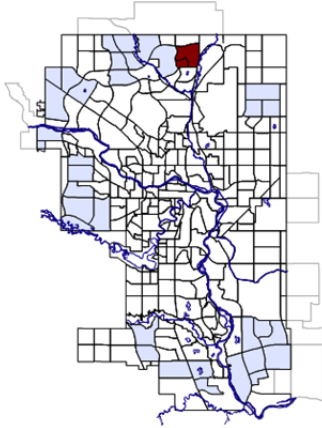


<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>	
<b>New School Construction</b>		
<b>Priority C- 4 Silverado Elementary</b>		
<b>School Community Profile</b>		
<p><b>Silverado Community</b> began development in 2005 and is located south of Highway 22X, east of Spruce Meadows and west of MacLeod Trail SW.</p> <ul style="list-style-type: none"> <li>As of the April 2014 Census, the total number of occupied dwelling units was 2,093 with a population of 6,305.</li> <li>The community is planned for an estimated 6,171 housing units with a population capacity of 16,600 to 17,500.</li> <li>The community had an average annual population growth of 656 persons during the past three-year period.</li> </ul>		
<b>Enrolment Profile</b>		
<ul style="list-style-type: none"> <li>As of the April 2014 Census, there were 687 total preschool-aged children.</li> <li>As of September 30, 2014, there were 251 kindergarten to Grade 4 students residing in the Silverado community who attended CBE schools.</li> </ul>		
<b>Site Planning and Transportation</b>		
<ul style="list-style-type: none"> <li>Silverado students are currently bused to Ethel M. Johnson School, which is located in the Southwood community. Travel time to Ethel M. Johnson is 22 minutes.</li> </ul>		
<b>Recommendation</b>		
<ul style="list-style-type: none"> <li>Construct a core elementary K-GR4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces.</li> <li>The total project cost is budgeted at \$16.2 million.</li> </ul>		

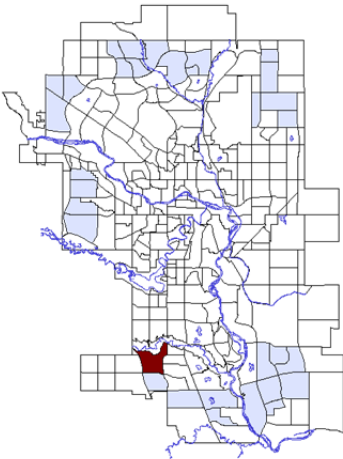
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C- 5 Cranston Elementary <sup>(2)</sup></b>	
<b>School Community Profile</b>	
<p><b>Cranston Community</b> began development in 1999 and is located south of Marquis of Lorne Trail SE and west of Deerfoot Trail SE.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units was 5,329 with a population of 15,354.</li> <li>▪ The community is planned for an estimated 8,546 housing units with a population capacity of 22,400 to 23,500.</li> <li>▪ The community had an average annual population growth of 1,508 persons during the past three-year period.</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, there were 1628 total preschool-aged children in Cranston.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Cranston School (K-GR4) opened January 2010. There is one middle school site in Cranston and one more elementary site.</li> <li>▪ The existing K-GR4 school in the community is over capacity. Students that cannot be accommodated at Cranston School are designated to McKenzie Lake School.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-Grade 4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$16.2 million.</li> </ul>	

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

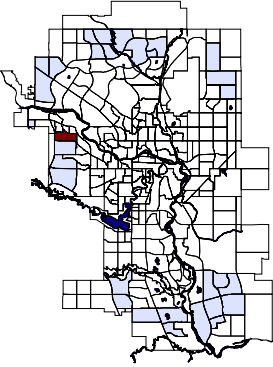


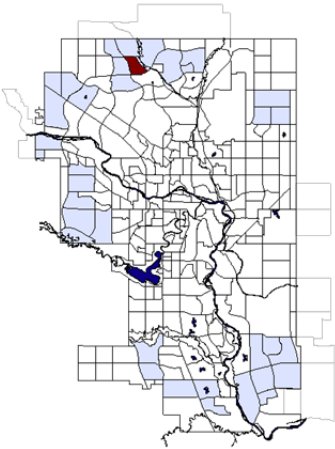
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-6 Coventry Hills/Country Hills Village Elementary <sup>(2)</sup></b>	
<b>School Community Profile</b>	
<p><b>Coventry Hills Community</b> began development in 1991 and is located in north Calgary, north of Country Hills Boulevard NW. The community includes Country Hills Village.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units was 6,706 with a population of 19,651.</li> <li>▪ The community had an average annual population growth of 529 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, there were 1,649 total preschool-aged children in Coventry Hills/Country Hills Village.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Coventry Hills School (K-GR4) opened February 2003. Nose Creek Middle School opened in September 2012. There is one more elementary school site in Coventry Hills.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-Grade 4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$16.2 million.</li> </ul>	

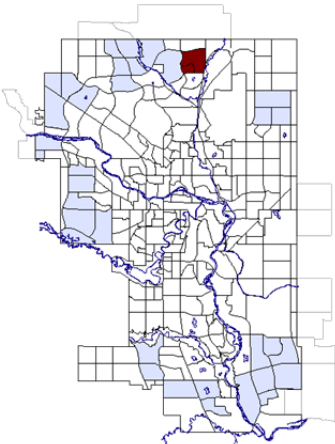
Note: (2) = second elementary school for the community

<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-7 Evergreen Elementary <sup>(2)</sup></b>	
<b>School Community Profile</b>	
<p><b>Evergreen Community</b> began development in 1990 and is situated west of James McKeivitt Road SW and north of 162 Avenue SW.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units was 6,976 with a population of 21,386.</li> <li>▪ The community is planned for an estimated 7,836 housing units with a population capacity of 20,700 to 21,800.</li> <li>▪ The community has had an average annual population growth of 633 persons during the past three-year period and is nearing completion.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, there were 1688 total preschool-aged children.</li> <li>▪ As of September 30, 2014, there were 822 kindergarten to Grade 4 students residing in the Evergreen community that attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ There is an elementary K-Grade 4 school located along Fish Creek Boulevard SW with a capacity of 550 student spaces.</li> <li>▪ The north elementary site would be used for the second elementary school. There is a middle school site in Evergreen in the central part of the community.</li> <li>▪ Based upon projected student growth, a second bus receiver school will be needed within two years.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-Grade4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The north elementary site will accommodate long-term enrolment growth for elementary students.</li> <li>▪ The total project cost is budgeted at \$16.2 million.</li> </ul>	

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

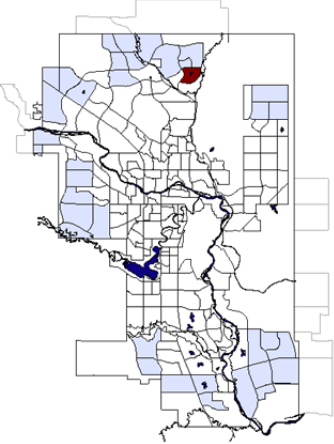
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New School Construction</b>	
<b>Priority C-8 Cougar Ridge Elementary</b>	
<b>School Community Profile</b>	
<ul style="list-style-type: none"> <li>▪ <b>Cougar Ridge Community</b> began development in 2000 and is situated in southwest Calgary, south of Canada Olympic Road SW.</li> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units in Cougar Ridge was 2,086 with a population of 6,702.</li> <li>▪ The community is planned for an estimated 2,640 housing units with an estimated population capacity of 7,900.</li> <li>▪ The community had an average annual population growth of 296 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, there were 761 total preschool-aged children.</li> <li>▪ As of September 30, 2014, there were 319 kindergarten to Grade 4 students residing in Cougar Ridge that 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 Elementary, which is located in the Rosscarrock community in Area IV. Median travel time to Rosscarrock is 17 minutes.</li> </ul>	
<b>Accommodation Planning</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 300 students complete with space to support a modular addition for 300 students in four units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$16.2 million.</li> </ul>	

<b>5.0</b>	<b>2016-2019 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 2014 Census, the total number of occupied dwelling units was 1,637 with a population of 5,398.</li> <li>▪ The community is planned for an estimated 4,757 housing units with a population capacity of 11,200 to 11,800.</li> <li>▪ The community had an average annual population growth of 258 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, there were 580 total preschool-aged children.</li> <li>▪ As of September 30, 2014, there were 349 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. Travel time to Simons Valley is 21 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-GR4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces. Based on growth, a decision can be made on a K-GR6 grade configuration.</li> <li>▪ The total project cost is budgeted at \$16.2 million.</li> </ul>	

<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-10 North Calgary High</b>	
<b>School Community Profile</b>	
<p><b>The North 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>▪ A 24 acre site in the west portion of Coventry Hills is available for a new senior high school.</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ Area II is comprised of Sector 3 and 4 and has a utilization rate by residence of 60% and a utilization rate by enrolment of 89%. Sector 4 has a utilization rate by residence of 237% and is served by only John G. Diefenbaker High School.</li> <li>▪ John G. Diefenbaker has a provincial capacity of 1,480 student spaces a utilization of 100%.</li> <li>▪ Crescent Heights has a provincial capacity of 2,345 student spaces and utilization of 87%. This bus ride is long for Coventry Hills, Country Hills Village and Hidden Valley students with over 500 students attending from these communities.</li> <li>▪ James Fowler has a provincial capacity of 1,953 student spaces and a utilization of 82%.</li> <li>▪ The Northern Hills communities (Harvest Hills, Country Hills, Country Hills Village, Coventry Hills (north/south), Panorama Hills and Hidden Valley currently have 1,666 students attending CBE high schools for Grades 10 - 12.</li> </ul>	
<b>Site Planning and Transportation</b>	
Several communities in the north are bused significant distances.	
<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 \$52 million; including the CTS space allowance and an allowance for CTS equipment in the amount of \$400,000.</li> </ul>	

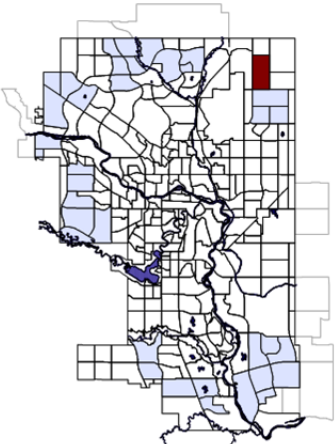
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-11 Performing Arts School</b>	
<b>School Community / Enrolment Profile</b>	
<p>The CBE plans to create a world-class learning centre that supports students wishing to complete high school through Chinook Learning Services and have access to CBE Pathway programs specific to performing arts.</p> <p>The year round flexible learning centre would offer an array of core and extended learning opportunities as part of Chinook Learning ongoing program offerings and support. Additionally, partnerships with such organizations as the National Music Centre, Calgary Central Library, and the EPCOR Centre, would provide pathway and off-campus programs specific to performing arts that would enhance and extend arts focused programs for students throughout the CBE.</p> <p>Facilities that provide high school programs and partner with organizations that support the performing arts would optimize learning opportunities for our students and forge new ways of connecting student to their talents and leadership potential.</p>	
<b>Facility Description</b>	
<p>The CBE has undertaken very preliminary plans for a facility that would comply with standards and expectations of new school facilities approved through Alberta Education for secondary school students.</p> <p>A core school is envisaged as a 400 student capacity secondary school facility with 16 classrooms, a gym and Learning Commons. The estimated cost for the school is \$17 million. Details are for a school with a gross area of approximately 4,100 m<sup>2</sup> for Grades 10-12 students. Key components are:</p> <p>Standard secondary school core curriculum courses:</p> <ul style="list-style-type: none"> <li>▪ English language arts, mathematics, sciences, biology, chemistry, physics, computer studies, social studies, languages</li> </ul> <p>Physical Education: daily requirement (potential off site location)</p> <ul style="list-style-type: none"> <li>▪ Main Gym with bleachers</li> <li>▪ Boys and Girls Change Rooms with showers and washroom</li> <li>▪ Gym storage and chair storage</li> </ul> <p>Learning Commons</p> <ul style="list-style-type: none"> <li>▪ Multi-functional technology rich space, multiple groups of various sizes use the space together</li> <li>▪ Hardwired computers</li> </ul>	

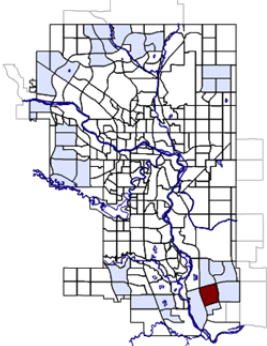
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-11 Performing Arts School</b>	
<b>Facility Description</b>	
<p>In addition to the core school, the need for an adjacent Performing Arts Theatre was evaluated.</p> <p>This facility could include an 800 seat theatre with drama, dance and fitness rooms. Besides spaces for a music and arts program, career and technology program spaces to support the program are considered.</p> <p>The components of a 2200 m<sup>2</sup> Theatre, costing approximately \$10 million, would include the following:</p> <ul style="list-style-type: none"> <li>▪ Foyer lobby/ticket office</li> <li>▪ 800 seat auditorium/theatre 0.75 m<sup>2</sup> per seat</li> <li>▪ Stage</li> <li>▪ Back of Stage</li> </ul> <p>In keeping with flexible and authentic learning requirements for programming, flexible timelines and year round programs would expand the number of students served in this facility and complement events and expectations of these performing artists in local and international venues.</p> <p>The total project cost is estimated to be \$27 million.</p>	


<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New School Construction</b>	
<b>Priority C-12 Harvest Hills/Country Hills Elementary/Middle</b>	
<b>School Community Profile</b>	
<p><b>Harvest Hills Community</b> began development in 1990 and is located south of Country Hills Boulevard NW and east of Harvest Hills Boulevard NW.</p> <ul style="list-style-type: none"> <li>As of the April 2014 Census, the total number of occupied dwelling units was 2,548 with a population of 7,594. The population has been stable the past three years.</li> </ul> <p><b>Country Hills Community</b> began development in 1990 and is located south of Country Hills Boulevard NW and west of Harvest Hills Boulevard NW.</p> <ul style="list-style-type: none"> <li>As of the April 2014 Census, the total number of occupied dwelling units was 1,406 with a population of 3,787. The population has been stable the past three years.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>As of September 30, 2014, there were 176 kindergarten to Grade 4 students and 176 Grades 5-9 students residing in the Harvest Hills community who attended CBE schools.</li> <li>As of September 30, 2014, there were 131 kindergarten to Grade 4 students and 110 Grades 5-9 students residing in the Country Hills community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>There is an elementary/middle site in Harvest Hills. Due to the size of the two communities a combined elementary/middle K-GR9 school is recommended.</li> <li>Harvest Hills K-GR4 students are bused to North Haven School. Country Hills (north) K-GR4 students are bused to Alex Munro School and Country Hills (south) K-GR4 students are bused to Simons Valley School. Median travel time is 24 minutes.</li> <li>Harvest Hills Grades 5-9 students are bused to Colonel Irvine School. Country Hills (north) Grades 5-9 students are bused to Colonel Irvine School and Country Hills (south) Grades 5-9 students are bused to Simon Fraser School. Median travel time is 30 minutes.</li> </ul>	

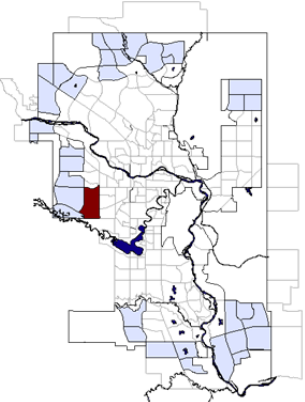


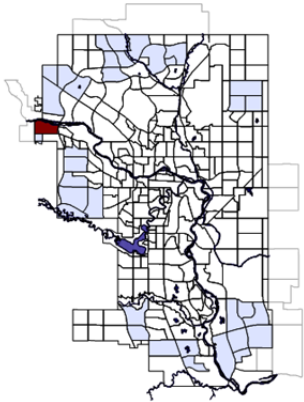
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New School Construction</b>	
<b>Priority C-12 Harvest Hills/Country Hills Elementary/Middle</b>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct an elementary/ middle school for 500 kindergarten - Grade 9 students complete with space to support a modular addition for 400 students in 16 units. The capacity of the school will be 900 student spaces.</li> <li>▪ The total project cost is budgeted at \$26.5 million, including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>	

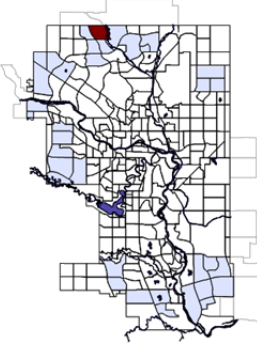
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>	
<b>New Construction</b>		
<b>Priority C-13 Skyview Ranch Elementary/Middle</b>		
<b>School Community Profile</b>		
<p><b>Skyview Ranch Community</b> began development in 2008 and is located south of 128 Avenue NE, and east of Metis Trail NE.</p> <ul style="list-style-type: none"> <li>As of the April 2014 Census, the total number of occupied dwelling units was 2,026 with a population of 6,278.</li> <li>The community is planned for an estimated 10,400 housing units with a population capacity of 21,600 to 22,700.</li> <li>The community had an average annual population growth of 1,491 persons during the past three-year period.</li> </ul>		
<b>Enrolment Profile</b>		
<ul style="list-style-type: none"> <li>As of the April 2014 Census, there were 638 total preschool-aged children.</li> <li>As of September 30, 2014, there were 267 kindergarten to Grade 4 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 students are currently bused to Rundle School, which is located in the Rundle community. Travel time to Rundle School is 31 minutes.</li> </ul>		
<b>Recommendation</b>		
<ul style="list-style-type: none"> <li>Construct a core elementary/middle school for 500 kindergarten – Grade 9 students complete with space to support a modular addition for 400 students in 16 units. The capacity of the school will be 900 student spaces.</li> <li>The total project cost is budgeted at \$26.5 million, including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>		

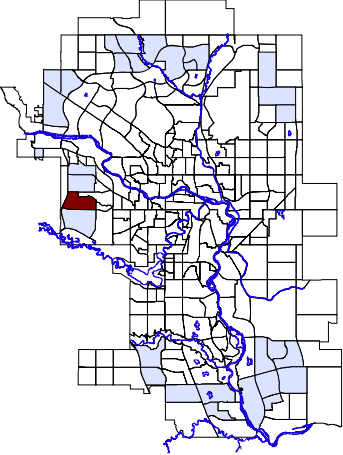
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>	
<b>New Construction</b>		
<b>Priority C-14 Auburn Bay Middle</b>		
<b>School Community Profile</b>		
<p><b>Auburn Bay Community</b> began development in 2005 and is located in the Southeast sector of the City.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units was 3,664 with a population of 11,127.</li> <li>▪ The community is planned for an estimated 6,468 housing units with a population capacity of 17,800 – 18,700.</li> <li>▪ The community had an average annual population growth of 1,786 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, 2014, there were 539 kindergarten to Grade 4 and 329 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 K- Grade 4 was approved February 10, 2014. There is one middle school site in Auburn Bay.</li> <li>▪ Auburn Bay students in Grades 5-9 are currently bused to Nickle School, which is located in the Lake Bonavista community in Area V. Median travel time to Nickle School is 23 minutes.</li> </ul>		
<b>Recommendation</b>		
<ul style="list-style-type: none"> <li>▪ Construct a middle school for 500 Grades 5-9 students complete with space to support a modular addition for 400 students in 16 units. The capacity of the school will be 900 student spaces.</li> <li>▪ The total project cost is budgeted at \$26.5 million, including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>		

<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-15 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 2014 Census, the total number of occupied dwelling units was 3,233 with a population of 10,030.</li> <li>▪ The community is planned for an estimated 6,283 housing units with a population capacity of 17,600 to 18,500.</li> <li>▪ The community had an average annual population growth of 1,380 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of September 30, 2014, there were 505 kindergarten to Grade 4 and 298 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>▪ There are two elementary sites and one middle school site in Evanston.</li> <li>▪ Evanston students are currently bused to G.P. Vanier, which is located in the Winston Heights community in Area II. Median travel time to G.P. Vanier School is 42 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a middle school for 500 Grades 5-9 students complete with space to support a modular addition for 400 students in 16 units. The capacity of the school will be 900 student spaces.</li> <li>▪ The total project cost is budgeted at \$26.5 million including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>	

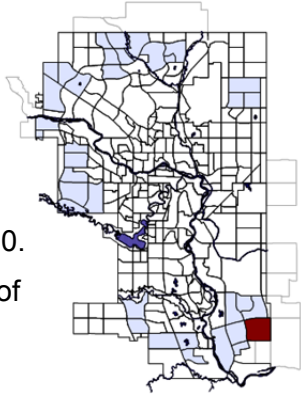
<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-16 Signal Hill Middle</b>	
<b>School Community Profile</b>	
<p><b>Signal Hill Community</b> began development in 1986 and is located west of Sarcee Trail SW and north of Glenmore Trail SW.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units was 5,159 with a population of 13,763.</li> <li>▪ The population has been stable the past three years.</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of September 30, 2014, there were 452 kindergarten to Grade 4 and 405 Grades 5-9 students residing in the Signal Hill community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ The Battalion Park School has been open since 2000 and serves K-Grade 6 students. There is one middle school site in Signal Hill and one more elementary site.</li> <li>▪ Once the new middle school is constructed, Battalion Park School will be reconfigured to become a K-GR4 school. The two schools will operate as separate schools with appropriate grade configurations to accommodate student demand.</li> <li>▪ Signal Hill students are currently bused to A.E. Cross School, which is located in the Glenbrook community in Area IV. Median travel time to A.E. Cross School is 19 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a middle school for 500 Grades 5-9 students complete with space to support a modular addition for 400 students in 16 units. The capacity of the school will be 900 student spaces.</li> <li>▪ The total project cost is budgeted at \$26.5 million including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>	

<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-17 Valley Ridge/Crestmont Elementary</b>	
<b>School Community Profile</b>	
<p><b>Valley Ridge Community</b> began development in 1992 and is located in the Northwest sector of the City.</p> <ul style="list-style-type: none"> <li>As of the April 2014 Census, the total number of occupied dwelling units was 1,868 with a population of 5,518.</li> </ul> <p><b>Crestmont Community</b> began development in 2001 and is located in the Northwest sector of the City.</p> <ul style="list-style-type: none"> <li>As of the April 2014 Census, the total number of occupied dwelling units was 460 with a population of 1,514.</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>As of the April 2014 Census, there were 383 total preschool-aged children in Valley Ridge.</li> <li>As of the April 2014 Census, there were 141 total preschool-aged children in Crestmont.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>There is one elementary school site in Valley Ridge.</li> <li>Valley Ridge and Crestmont students are currently bused to Belvedere Parkway School which is in the community of Bowness. Median travel time to Belvedere Parkway is 24 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>Construct a core elementary K-Grade 4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces.</li> <li>The total project cost is budgeted at \$16.2 million.</li> </ul>	

<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-18 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 2014 Census, the total number of occupied dwelling units was 1,372 with a population of 3,900.</li> <li>▪ The community is planned for an estimated 9,264 housing units with a population capacity of 19,500 – 20,500.</li> <li>▪ The community had an average annual population growth of 825 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, there were 540 total preschool-aged children in Sage Hill.</li> <li>▪ As of September 30, 2014, there were 150 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 in Area I. Median travel time to Hawkwood School is 24 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-Grade 4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$16.2 million.</li> </ul>	

<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-19 Aspen Woods Middle</b>	
<b>School Community Profile</b>	
<p><b>Aspen Woods Community</b> began development in 2001 and is located north of 17 Avenue SE, south of 12 Avenue SE, west of 69 Street SE, and east of the City Limits.</p> <ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, the total number of occupied dwelling units was 2,385 with a population of 7,496.</li> <li>▪ The community is planned for an estimated 3,880 housing units with a population capacity of 10,700 to 11,300.</li> <li>▪ The community had an average annual population growth of 1,009 persons during the past three-year period.</li> </ul>	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of September 30, 2014, there were 299 kindergarten to Grade 4 and 214 Grades 5-9 students residing in the Aspen Woods community who attended CBE schools.</li> </ul>	
<b>Site Planning and Transportation</b>	
<ul style="list-style-type: none"> <li>▪ Aspen Woods students are currently bused to Vincent Massey School, which is located in the Westgate community. Median travel time to Vincent Massey School is 13 minutes.</li> <li>▪ Based upon projected student growth, a second bus receiver school will be needed within two years.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a middle school for 500 Grades 5-9 students complete with space to support a modular addition for 400 students in 16 units. The capacity of the school will be 900 student spaces.</li> <li>▪ The total project cost is budgeted at \$26.5 million including the construction of the new modular units, funding for CTS space and CTS equipment allowance.</li> </ul>	



<b>5.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>New Construction</b>	
<b>Priority C-20 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 2014 Census, the total number of occupied dwelling units was 846 with a population of 2,660.</li> <li>▪ The community is planned for an estimated 12,240 housing units with a population capacity of 30,700 to 32,300.</li> <li>▪ The community had an average annual population growth of 624 persons during the past three-year period.</li> </ul>	
	
<b>Enrolment Profile</b>	
<ul style="list-style-type: none"> <li>▪ As of the April 2014 Census, there were 349 total preschool-aged children in Mahogany.</li> <li>▪ As of September 30, 2014, there were 161 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 V. Median travel time to Riverbend School is 38 minutes.</li> </ul>	
<b>Recommendation</b>	
<ul style="list-style-type: none"> <li>▪ Construct a core elementary K-Grade 4 school for 300 students complete with space to support a modular addition for 300 students in 12 units. The capacity of the school will be 600 student spaces.</li> <li>▪ The total project cost is budgeted at \$16.2 million.</li> </ul>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-1 Lord Beaverbrook High School</b>	
<p>A planned CBE strategy to address the new CTS curriculum requires approval of modernization projects to be undertaken in high schools in each of Areas I, II, III and V. These schools require priority placements for major modernization projects in order to deliver CTS courses and programs to students at exploratory, specialized and credentialed levels.</p> <p>The Lord Shaughnessy High School modernization in Area IV is the first modernization project undertaken to prototype Career and Technology learning environments.</p> <p>Career and Technology 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 Career and Technology courses and programs allow students the opportunity to examine their career goals and expand their interests in future success.</p> <p>The Career and Technology Centres combine authentic and relevant learning opportunities with personalized education, where classroom theory can be move into performance related activities.</p>	
<b>Facility Description</b>	
<p>The original two storey building, complete with gymnasium, partial lower level basement, performance space, and mezzanine was constructed in 1966. A two storey addition was built in 1979, and another single storey addition was built 1985.</p> <p>Overall construction comprises a foundation of grade beams, strip footings, and footing pads. The superstructure consists of both exterior and interior masonry load bearing block and concrete columns. Upper floors consist of pre-cast concrete T-beams and concrete topping. The roof structure is comprised of concrete T-beams complete with built up bitumen membrane assembly.</p> <p>The exterior is a combination of red brick and concrete panels. Rooftop mechanical has steel cladding. Windows are typically single glazed units and aluminum framed. Exterior doors are typical wood panel and frame, and painted. Main entrance doors have glazing in aluminum frames. The total area of the main building is 27,506.5 m<sup>2</sup> consisting of 100 classrooms. The classrooms range in size and most have access to natural light.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-1 Lord Beaverbrook High School</b>	
<b>Facility Description (cont'd)</b>	
<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 (repair or replace exterior finish components, windows, doors, wood panels below windows, skylights, roof membrane, etc.)</li> <li>▪ Interior: requires upgrades (shower stalls, repainting, general repairs, interior doors, chalkboards, ceiling tiles, etc.)</li> <li>▪ Mechanical: requires upgrades (install larger buffer glycol tank; outdated heating and cooling system components, drain lines, ventilation system upgrades)</li> <li>▪ Electrical: systems require upgrading (review and replace as required all life-cycle components, i.e. electrical panels)</li> </ul>	
<b>Modernization</b>	
<p>Due to the age and condition of the building components, a modernization will improve functionality, security and 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 also include a library to Learning Commons conversion to bring the school into alignment with 21<sup>st</sup> century learning. Additional project items include building and fire code upgrades (sprinkler system), hazardous material abatement and addressing barrier-free accessibility and all gender washrooms. The total project cost is estimated to be \$30 million.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-2 James Fowler High School</b>	
<p>A planned CBE strategy to address the new CTS curriculum requires approval of modernization projects to be undertaken in high schools in each of Areas I, II, III and V. These schools require priority placements for major modernization projects in order to deliver CTS courses and programs to students at exploratory, specialized and credentialed levels.</p> <p>The Lord Shaughnessy High School modernization in Area IV is the first modernization project undertaken to prototype Career and Technology learning environments.</p> <p>Career and Technology 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 Career and Technology courses and programs allow students the opportunity to examine their career goals and expand their interests in future success.</p> <p>The Career and Technology Centres combine authentic and relevant learning opportunities with personalized education, where classroom theory can be move into performance related activities. There will be available space for CLS to operate in the school over the long term.</p>	
<b>Facility Description</b>	
<p>The original three storey split level building, complete with gymnasium, basement, and performance space was constructed in 1962. Elevations of the building differ due to the contour and slope of the site. An elevator and small addition were added to the building in 1998, complete with an exterior entry stairway and canopy.</p> <p>Overall construction comprises a foundation of grade beams, strip footings, footing pads and foundational walls. The superstructure consists of both exterior and interior masonry load bearing block and concrete columns. Floors consist of pre-cast concrete T-beams with concrete topping. The roof structure is comprised of concrete T-beams complete with built up bitumen membrane assembly. The 1998 roof construction comprises a bitumen membrane assembly on steel deck roofing on steel beams on masonry block.</p> <p>Exterior is a combination pre-cast concrete fascia panels, red brick, vertical curtain wall sections and painted masonry block walls. The 1998 addition is finished in steel cladding and masonry block. Windows are typically sealed and insulated aluminum framed units. Exterior doors are typical steel framed (with or without glazing), and painted. Some doors are metal set in aluminum frames. The total area of the main building is 24,701.8 m<sup>2</sup> consisting of 77 classrooms. The classrooms range in size and have access to natural light.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-2 James Fowler High School</b>	
<b>Facility Description (cont'd)</b>	
<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 (repair masonry block, sealants and parging; replace windows in curtain wall sections and floors. Upgrade original entrances)</li> <li>▪ Interior: requires upgrades (repair masonry block, fire penetrations, concrete flooring, and acoustic tiles)</li> <li>▪ Mechanical: requires upgrades (replace sinks, washroom fixtures, damaged pipe insulation and fan coils)</li> <li>▪ Electrical: systems require upgrading (install surveillance and new fire alarm devices)</li> </ul>	
<b>Modernization</b>	
<p>A school modernization is required due to the age and condition of the building components, and the need to modernize instructional spaces in order to enhance the learning environment. The modernization will focus on CTS program spaces, including upgrades to the building envelope, mechanical and electrical equipment.</p> <p>The scope will also include replacement of worn architectural finishes and fixtures, program space renovations, including a library to Learning Commons conversion to bring the school into alignment with 21<sup>st</sup> century learning. Additional project items include building and fire code upgrades (sprinkler system), hazardous material abatement and addressing barrier-free accessibility, all gender washrooms and safety/security concerns. The total project cost is estimated to be \$20 million.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-3 Forest Lawn High School</b>	
<p>A planned CBE strategy to address the new CTS curriculum requires approval of modernization projects to be undertaken in high schools in each of Areas I, II, III and V. These schools require priority placements for major modernization projects in order to deliver CTS courses and programs to students at exploratory, specialized and credentialed levels.</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> <p>The CTS centres combine authentic and relevant learning opportunities with personalized education, where classroom theory can be moved into performance related activities.</p>	
<b>Facility Description</b>	
<p>The original two storey split level building, complete with gymnasium and partial basement, was constructed in 1968. A single storey addition was added in 1984. Since construction, there have been only minor renovations, including a barrier-free access ramp. Overall construction comprises of foundation of footing pads, strip footings, and foundation walls complete with concrete slabs.</p> <p>The superstructure consists of both exterior and interior masonry load bearing block. Concrete columns also support suspended floors and roof structures. Suspended floors and roof are precast T-Beam complete with concrete topping. The 1984 addition comprises metal roof decking on steel beams on masonry block walls. Exterior is a combination of pre-cast concrete exposed aggregate, concrete fascia panels and red brick curtain wall sections. Windows are typically insulated glazing units (IGUs), and aluminum framed. Exterior doors are wood core set in steel frames and painted.</p> <p>The total area of the main building is 22,068 m<sup>2</sup> consisting of 87 classrooms. The classrooms range in size and have access to natural light. In 2012, Alberta Infrastructure evaluated school facilities through RECAPP and rated the overall condition of the facility as being in acceptable condition. The evaluation included the following recommendations:</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-3 Forest Lawn High School</b>	
<b>Facility Description</b>	
<ul style="list-style-type: none"> <li>▪ Exterior: requires upgrades (repair of floor construction fire-stopping, cracked floor sections of the concrete and flooring finishes is required; repair seals of windows and roof sections; repair brick damage)</li> <li>▪ Interiors: require upgrading (repaint central ramps and concrete floors; replace worn carpets, ceiling tiles, lockers, and some interior doors)</li> <li>▪ Mechanical: requires upgrades (minor maintenance items: repair or replace AHU servicing wood shop and dust collector unit, repair leaking water fountains)</li> <li>▪ Electrical: systems require upgrading (replace natural gas generator with diesel; remove open wiring in main hallway; and install dedicated circuitry in each classroom)</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 and mechanical/electrical systems. It will also replace worn architectural finishes and fixtures. This includes a library to Learning Commons conversion, bringing the school into alignment with 21<sup>st</sup> century learning. Additional project items include building and fire code upgrades (sprinkler system), hazardous material abatement and addressing barrier-free accessibility and all gender washrooms. The total project cost is estimated to be \$24 million.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-4 John G. Diefenbaker High School</b>	
<p>A planned CBE strategy to address the new CTS curriculum requires approval of modernization projects to be undertaken in high schools in each of Areas I, II, III and V. These schools require priority placements for major modernization projects in order to deliver CTS courses and programs to students at exploratory, specialized and credentialed levels.</p> <p>The Lord Shaughnessy High School modernization in Area IV is the first modernization project undertaken to prototype Career and Technology learning environments.</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> <p>The Career and Technology Centres combine authentic and relevant learning opportunities with personalized education, where classroom theory can be move into performance related activities.</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>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-4 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 \$18 million.</p>	

**6.0 2016-2019 SCHOOL CAPITAL PLAN**

**Major Modernizations**

**Priority M-5 Kingsland Centre**

**Chinook Learning Services Mandate**

CLS provides older adolescent and adult high school academic upgrading, Adult ESL, and Continuing Education programs for the CBE. CLS provides high school upgrading to over 10,000 part-time students over the course of a year, including summer school. It serves students from all Areas of the city and from the greater Calgary region. The present demographics of CLS students (Fall 2014) indicate that student population is split evenly among all four quadrants of the city.

Chinook Learning Services			
Program	Annual	Daily	Location
High School Credit	10,000 students (13,500 registrations)	1,600	Viscount Bennett Centre
ESL	300	125	Tuxedo Park School
LINC*	540	360	4 sites: Viscount Bennett Centre, Tuxedo Park School, Calgary Achievement Centre for Youth, Christian City Church
Continuing Education	7,000	Varies	10 school sites across Calgary

\*Language Instruction for Newcomers to Canada

The changes to the School Act in October 2012 extended funding to 21 years of age. This change will potentially increase the population at CLS as there will be an opportunity for many more students to successfully complete their high school education and transition into post-secondary programs and the work force. In addition, the present Alberta Education initiatives support the trend among some students to take longer than the average 12 years to complete to the end of high school.

The population of CLS is diverse. Although some students attend CLS to upgrade academic courses for University entrance, many students struggle with learning issues which may or may not have been diagnosed at an earlier age.

CLS has demonstrated a steady increase in enrolment over the past few years. This trend is expected to continue with the changes to the School Act and with the growing population of Calgary. CLS operates year round, offering both evening and daytime courses. During the summer, CLS offers Summer School. The enrolment is approximately 4500 students (primarily high school age). In addition to Viscount Bennett Centre campus, four regular high schools act as satellites during July to provide adequate facilities for students living in different quadrants of the city. CLS also runs an International Summer School for students from Taiwan. This program is run out of a high school in the SW part of the city. The demand for summer school programs has increased over the past several years.

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-5 Kingsland Centre</b>	
<b>Chinook Learning Services Mandate (cont'd)</b>	
<p>CLS is the largest centre in Alberta for diploma examination testing centre and for generating CEU's. Presently students at CLS take an average of one to two courses a semester. Presently courses are timetabled in three hour sessions twice a week for each semester. Based on learner need, there is a consideration to adjust the timetable to provide a more suitable program.</p> <p>CLS is a significant contributor to the CBE's high school strategy successfully supporting many students to complete high school and transition to post-secondary.</p>	
<b>Current Status</b>	
<p>CLS needs to vacate its main campus at Viscount Bennett Centre as the 58-year-old building is in need of major renovations and upgrading. Alberta Infrastructure conducted a detailed architectural and engineering study in 2000 and determined that \$23 million was required to renovate the existing building to meet educational needs and building code requirements. The conclusion of Architectural and Engineering Services was that it was uneconomical to restore the building. The CBE plans to sell the Viscount Bennett site.</p> <p>As of December 2012, the CBE officially obtained the property of the Booth Centre located in the East Village in the downtown. Conceptual plans for the renovation of this building have been drawn up in order to work through the City of Calgary's approval process. A steering committee oversees development of this project. As the East Village location will only accommodate a portion of the Academic portion of the student population, it is clear that more space will be required at future sites.</p> <p>The CBE had \$10.5 million approved toward the CLS capital project from the School Capital Plan 2012-2015. The CBE has been in the process of planning for the move of CLS from Viscount Bennett Centre. The CBE vision for CLS is a central campus in or in close proximity to the Downtown with two other locations in the city of Kingsland Centre (M-6) and James Fowler High School (M-2).</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-5 Kingsland Centre</b>	
<b>Facility Description</b>	
<p>Kingsland School is a single storey facility with partial basement was completed in 1958. Overall construction comprises of a foundation of concrete slab floors on both foundational walls on strip footings and piles. The super-structure consists of load bearing masonry block walls throughout. The roof structure is constructed of open web-framed steel trusses and steel flange beams all supporting the above steel decking and roof membrane. The exterior is finished with brick, stucco and exposed cast-in-place concrete. Doors are typically wood, windows are double glazed and metal framed; both are painted.</p> <p>The total area of the main building is 4818.6 m<sup>2</sup> consisting of 22 classrooms. The classrooms range in size and have access to natural light.</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>▪ Exterior: requires upgrades (refinish exterior finishes, caulking, replace SBS roof system)</li> <li>▪ Mechanical: systems require life cycle upgrading (install sprinkler system, roof drains, hot water system, etc.)</li> <li>▪ Electrical: systems require upgrading (starter motors, sub-distribution panels, fluorescent system upgrades, exit signs, etc.)</li> </ul>	
<b>Modernization</b>	
<p>A school modernization is required due to the age and condition of the Kingsland Centre building components, and the need to modernize instructional spaces in order to enhance the learning environment. This facility and site will be adapted to accommodate CLS (south location).</p> <p>The modernization will include partial upgrading of the building envelope, and mechanical/electrical equipment. The scope will also include replacement of worn architectural finishes and fixtures, program space renovations, including a library to Learning Commons conversion to bring the school into alignment with 21<sup>st</sup> century learning. Additional project items include building and fire code upgrades (sprinkler system), hazardous material abatement and addressing barrier-free accessibility, all gender washrooms and safety/security concerns. The total project cost is estimated to be \$6 million.</p> <p>Details of exact programs that will be accommodated in the latter two facilities are still being evaluated.</p>	

<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>
<b>Priority M-6 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.</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 communities of Auburn Bay and Cranston.</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 Area V. 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>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-7 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 Area V.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> Janet Johnstone School currently accommodates currently 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 with full 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 \$9 million.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-8 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 Area III.</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> Annie Foote School currently accommodates kindergarten to Grade 6 students living in Temple. The school is also one of two identified overflow schools for students who cannot be accommodated at Crossing Park School in the community of Martindale.</li> <li>▪ <b>Complex Learning Classes</b> Annie Foote School accommodates LEAD (Literacy, English and Academic Development) classes. The LEAD classes provide intensive supports and services for students and families who have been identified as English Language Learners with backgrounds of limited formal schooling.</li> </ul> <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>	
<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>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-8 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 \$12 million.</p>	



<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-9 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 Area V.</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, and 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 \$9 million.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-10 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 Area III</p> <ul style="list-style-type: none"> <li>▪ <b>Regular Program</b> Ernest Morrow School currently accommodates the regular program for Grades 7-9 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>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-10 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>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-11 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 Area IV. Altadore School currently accommodates the Regular program for kindergarten to Grade 6 students living in Altadore which includes Garrison Woods.</p> <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 \$10 million.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-12 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 Area I.</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> with 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 pass its 35 year:</p> <ul style="list-style-type: none"> <li>▪ Exterior: requires upgrades (envelop 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>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-12 Ranchlands School</b>	
<b>Modernization</b>	
<p>The modernization will improve functionality, security, and 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 \$9 million.</p>	

<b>6.0</b>	<b>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-13 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 Area II.</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 accommodates DHH (Deaf and Hard of Hearing) classes. 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>2016-2019 SCHOOL CAPITAL PLAN</b>
<b>Major Modernizations</b>	
<b>Priority M-13 Queen Elizabeth School</b>	
<b>Modernization</b>	
<p>The modernization will improve functionality, security, and 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 \$10 million.</p>	



**Capacity and Utilization**

There are Sectors associated with each Area that provide for smaller units of analysis.

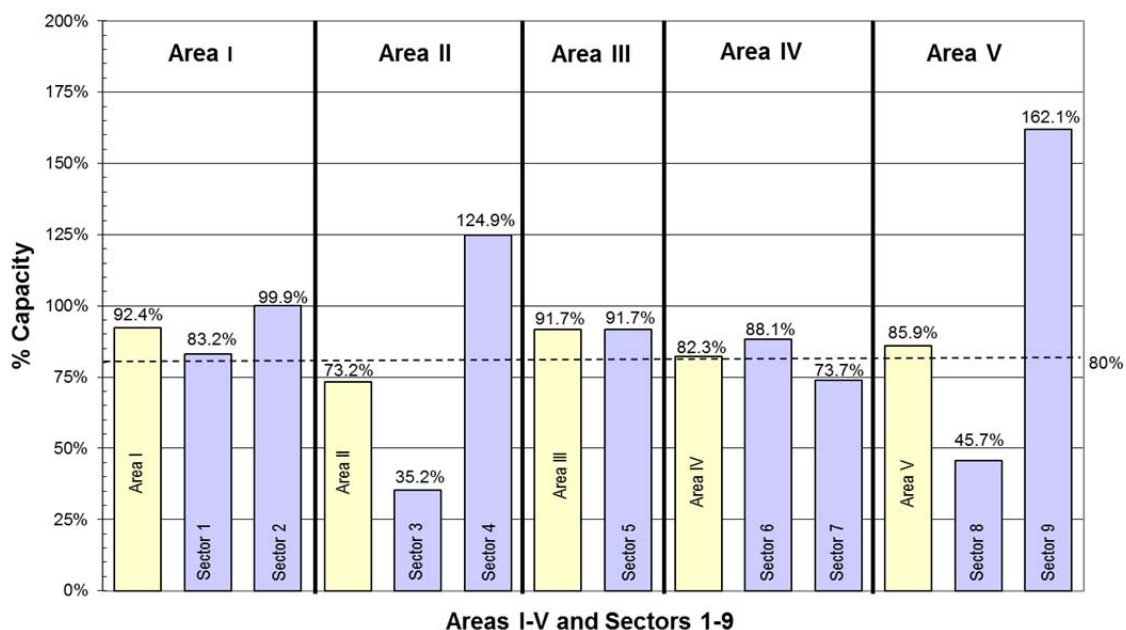
**Table 1: Capacity for K-9 by Residence (%)**

K-9 Students by Residence 2014-2015				
Area	Sector	Elementary/Junior High Students	Elementary/Junior High Capacity	% Utilization
AREA I	Sector 1	5,750	6,911	83.20%
	Sector 2	8,475	8,481	99.93%
<b>Total</b>		<b>14,225</b>	<b>15,392</b>	<b>92.42%</b>
AREA II	Sector 3	4,432	12,578	35.24%
	Sector 4	11,560	9,256	124.89%
<b>Total</b>		<b>15,992</b>	<b>21,834</b>	<b>73.24%</b>
AREA III	Sector 5	19,301	21,055	91.67%
<b>Total</b>		<b>19,301</b>	<b>21,055</b>	<b>91.67%</b>
AREA IV	Sector 6	7,878	8,940	88.12%
	Sector 7	4,435	6,014	73.74%
<b>Total</b>		<b>12,313</b>	<b>14,954</b>	<b>82.34%</b>
AREA V	Sector 8	7,766	16,995	45.70%
	Sector 9	14,543	8,972	162.09%
<b>Total</b>		<b>22,309</b>	<b>25,967</b>	<b>85.91%</b>
<b>Grand Total</b>		<b>84,140</b>	<b>99,202</b>	<b>84.82%</b>

**Notes:**

- Student numbers are based on ArcView data as at September 30, 2014 (K@FTE to Grade 9).
- Capacity as per Alberta Infrastructure's New Utilization Formula 2014 (assuming exemptions)
- Under-utilized and over-utilized are shown on **Map 7**.

**Area & Sector Utilization Rates by Residence  
K-9**



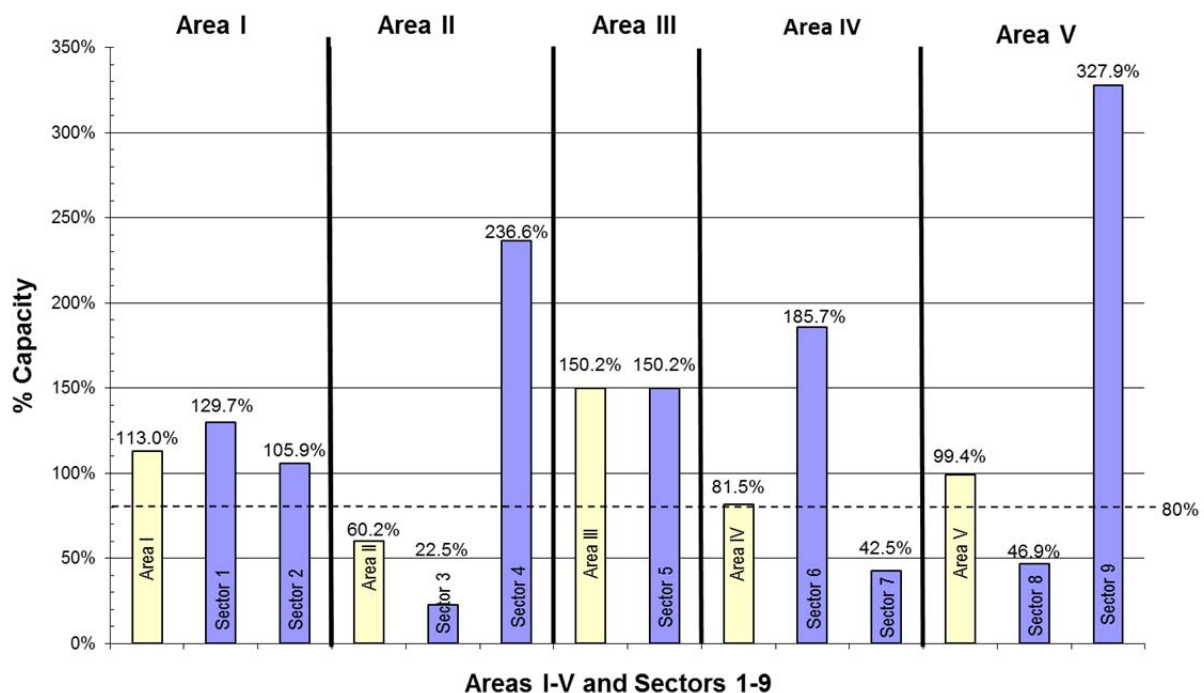
**Table 2: Capacity by Residence Senior High (%)**

Senior High (Gr. 10-12) Students by Residence 2014-2015				
Area	Sector	Senior High Students	Senior High Capacity	% Utilization
AREA I	Sector 1	1,962	1,513	129.68%
	Sector 2	3,743	3,534	105.91%
<b>Total</b>		<b>5,705</b>	<b>5,047</b>	<b>113.04%</b>
AREA II	Sector 3	1,558	6,923	22.50%
	Sector 4	3,501	1,480	236.55%
<b>Total</b>		<b>5,059</b>	<b>8,403</b>	<b>60.20%</b>
AREA III	Sector 5	7,100	4,728	150.17%
<b>Total</b>		<b>7,100</b>	<b>4,728</b>	<b>150.17%</b>
AREA IV	Sector 6	3,068	1,652	185.71%
	Sector 7	1,873	4,410	42.47%
<b>Total</b>		<b>4,941</b>	<b>6,062</b>	<b>81.51%</b>
AREA V	Sector 8	3,121	6,650	46.93%
	Sector 9	5,003	1,526	327.85%
<b>Total</b>		<b>8,124</b>	<b>8,176</b>	<b>99.36%</b>
<b>Grand Total</b>		<b>30,929</b>	<b>32,416</b>	<b>95.41%</b>

**Notes:**

- Student numbers are based on ArcView data as at September 30, 2014
- Capacity as per Alberta Infrastructure's New Utilization Formula 2014 (assuming exemptions)
- Under-utilized and over-utilized are shown on **Map 8**.

**Senior High Area Utilization Rates by Residence**



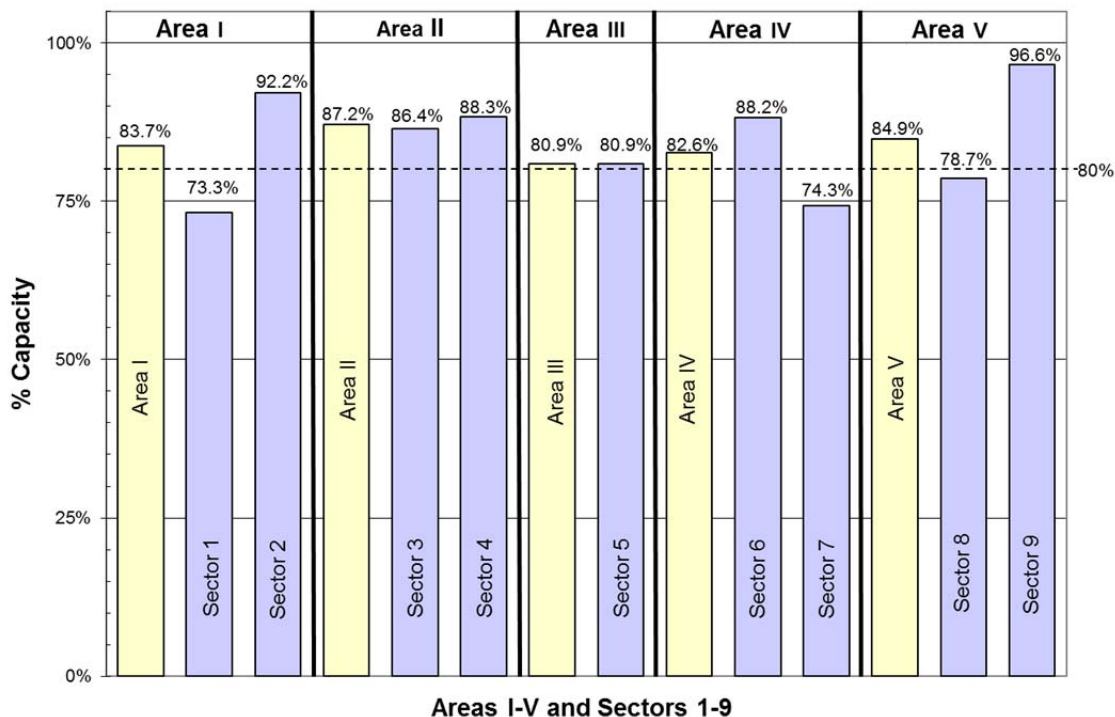
**Table 3: % Capacity for K-9 by Enrolment**

K-9 Students by Enrolment 2014-2015				
Area	Sector	Elementary/Junior High Students	Elementary/Junior High Capacity	% Utilization
AREA I	Sector 1	5,063	6,911	73.26%
	Sector 2	7,818	8,481	92.18%
<b>Total</b>		<b>12,881</b>	<b>15,392</b>	<b>83.69%</b>
AREA II	Sector 3	10,867	12,578	86.40%
	Sector 4	8,173	9,256	88.30%
<b>Total</b>		<b>19,040</b>	<b>21,834</b>	<b>87.20%</b>
AREA III	Sector 5	17,037	21,055	80.92%
<b>Total</b>		<b>17,037</b>	<b>21,055</b>	<b>80.92%</b>
AREA IV	Sector 6	7,889	8,940	88.24%
	Sector 7	4,466	6,014	74.26%
<b>Total</b>		<b>12,355</b>	<b>14,954</b>	<b>82.62%</b>
AREA V	Sector 8	13,367	16,995	78.65%
	Sector 9	8,665	8,972	96.58%
<b>Total</b>		<b>22,032</b>	<b>25,967</b>	<b>84.85%</b>
<b>Grand Total</b>		<b>83,345</b>	<b>99,202</b>	<b>84.02%</b>

**Notes:**

- Student numbers are based on ArcView data as at September 30, 2014 (K@FTE to Grade 9).
- Capacity as per Alberta Infrastructure's New Utilization Formula 2014 (assuming exemptions)

**Area & Sector Utilization Rates by Enrolment  
K-9**



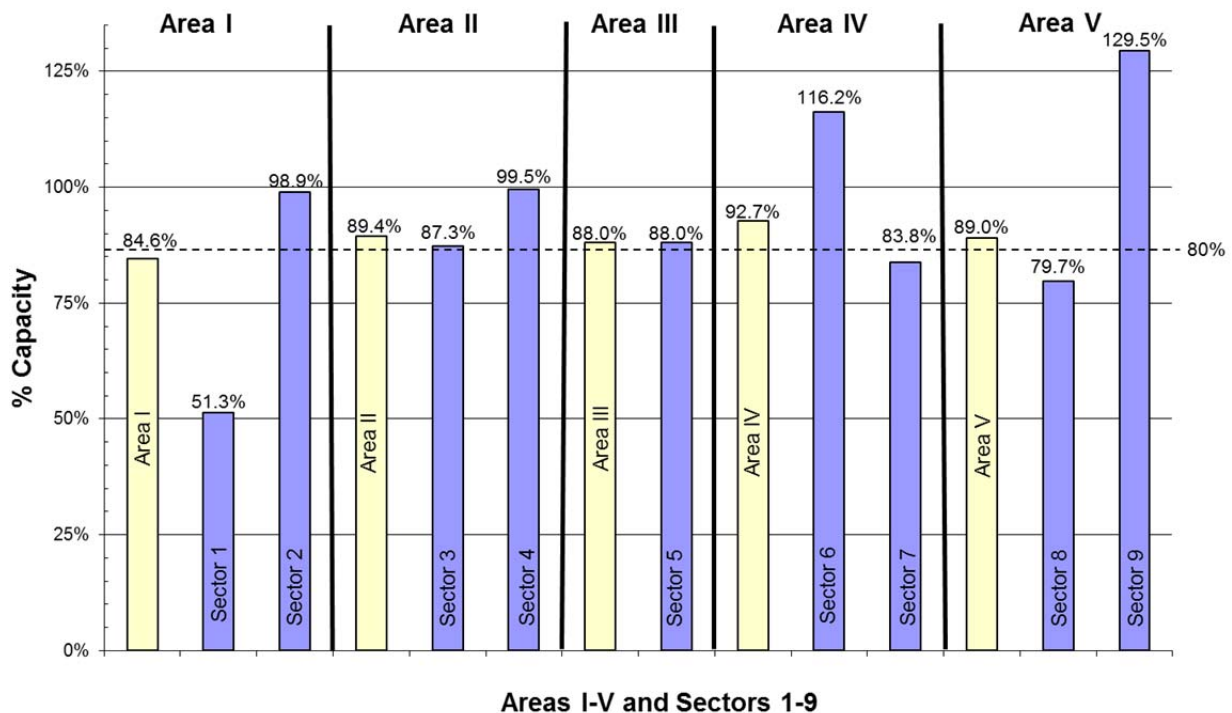
**Table 4: % Capacity by Enrolment – Senior High**

Senior High (Gr. 10-12) Students by Enrolment 2014-2015				
Area	Sector	Senior High Students	Senior High Capacity	% Utilization
AREA I	Sector 1	776	1,513	51.29%
	Sector 2	3,494	3,534	98.87%
<b>Total</b>		<b>4,270</b>	<b>5,047</b>	<b>84.60%</b>
AREA II	Sector 3	6,043	6,923	87.29%
	Sector 4	1,473	1,480	99.53%
<b>Total</b>		<b>7,516</b>	<b>8,403</b>	<b>89.44%</b>
AREA III	Sector 5	4,162	4,728	88.03%
<b>Total</b>		<b>4,162</b>	<b>4,728</b>	<b>88.03%</b>
AREA IV	Sector 6	1,920	1,652	116.22%
	Sector 7	3,697	4,410	83.83%
<b>Total</b>		<b>5,617</b>	<b>6,062</b>	<b>92.66%</b>
AREA V	Sector 8	5,303	6,650	79.74%
	Sector 9	1,976	1,526	129.49%
<b>Total</b>		<b>7,279</b>	<b>8,176</b>	<b>89.03%</b>
<b>Grand Total</b>		<b>28,844</b>	<b>32,416</b>	<b>88.98%</b>

**Notes:**

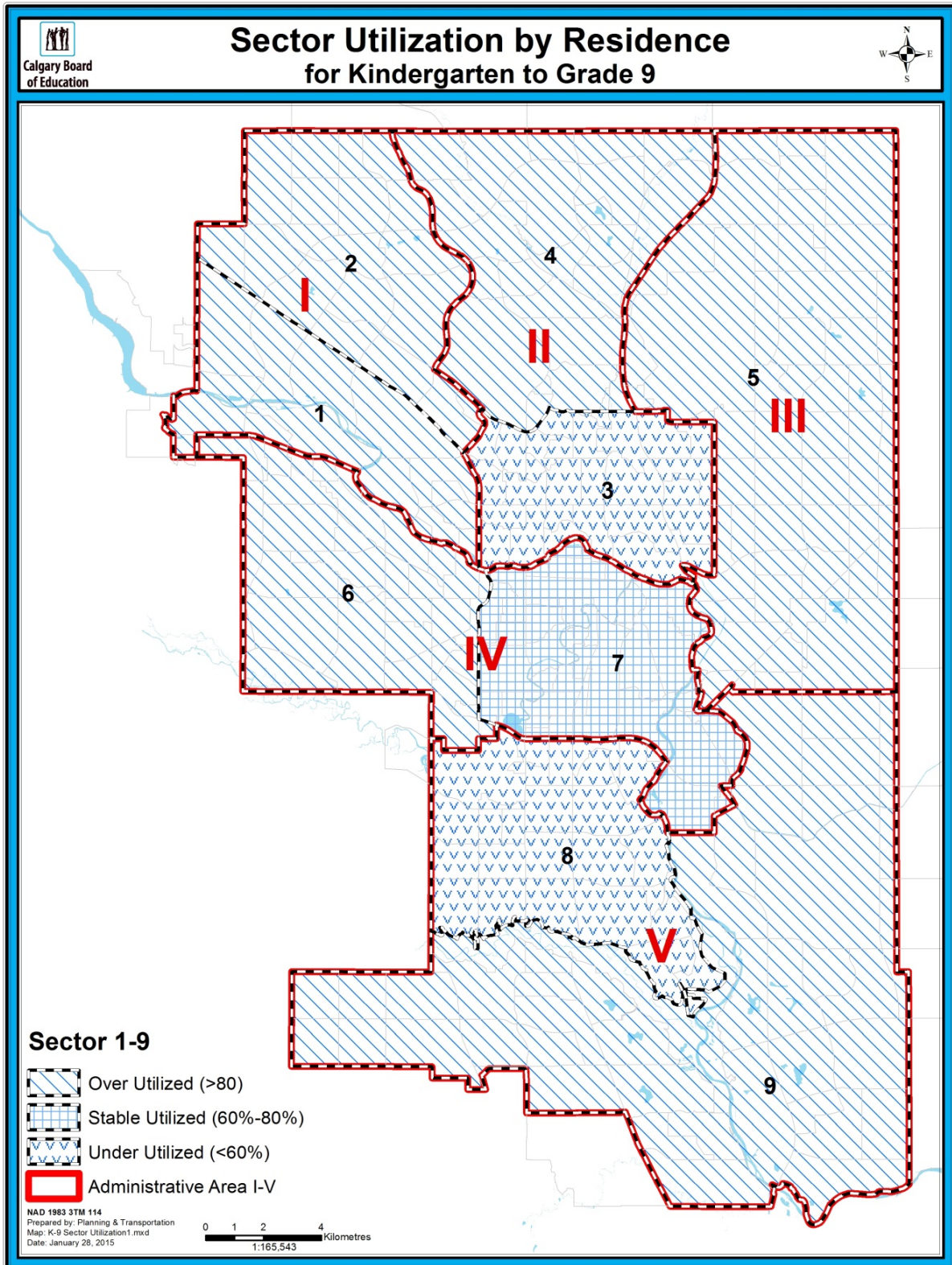
- Student numbers are based on ArcView data as at September 30, 2014
- Capacity as per Alberta Infrastructure's New Utilization Formula 2014 (assuming exemptions)

**Area Utilization Rates by Enrolment  
Senior High**



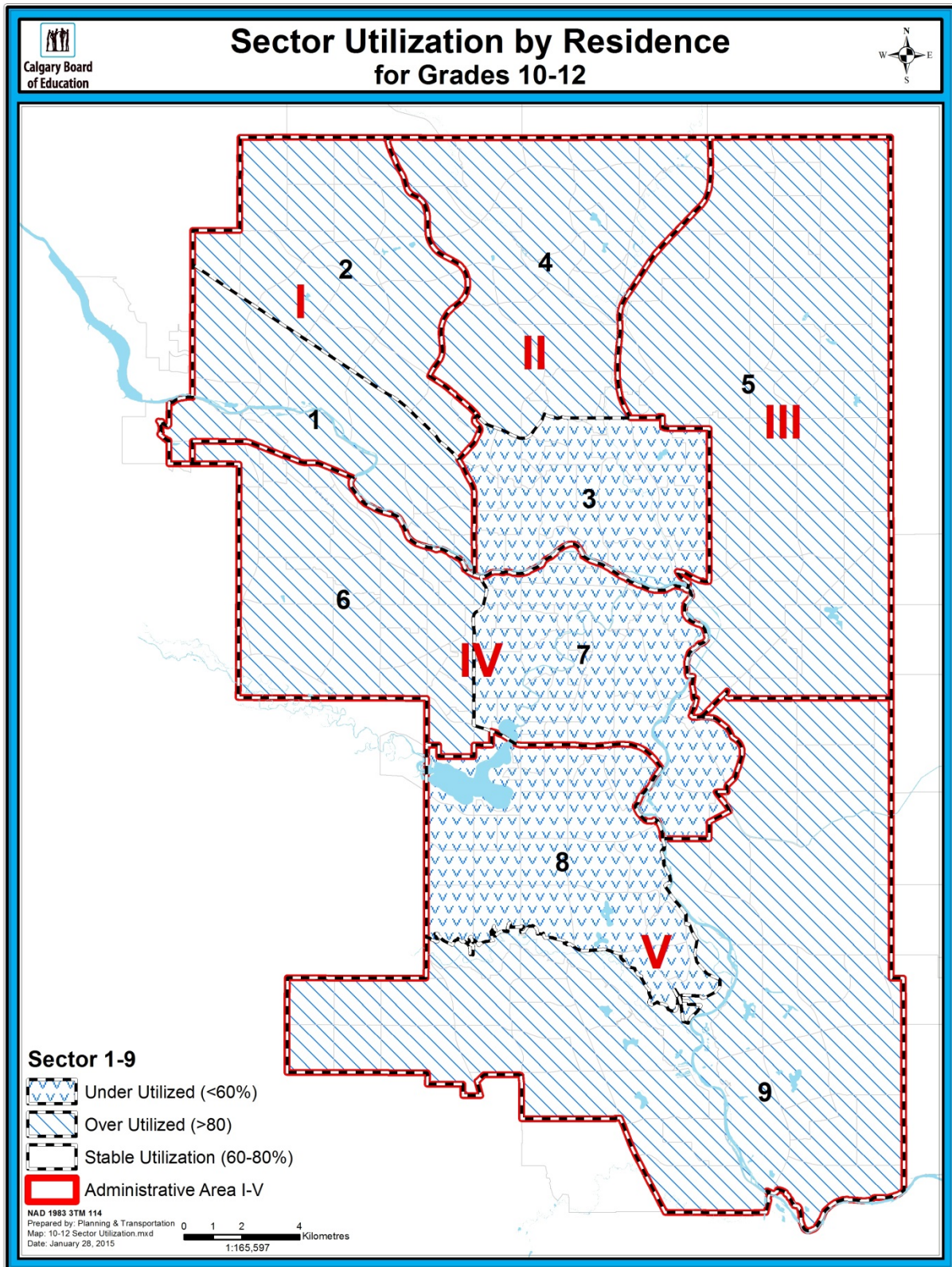


### Sector Utilization by Residence for Kindergarten to Grade 9





### Sector Utilization by Residence for Grades 10-12



Modernization Information					
Rank	Modernization	Points	Area	Sector	Grade
1	**Lord Beaverbrook High School	n/a	V	8	GR10-12
2	**James Fowler High School	n/a	II	3	GR10-12
3	Forest Lawn High School	72	III	5	GR10-12
4	John Diefenbaker High School	71	II	4	GR10-12
5	Kingsland Centre	54	V	8	GR10-12
6	Nickle School	39	V	8	GR5-9
7	Janet Johnstone School	39	V	9	K-4
8	Annie Foote School	38	III	5	K-6
9	Cedarbrae School	38	V	8	K-6
10	Ernest Morrow School	37	III	5	GR6-9
11	Altadore School	36	IV	7	K-6
12	Ranchlands School	36	I	2	K-6
13	Queen Elizabeth School	36	II	3	K-6

Note: \*\* Scope Only Approved - exempted from point ranking process.

### Major Modernization Ranking Points 2016-2019 Capital Submission

School	Programming Requirements	5 Year Projected Enrolment	Quality of Site to Serve Students	Ability to Upgrade	Facility Maintenance Based on RECAP	Total Points
Forest Lawn High School	35	4	9	9	15	72
John Diefenbaker High School	35	10	4	7	15	71
Kingsland Centre*	35	-	-	4	15	54
Nickle School	-	10	7	7	15	39
Janet Johnstone School	-	10	4	10	15	39
Annie Foote School	-	10	4	9	15	38
Cedarbrae School	-	10	4	9	15	38
Ernest Morrow School	-	10	2	10	15	37
Altadore School	-	10	4	7	15	36
Ranchlands School	-	10	2	9	15	36
Queen Elizabeth School	-	10	6	5	15	36

\* 5 Year Projected Enrolment not applicable

## 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><u>Ranking Range for this category: 0 (difficult to upgrade) to 2 (very easy to upgrade)</u></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><u>Ranking Range for this category: 0 (difficult to upgrade) to 2 (very easy to upgrade)</u></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
<i><u>Note: the higher the number, the poorer the facility</u></i>	



## Community Ranking for New Schools

Rank	Community	Points	Area	Sector	Grade
1	Martindale Elementary <sup>(2)</sup>	n/a	III	5	K-4
2	**Springbank Hill/Discovery Ridge Middle	n/a	IV	6	GR5-9
3	Silverado Elementary	n/a	V	9	K-4
4	Cranston Elementary <sup>(2)</sup>	1608	V	9	K-4
5	Coventry Hills/Country Hills Village Elementary <sup>(2)</sup>	1601	II	4	K-4
6	Evergreen Elementary <sup>(2)</sup>	1586	V	9	K-4
7	Cougar Ridge Elementary	1140	IV	6	K-4
8	Kincora Elementary	1069	II	4	K-4
9	**Country Hills/Harvest Hills Elementary	1053	II	4	K-4
10	**Skyview Ranch (incl. Cityscape) Elementary	1045	III	5	K-4
11	Auburn Bay Middle	988	V	9	GR5-9
12	Evanston Middle	963	II	4	GR5-9
13	Signal Hill Middle	947	IV	6	GR5-9
14	Valley Ridge/Crestmont Elementary	776	I	1	K-4
15	Sage Hill Elementary	760	II	4	K-4
16	**Harvest Hills/Country Hills Middle	673	II	4	GR5-9
17	Aspen Woods Middle	643	IV	6	GR5-9
18	Mahogany Elementary	640	V	9	K-4
19	Sherwood/Nolan Hill Middle	578	I	2	GR5-9
20	Silverado Middle	522	V	9	GR5-9
21	Sherwood Elementary	508	I	2	K-4
22	**Skyview Ranch Middle	505	III	5	GR5-9
23	Mahogany Middle	356	V	9	GR5-9
24	Sage Hill Middle	355	II	4	GR5-9
25	Walden Elementary	354	V	9	K-4
26	Redstone Elementary	320	III	5	K-4
27	Walden Middle	219	V	9	GR5-9
28	Nolan Hill Elementary	206	I	2	K-4
29	Legacy Elementary	148	V	9	K-4
30	Legacy Middle	126	V	9	GR5-9

**Note:**

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

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

\*\* Combined Springbank Hill/Discovery Ridge into K-9 grade configuration

\*\* Combined Skyview Ranch into K-9 grade configuration

n/a - Design Only Schools - exempted from point ranking process

## K-4 Statistics 2016-2019 Capital Submission

Community	Community Growth Profile (statistics)				Busing and Travel Time (statistics)			Existing K-4 School or Design Only School Approved or in Existence
	2014 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>Area I</b>								
Nolan Hill	61	55	23	28	18	6	no	no
Sherwood	274	174	23	15	12	5	no	no
Valley Ridge/Crestmont	524	202	10	9	24	3	no	no
<b>Area II</b>								
Country Hills/Harvest Hills	686	307	23	8	24	4	no	no
*Coventry Hills/Country Hills Village <sup>(2)</sup>	1072	419	23	15	nbr	nbr	no	yes
Kincora	580	349	23	21	21	3	yes	no
Sage Hill	540	150	23	11	24	6	no	no
<b>Area III</b>								
Redstone	104	46	14	19	41	11	yes	no
Skyview Ranch	638	267	14	13	31	10	yes	no
<b>Area IV</b>								
Cougar Ridge	761	319	10	15	17	6	no	no
<b>Area V</b>								
*Cranston <sup>(2)</sup>	*1089	*339	36	16	16	3	yes	yes
*Evergreen <sup>(2)</sup>	*1151	*285	15	12	nbr	nbr	yes	yes
Legacy	32	26	15	21	20	5	no	no
Mahogany	349	161	36	19	38	11	no	no
Walden	211	93	15	13	12	4	no	no

- Notes:
1. Pre-school Census is the "Total" number of pre-school children 2009-2013 . (Statistics from the City of Calgary "Pre-School Children 2014").
  2. School<sup>(2)</sup> = the community has a new school constructed or approved and can support a second K-4 school.
  3. Housing Units information from The City of Calgary "2014 Civic Census".
  4. Median Travel Time – "nbr" no bus receiver for that community.
  5. 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-4 and GR5-9 or K-6 and GR7-9).  
(Busing and Travel Time information as per Transportation Services)

\* **Coventry Hills/Country Hills Village<sup>(2)</sup>** – deducted 577 (current provincial capacity) from pre-school (1649-577=1072) total & K-4 (996- 577=419) total, as it would be their second elementary.  
**Cranston<sup>(2)</sup>** – deducted 539 (current provincial capacity) from pre-school (1628-539=1089) total & K-4 (878-539=339) total, as it would be their second elementary.  
**Evergreen<sup>(2)</sup>** – deducted 537 (current provincial capacity) from pre-school (1688-537=1151) total & K-4 (822-537=285) total, as it would be their second elementary.

\*\* Design Only School

## K-4 Ranking Points 2016-2019 Capital Submission

Community	Community Growth Profile (points)			Busing and Travel Time (points)			
	2014 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-4 School or Design Only School Approved or in Existence	Total Points
<b>Area I</b>							
Nolan Hill	61	55	80	10	0	0	206
Sherwood	274	174	60	0	0	0	508
Valley Ridge/Crestmont	524	202	30	20	0	0	776
<b>Area II</b>							
Country Hills/Harvest Hills	686	307	40	20	0	0	1053
Coventry Hills/Country Hills Village <sup>(2)</sup>	1072	419	60	0	0	50	1601
Kincora	580	349	70	20	50	0	1069
Sage Hill	540	150	50	20	0	0	760
<b>Area III</b>							
Redstone	104	46	50	70	50	0	320
Skyview Ranch	638	267	40	50	50	0	1045
<b>Area IV</b>							
Cougar Ridge	761	319	50	10	0	0	1140
<b>Area V</b>							
Cranston <sup>(2)</sup>	1089	339	70	10	50	50	1608
Evergreen <sup>(2)</sup>	1151	285	50	0	50	50	1586
Legacy	32	26	70	20	0	0	148
Mahogany	349	161	70	60	0	0	640
Walden	211	93	50	0	0	0	354

- Notes:
- 0 points in Community Growth Profile = 0 points in Busing and Travel Time.
  - Pre-school Census includes "Total" number of pre-school children 2009-2013. (Statistics from the City of Calgary "Pre-School Children 2014").
  - Communities that have a new school constructed or approved and can only support one K-4 school are not ranked.
  - School <sup>(2)</sup> = the community has a new school constructed or approved and can support a second K-4 school.  
For communities that already have an elementary school, their current provincial capacity is deducted from their Pre-School and K-4 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-4 and GR5-9 or K-6 and GR7-9).

## Middle/Junior (Grades 5-9) Statistics 2016-2019 Capital Submission

Community	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-4 or Design Only School Approved or in Existence	Greater Than Two Transition Points
Area I									
Sherwood/ Nolan Hill	229	249	23	19	32*	5	no	no	no
Area II									
Harvest Hills/ Country Hills	307	286	23	7	30	7	no	no	no
Evanston	505	298	23	9	42	11	no	yes	no
Sage Hill	150	95	23	7	49	12	no	no	no
Area III									
Skyview Ranch	267	188	14	9	24	9	no	no	no
Area IV									
Aspen Woods	299	214	10	9	13	4	yes	yes	no
Signal Hill	452	405	10	8	19	2	no	yes	no
Area V									
Auburn Bay	539	329	36	9	23	9.0	no	yes	no
Legacy	26	20	15	16	20	5	no	no	no
Mahogany	161	75	36	9	48	12	no	no	no
Silverado	251	151	15	7	27	8	no	yes	no
Walden	93	76	15	11	9	4	no	no	no

- Notes:
1. Housing information from The City of Calgary "2014 Civic Census".
  2. Median Travel Time – "nbr" no bus receiver for that community.
  3. 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-4 and GR5-9 or K-6 and GR7-9) (Busing and Travel Time information as per Transportation Services).

\* City Transit

\*\* Design Only School

## Middle/Junior (Grades 5-9) Ranking Points 2016-2019 Capital Submission

Community Growth Profile (points)				Busing and Travel Time (points)		Accommodation Plan		Total Points
Community	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-4 or Design Only School Approved or in Existence	Greater Than Two Transition Points	
<b>Area I</b>								
Sherwood/Nolan Hill	229	249	60	40	0	0	0	578
<b>Area II</b>								
Harvest Hills/ Country Hills	307	286	40	40	0	0	0	673
Evanston	505	298	40	70	0	50	0	963
Sage Hill	150	95	40	70	0	0	0	355
<b>Area III</b>								
Skyview Ranch	267	188	30	20	0	0	0	505
<b>Area IV</b>								
Aspen Woods	299	214	30	0	50	50	0	643
Signal Hill	452	405	30	10	0	50	0	947
<b>Area V</b>								
Auburn Bay	539	329	50	20	0	50	0	988
Legacy	26	20	60	20	0	0	0	126
Mahogany	161	75	50	70	0	0	0	356
Silverado	251	151	40	30	0	50	0	522
Walden	93	76	50	0	0	0	0	219

- Notes:
- 0 points in Community Growth Profile = 0 points in Busing and Travel Time.
  - Bus Receivers – More than one bus receiver school required for established grade configuration within two years. (examples include, but are not limited to K-4 and GR5-9 or K-6 and GR7-9).

\*\* Design Only school

## CBE Point Assignments

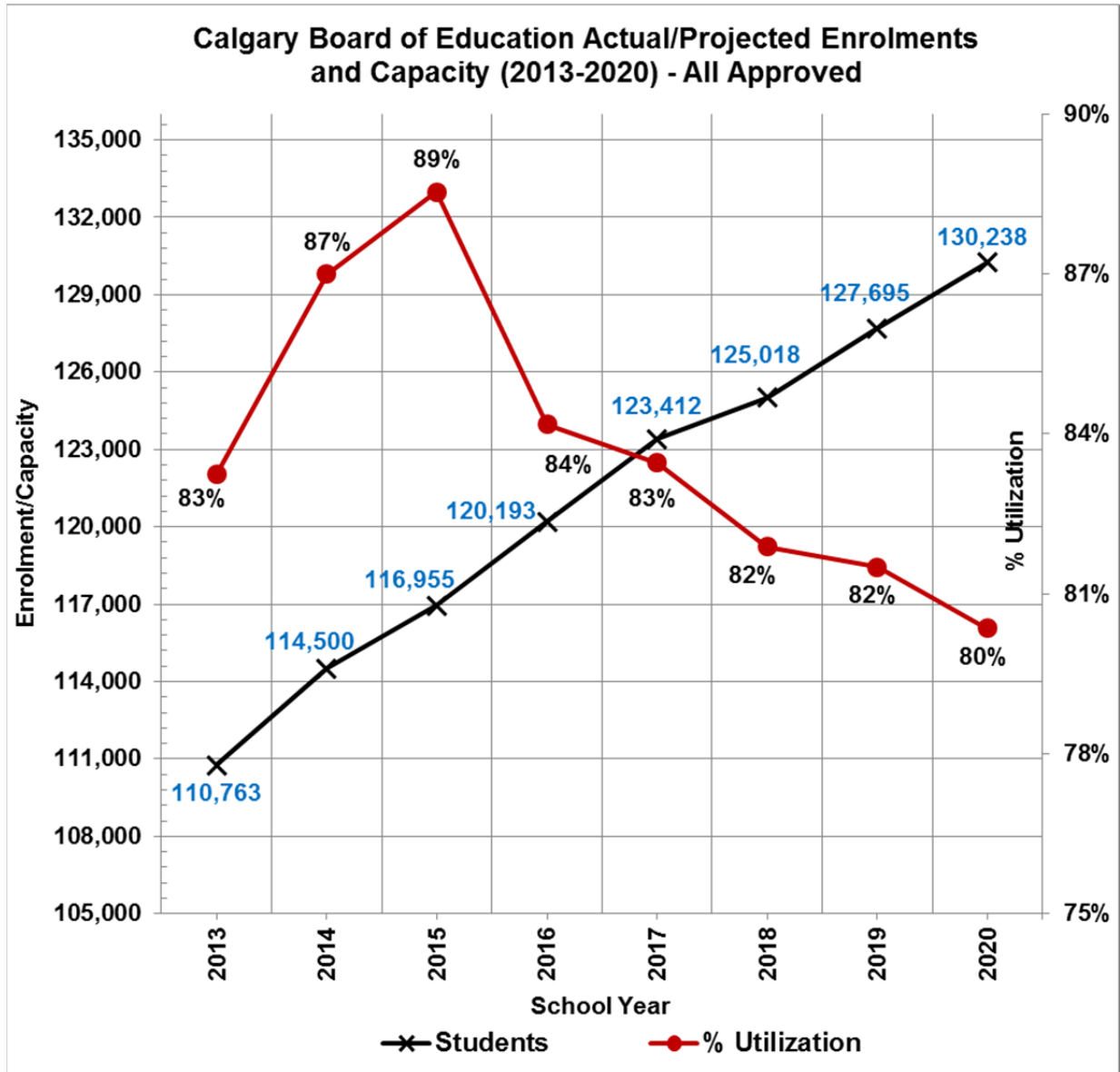
Kindergarten - Grade 4						
Pre-school Census (Age 1-5)						
Pre-school Census (Age 1-5)*	Actual Value					
<i>* Prepared by the City of Calgary annually</i>						
Current K-GR4 Enrolment						
Current K-GR4 Enrolment - September 30, 2014 enrolment	Actual Value					
Projected Population / Ratio of Enrolment to Housing Units						
<b>Ratio of K-4 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 %
Projected 5 Year Sector Population Growth (%)**						
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>						
Median Travel Time / Distance Travelled						
<b>Distance Travelled (km's)*</b>						
	≤9	10 to 14	15 to 19	20 to 24	≥25	
Median Travel Time						
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>						
Other Considerations:						
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-4 and GR5-9 or K-6 and GR7-9)						50 points
Existing K-4 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, 2014 enrolment					Actual Value	
<b>GR5-9 Enrolment</b>						
Current GR5-9 Enrolment - September 30, 2014 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-4 and GR5-9 or K-6 and GR7-9)					50 points	
Existing K-4 School or Design Only School approved or in existence					50 points	
Greater than 2 Transition Points (K-9)					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 – (2013 – 2020)**  
**K-12**



Note: Assumes all schools approved in 2016-2019 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, ease 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 equipping 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.