



**COOPERATIVE
STRATEGIES**

COMPLETE FINANCIAL & DEMOGRAPHIC PLANNING FOR EDUCATION



**ELIZABETH SCHOOL DISTRICT
FACILITIES MASTER PLAN APPENDIXES**

MAY 2018

PREPARED FOR:
Elizabeth School District
633 Dale Court
Elizabeth, CO 80107
T 303.646.1836

PREPARED BY:
Cooperative Strategies
14142 Denver W Parkway #280
Lakewood, CO 80401
T 720.466.8680

APPENDIX: TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
A. Enrollment Projections Full Report-----	3
B. Community Meeting & Online Questionnaire Results -----	53
C. Energy Analysis -----	64
D. Ed. Adequacy Assessments & Principal Interviews -----	65
E. Condition Assessment Data -----	87
F. Capacity Analysis-----	113

APPENDIX A: ENROLLMENT PROJECTIONS REPORT



ELIZABETH SCHOOL DISTRICT

ENROLLMENT PROJECTIONS REPORT

MARCH 30, 2018

PREPARED FOR:

Elizabeth School District

634 S. Elbert Street

PO Box 610

Elizabeth, CO 80107

T 303.646.1836

PREPARED BY:

Cooperative Strategies

3325 Hilliard Rome Road

Hilliard, OH 43026

T 614.798.8828

Table of Contents

Acknowledgements.....	2
Executive Summary	3
Enrollment Projection Methodology	5
U.S. Census.....	8
General Demographics	12
Estimated School Aged Population Growth 2017-22	13
Surrounding School Districts.....	14
Housing Data	15
Subdivision Analysis	16
Live Birth Data.....	18
Survival Ratios.....	19
Home Based Education	20
Choice In & Out	21
Historical Enrollment.....	22
Projected Enrollment.....	24
Enrollment by School.....	33
Conclusion.....	41
Appendix – Build Out Study	43
Appendix – Subdivision Analysis.....	45
Appendix – New Development Information	46
Appendix – Student Density Map	48

ACKNOWLEDGMENTS

On behalf of Cooperative Strategies, we would like to extend our appreciation to the Elizabeth School District for the opportunity to assist them in developing this Enrollment Projections Report. As a planning team, we hope that this document will serve the Elizabeth School District for years to come.

COOPERATIVE STRATEGIES

Ann Hoffsis, REFP, Director of Enrollment Projection Services

Alex Boyer, GIS Analyst

3325 Hilliard Rome Road

Hilliard, OH 43026

P. 614.798.8828

www.coopstrategies.com

EXECUTIVE SUMMARY

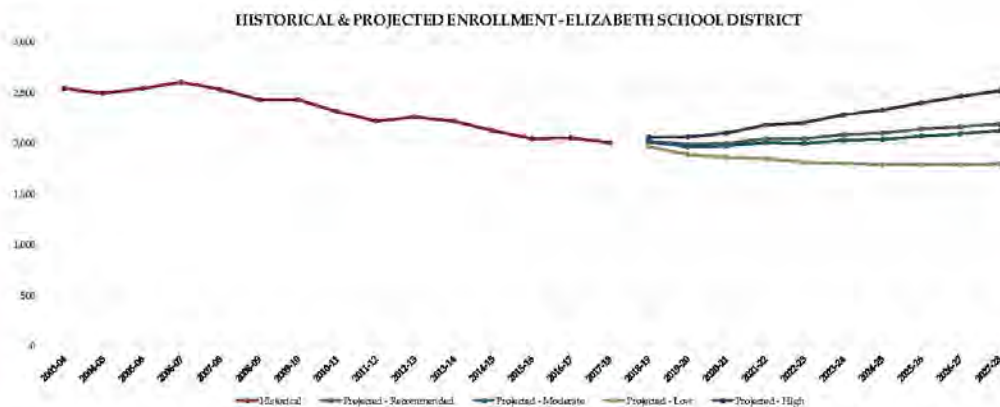
The enrollment projections for the Elizabeth School District included in this report were developed using the cohort survival methodology and Cooperative Strategies' custom enrollment projection software, S.T.E.P. [Student Trends & Enrollment Projections]. This custom software was developed in collaboration with The Ohio State University and is based on industry best practices as well as the national experience Cooperative Strategies has with schools, school districts, and state agencies.



The projections presented in this report are meant to serve as a planning tool for the future, and represent the most likely direction of the District. Enrollment projections were developed by analyzing the following data:

- Live birth data
- Historical enrollment by school, by grade
- Home based education
- Choice in & out
- Census data
- Building permits
- Planned housing development

Enrollment in the Elizabeth School District has decreased by 537 students since the 2003-04 school year. Based on the cohort survival methodology, enrollment is projected to increase over the next ten years, primarily due to increased live birth counts since 2013.



As with any projection, the District should pay close attention to the variables associated with determining enrollment projections discussed in this document. Any one or more of these factors can increase or decrease enrollment within the Elizabeth School District. It is recommended that the data contained in this report be reviewed on an annual basis to determine how more recent trends will impact both the enrollment and any new housing development.

ENROLLMENT PROJECTION METHODOLOGY

Introduction

Tracing the landscape of the country's public school enrollment back over the past fifty years reveals demographic, economic, and social changes. The United States as a whole continues to undergo major shifts in public student enrollment, due in large part to past events including the baby boom, the availability and use of birth control, and the development of suburbs. The baby boom of the late 1940s and 50s was followed by the baby bust of the 1960s and 70s. This gave rise to the echo baby boom of the 1980s.



Source: CDC, National Vital Statistics Report



Source: CDC, National Vital Statistics Report

Nationwide, districts have experienced the effects of the echo baby bust of the 1990s. From the 1950s to the 1970s, a dramatic downsizing of the family unit occurred. A direct result was the declining school enrollment of the 1970s and 1980s. As of the 2010 Census, the size of a family was at an all-time low of 3.14 persons. The live birth rate increased for the first time in several years in 1998 and increased again in 2000. However, the birth rate resumed a descending pattern in 2001 and reached an all-time low of 12.4 (per 1,000) in 2015.

When projecting future enrollments, it is vital to track the number of live births, the amount of new housing activity, and the change in household composition. In addition, any of the following factors could cause a significant change in projected student enrollment:

- Boundary adjustments
- New school openings
- Changes / additions in program offerings
- Preschool programs
- Change in grade configuration
- Interest rates / unemployment shifts
- Intra- and inter-district transfer
- Funding
- Magnet / charter / private school opening or closure
- Zoning changes
- Unplanned new housing activity
- Planned, but not built, housing
- School voucher programs
- School closures

Obviously, certain factors can be gauged and planned for far better than others. For instance, it may be relatively straightforward to gather housing data from local builders regarding the total number of lots in a planned subdivision and calculate the potential student yield. However, planning for changes in the unemployment rate, and how these may either boost or reduce public school enrollment, proves more difficult. In any case, it is essential to gather a wide variety of information in preparation for producing enrollment projections.

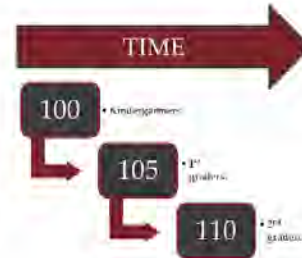
When looking ahead at a school district's enrollment over the next two, five, or ten years, it is helpful to approach the process from a comprehensive perspective. For example: How many new homes have been constructed each year? How many births have occurred each year in relation to the resident population? Is housing experiencing a turnover—if so, what is the composition of families moving in/out? Are more or less students attending private school or being home-schooled? What has the unemployment rate trend been over the past ten years? What new educational policies are in place that could affect student enrollment figures?

The cohort survival methodology is often used to answer these questions and is standard throughout the educational planning industry. The enrollment projections developed for the Elizabeth School District were developed using the cohort survival method.

Cohort Survival Method

The cohort survival methodology (sometimes referred to as the grade progression ratio method) is a widely used enrollment projection model that is used by many school districts and state and federal agencies to project K-12 enrollment.

A cohort is a group of persons [in this case, students]. The cohort survival enrollment projection methodology uses historic live birth data and historic student enrollment to “age” a known population or cohort throughout the school grades. For instance, a cohort begins when a group of kindergarteners enrolls in grade K and moves to first grade the following year, second grade the next year, and so on.



A “survival ratio” is developed to track how this group of students increased or decreased in number as they moved through the grade levels. By developing survival ratios for each grade transition [i.e. 2nd to 3rd grade] over a ten year period of time, patterns emerge. A projection ratio for each grade transition is developed based on analysis of the survival ratios. The projections are used as a multiplier in determining future enrollment.

For example, if student enrollment has consistently increased from the 8th to the 9th grade over the past ten years, the survival ratio would be greater than 100% and could be multiplied by the current 8th grade to develop a projection for next year’s 9th grade. This methodology can be carried through to develop ten years of projection figures. Because there is not a grade cohort to follow for students coming into kindergarten, resident live birth counts are used to develop a birth-to-kindergarten survival ratio. Babies born five years previous to the kindergarten class are compared in number, and a ratio can be developed to project future kindergarten enrollments.

The cohort survival method is useful in areas where population is stable [relatively flat, growing steadily, or declining steadily], and where there have been no significant fluctuations in enrollment, births, and housing patterns from year to year. The cohort survival methodology inherently considers the net effects of factors such as migration, housing, dropouts, transfers to and from charter schools, open enrollment, and deaths. This methodology does not assume changes in policies, program offerings, or future changes in housing and migration patterns.

The district-wide survival ratios for Elizabeth School District can be found on page 19 of this report.

U.S. CENSUS

According to the U.S. Census Bureau, the population in Elbert County, Colorado increased from 19,872 to 23,086, or approximately 16 percent, between the 2000 and 2010 Census.

In terms of school-aged children [5-19], the population increased by 86, or 1.7 percent. The under age 5 population decreased from 1,305 to 1,157, or 11 percent.

The median age of a Elbert County, Colorado resident is 43.8, an increase of 6.6 years since the 2000 Census.

The average household size decreased from 2.93 to 2.75. The average family size decreased from 3.19 to 3.05.

The number of total housing units increased in tandem with the number of occupied and vacant housing units.

The table to the right provides a comparison of the 2000 and 2010 U.S. Census data.







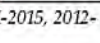
**ELBERT COUNTY, CO
U.S. CENSUS**

Subject	2000	2010
Total population	19,872	23,086
SEX AND AGE		
Male	9,966	11,553
Female	9,906	11,533
Under 5 years	1,305	1,157
5 to 19 years	5,156	5,242
20 to 64 years	12,219	14,494
65 years and over	1,192	2,193
Median age (years)	37.2	43.8
RACE		
One Race	98.2%	98.1%
White	95.2%	94.7%
Black or African American	0.6%	0.7%
American Indian and Alaska Native	0.6%	0.7%
Asian	0.4%	0.7%
Native Hawaiian and Other Pacific Islander	0.1%	0.1%
Some Other Race	1.3%	1.2%
Two or More Races	1.8%	1.9%
Hispanic or Latino	3.9%	5.3%
DEMOGRAPHICS		
Average household size	2.93	2.75
Average family size	3.19	3.05
HOUSING OCCUPANCY		
Total housing units	7,113	8,939
Occupied housing units	6,770	8,380
Vacant housing units	343	559

Source: U.S. Census.

The table below illustrates the population by age group from 2011 through 2016.

**POPULATION BY AGE GROUP
ELBERT COUNTY, COLORADO**

	2011	2012	2013	2014	2015	2016	Trend
0 - 2 years	544	535	585	621	521	555	
3 & 4 years	576	546	481	407	398	410	
5 - 9 years	1,743	1,781	1,660	1,613	1,557	1,572	
10 - 14 years	1,855	1,768	1,873	1,774	1,799	1,731	
15 - 17 years	1,209	1,179	1,188	1,214	1,224	1,229	
18 & 19 years	551	578	609	651	645	661	
20 - 24 years	766	823	905	1,008	1,088	1,127	
25 - 34 years	1,678	1,650	1,697	1,664	1,815	1,853	
35 years and over	13,937	14,198	14,297	14,593	14,808	15,087	
Total	22,859	23,058	23,295	23,545	23,855	24,225	

Source: U.S. Census, American Community Survey 5-Year Estimates 2007-2011, 2008-2012, 2009-2013, 2010-2014, 2011-2015, 2012-2016

The darker shades of blue represent smaller populations while the darker shades of red represent larger populations in comparison to the same age group population.

According to the U.S. Census Bureau, the population in Elizabeth town, Colorado decreased from 1,434 to 1,358, or approximately 5.3 percent, between the 2000 and 2010 Census.

In terms of school-aged children [5-19], the population decreased by 37, or 10 percent. The under age 5 population decreased from 144 to 111, or 23 percent.

The median age of an Elizabeth town, Colorado resident is 33, an increase of 3.4 years since the 2000 Census.

The average household size decreased from 2.89 to 2.78. The average family size decreased from 3.27 to 3.20.

The number of total housing units increased in tandem with the number of vacant housing units. The number of occupied housing units decreased between the 2000 and 2010 Census.

The table to the right provides a comparison of the 2000 and 2010 U.S. Census data.

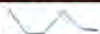








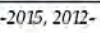
**ELIZABETH TOWN, CO
U.S. CENSUS**

Subject	2000	2010
Total population	1,434	1,358
SEX AND AGE		
Male	736	661
Female	698	697
Under 5 years	144	111
5 to 19 years	384	347
20 to 64 years	846	808
65 years and over	60	92
Median age (years)	29.6	33.0
RACE		
One Race	98.6%	97.9%
White	94.0%	94.5%
Black or African American	0.1%	0.3%
American Indian and Alaska Native	0.8%	0.8%
Asian	0.2%	0.5%
Native Hawaiian and Other Pacific Islander	0.0%	0.0%
Some Other Race	3.5%	1.8%
Two or More Races	1.4%	2.1%
Hispanic or Latino	6.0%	7.5%
DEMOGRAPHICS		
Average household size	2.89	2.78
Average family size	3.27	3.20
HOUSING OCCUPANCY		
Total housing units	513	531
Occupied housing units	496	489
Vacant housing units	17	42

Source: U.S. Census

The table below illustrates the population by age group from 2011 through 2016.

**POPULATION BY AGE GROUP
ELIZABETH TOWN, COLORADO**

	2011	2012	2013	2014	2015	2016	Trend
0 - 2 years	74	53	53	72	58	56	
3 & 4 years	61	54	42	26	14	15	
5 - 9 years	142	173	171	167	139	119	
10 - 14 years	112	89	67	58	63	67	
15 - 17 years	57	12	64	74	67	73	
18 & 19 years	47	39	27	31	34	18	
20 - 24 years	83	52	43	35	48	29	
25 - 34 years	265	256	240	252	245	259	
35 years and over	522	503	547	555	568	538	
Total	1,363	1,231	1,254	1,270	1,236	1,174	

Source: U.S. Census, American Community Survey 5-Year Estimates 2007-2011, 2008-2012, 2009-2013, 2010-2014, 2011-2015, 2012-2016.

The darker shades of blue represent smaller populations while the darker shades of red represent larger populations in comparison to the same age group population.

GENERAL DEMOGRAPHICS

The following information represents block group estimates and projections created from market research and U.S. Census data obtained from the Environmental Systems Research Institute [ESRI]. ESRI provides a yearly update to their demographic data in increments of five years. To make updates to their demographic data set, they use American Community Survey [ACS] data that takes a series of monthly sample surveys but only from areas with populations of 65,000 or more. One year of ACS data is a period estimate as a twelve-month average, rather than a single point in time.

According to the ESRI estimates, the total population of Elbert County, Colorado is projected to increase over the next five years. As illustrated in the table below, the number of children, ages 5-18, is projected to decrease by 111 children, or 2.3 percent.

**ELBERT COUNTY
POPULATION ESTIMATES**

Age	2017	2022
Ages 0-2	616	655
Ages 3-4	512	506
Ages 5-10	1,826	1,723
Ages 11-13	1,115	1,065
Ages 14-18	1,888	1,930
Ages 5-18	4,829	4,718
Total Population	25,458	27,526

Source: ESRI BIS

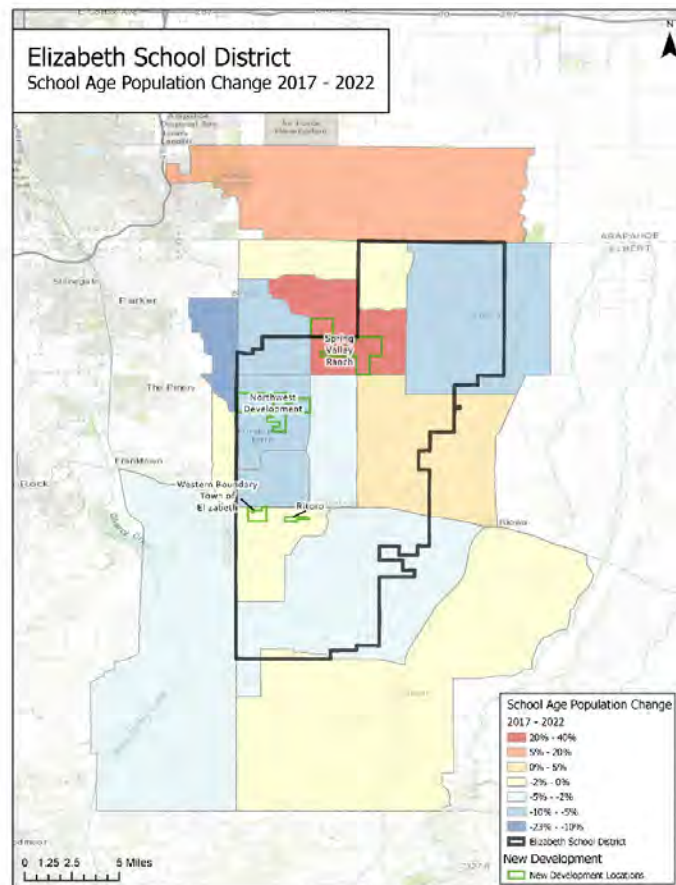
**ELBERT COUNTY
POPULATION ESTIMATES**



ELIZABETH SCHOOL DISTRICT ESTIMATED SCHOOL AGED POPULATION GROWTH 2017-22

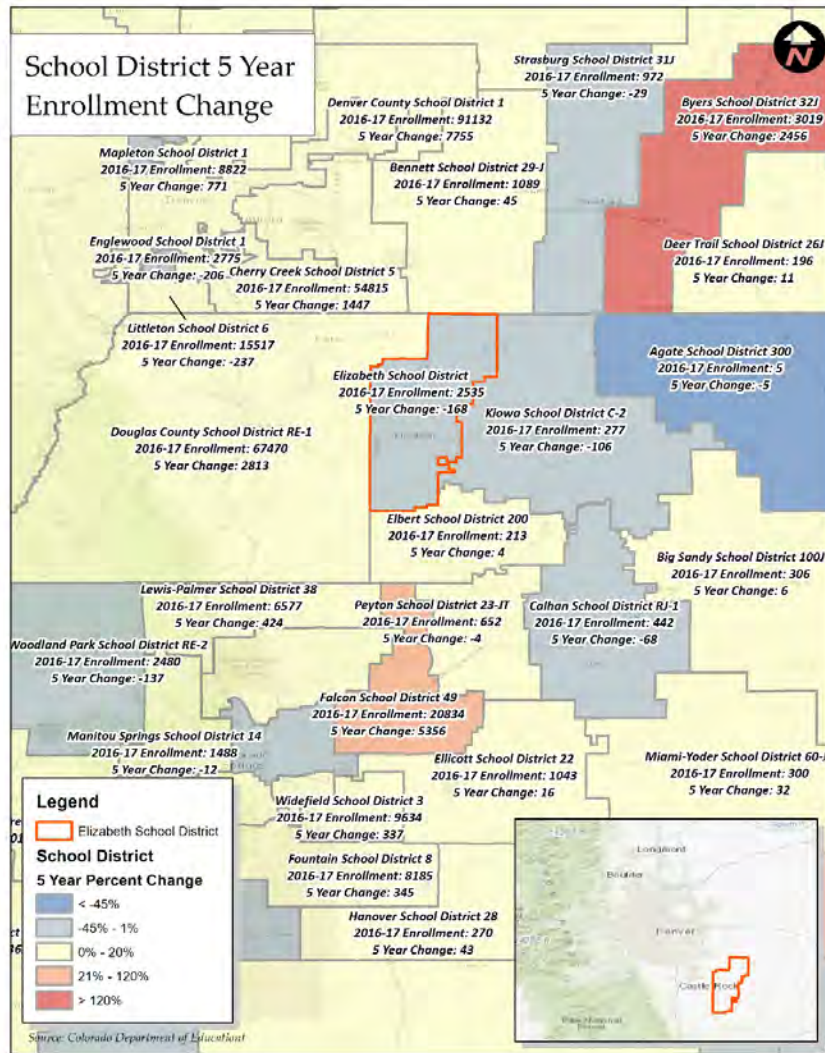
The map below shows school age population change in the U.S. Census block groups within / around the Elizabeth School District boundary. Population changes are based on 2017 and 2022 estimates.

A block group is defined by the U.S. Census Bureau as, “a statistical division of a census tract, generally defined to contain between 600 and 3,000 people and 240 and 1,200 housing units, and the smallest geographic unit for which the Census Bureau tabulates sample data.”



ELIZABETH SCHOOL DISTRICT SURROUNDING SCHOOL DISTRICTS

The map on the following page illustrates school districts surrounding the Elizabeth School District with their 2016-17 enrollment and 5 year historical enrollment change.



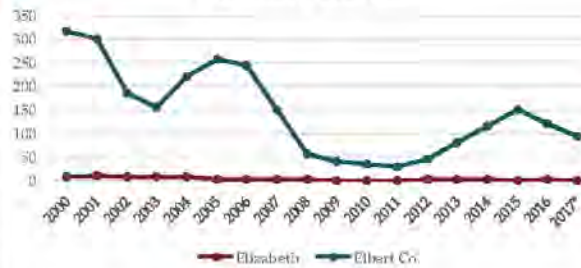
HOUSING DATA

Housing development and building permits are tracked to determine their effect on student enrollment. The table and chart below illustrates the number of single-family building permits issued in Elizabeth and Elbert County since 2000.

**BUILDING PERMITS
SINGLE-FAMILY**

Year	Elizabeth	Elbert Co.
2000	8	317
2001	10	301
2002	7	185
2003	6	154
2004	6	219
2005	2	258
2006	2	244
2007	3	150
2008	1	57
2009	0	39
2010	0	33
2011	0	30
2012	1	45
2013	1	79
2014	1	116
2015	0	149
2016	1	120
2017*	0	94

OF SINGLE-FAMILY BUILDING PERMITS ISSUED



Source: SOCDs Building Permits Database

*preliminary through July 2017

SUBDIVISION ANALYSIS

The table below shows the number of K-12 students residing within, the number of single family units, and the calculated K-12 yield for each subdivision in the District. The K-12 yield is simply calculated by taking the number of students living in a subdivision and dividing it by the total number of units for that subdivision. The average K-12 yield for the District is 0.27 students per unit. The K-12 enrollment data reflects the October count provided by the District and the housing unit information is from December 8th, 2018 provided by Elbert County.

More information and a detailed map of all subdivisions can be found in the appendix.

Subdivision Num	Subdivision Name	K-12 Students	Units	K-12 Yield	Subdivision Num	Subdivision Name	K-12 Students	Units	K-12 Yield
1	Andrea Court	1	7	0.143	43	Park Lane Estates	7	31	0.226
2	Antelope Hills Rezone	0	8	0.000	44	Parker Hylands	62	208	0.298
3	Bayou Gulch	0	8	0.000	45	Pawnee Hills	49	203	0.241
4	Blue Bird Estates	0	6	0.000	46	Pike View Farms	9	15	0.600
5	Bonnie Ridge	2	44	0.045	47	Pine Creek East	2	19	0.111
6	Bow Meadows	10	47	0.213	48	Pine Crest Estates	2	43	0.047
7	Britanie Ridge Estate	26	72	0.361	49	Pine Ridge	48	145	0.331
8	Cherry Ridge	21	78	0.269	50	Pleasant Ridge Estates	15	32	0.469
9	Chisholm	22	100	0.220	51	Powderosa Park Estates	139	385	0.361
10	Cinarron	73	139	0.525	52	Prairie Trails Ranches	16	56	0.286
11	Clear View Arces	9	27	0.333	53	Rambling Rose Estates	2	8	0.250
12	Comestings Ranches	4	19	0.211	54	Rawhide Ranches	1	15	0.067
13	Country Lane Farm	2	13	0.154	55	Richards Acres	4	6	0.667
14	Coyote Hills	6	41	0.146	56	Robinson	0	9	0.000
15	Cross Diamond Acres	8	26	0.308	57	Running Brook Estates	14	67	0.209
16	Deer Creek Farms	81	242	0.335	58	Rustlers Ridge	7	19	0.368
17	Deer Creek Ranches	19	46	0.413	59	Sable Ridge	10	36	0.278
18	Deerpoint Meadows	1	6	0.167	60	Saddlewood	61	146	0.419
19	Dove Creek	0	6	0.000	61	Signal Ridge Block B	0	9	0.000
20	Elbert Ranch Estates	0	16	0.000	62	Southern Hills	6	44	0.136
21	Elizabeth Farms	11	28	0.393	63	Spring Meadows	1	6	0.167
22	Elizabeth Gold Creek Park	0	9	0.000	64	Spring Valley Estates	0	10	0.000
23	Elizabeth In The Pines	27	87	0.310	65	Spring Valley Ranch	135	422	0.319
24	Elizabeth Ridge	2	13	0.154	66	Stage Run	12	104	0.115
25	Fawn Meadows	0	8	0.000	67	Summers Ranch	0	9	0.000
26	Forest Park	17	73	0.233	68	Summit Business Park	0	9	0.000
27	Foxtail	6	8	0.750	69	Sun Country Meadows	181	462	0.392
28	Foxwood	5	19	0.263	70	Sun Creek Ranches	7	34	0.206
29	Foxwood Ranches	1	23	0.043	71	Sunset Valley Estates East And West	3	16	0.188
30	Gambel Oaks	31	96	0.323	72	Territory	3	31	0.097
31	Gilliland Property	5	32	0.156	73	The Estates At Hidden Pines	9	18	0.500
32	Gold Creek Meadows	0	32	0.000	74	The Pines	15	125	0.120
33	Gregory	2	9	0.222	75	Thunder Hill	23	76	0.303
34	High Country Land	7	32	0.219	76	TNM Ranches	0	11	0.000
35	Hilltop Landing	10	33	0.303	77	Town of Elizabeth	223	637	0.350
36	Idylwisse Farm	4	13	0.308	78	Vista Del Sol	12	29	0.414
37	Indian Tree	1	11	0.091	79	West Wind	1	11	0.091
38	LaDonna Vista	1	19	0.053	80	Western Country Ranches	54	145	0.372
39	McCart Ranch Land Survey	0	9	0.000	81	Whispering Pines Acres	0	10	0.000
40	Miller Ranch	1	40	0.025	82	Wild Pointe	44	211	0.209
41	Outback Estates	12	32	0.375	83	Willow Creek	15	47	0.319
42	Overland	68	114	0.596	84	Willowbrook Ranches	6	20	0.300

The tables below summarize information about known new developments in the District. The timeline illustrates the potential number of new students expected from each new development over the next 12 years, when they are expected to be fully built out. We have chosen to apply a student yield of 0.356 to these new developments. This number is based on an average of three similar subdivisions in the district in lot size, age, and number of units. These subdivisions were Ponderosa Park Estates, Spring Valley Ranch (*portion already built*), and Sun Country Meadows.

More maps and information can be found in the appendix to this report.

NOTE - We have included some information about a large development on the western edge of the Town of Elizabeth. Based on conversations with the developer, this project is in a theoretical phase and will still require annexation and rezoning. For this reason, we have included information about this development but have not included it in the timeline for potential students.

New Development Information

Development Name	Elementary Boundary	Total Units or Additional	Est. Construction Year	Units Sold per Year	Student Yield	Total Student Potential (At Build Out)
Spring Valley Ranch	Singing Hills ES	750	2018	90	0.356	267
Ritiro	Running Creek ES	340	2018	80	0.356	121
NW Development	Singing Hills ES	920	2020	100	0.356	328
***Western Boundary Town of Elizabeth	Running Creek ES	1000	Unknown	100	0.356	356

Timeline of Potential Students per Year

Development Name	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0	0	0
Ritiro	28	28	28	28	7	0	0	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36	36	7

It should be noted that the student potential from planned development may include existing Elizabeth School District students.

LIVE BIRTH DATA

Utilization of live birth data is recommended when projecting future kindergarten enrollments. This data provides a helpful overall trend. Large bubbles in birth counts, either up or down, can also be planned for or anticipated by the District.

In addition, the live birth counts are used in determining a birth-to-kindergarten and birth-to-first grade survival ratio. This ratio identifies the percentage of children born in a representative area who attend kindergarten and first grade in the District five and six years later. The survival ratios for birth-to-kindergarten, birth-to-first grade, as well as grades 1-12 can be found on page 19 of this report.

Data is arranged by the residence of the mother. For example, if a mother lives in Elizabeth but delivers her baby in Denver, the birth is counted in Elizabeth. Live birth counts are different from live birth rates. The live birth count is simply the actual number of live births. A birth rate is the number of births per 1,000 women in a specified population group.

The table and graph includes the resident live birth counts for the Elizabeth School District.

**RESIDENT LIVE BIRTH COUNTS
 ELIZABETH SCHOOL DISTRICT**

Year	# of live births
2002	144
2003	123
2004	108
2005	120
2006	111
2007	95
2008	109
2009	107
2010	92
2011	97
2012	86
2013	95
2014	111
2015	125
2016	126

Source: Vital Statistics Program, Colorado Department of Public Health and Environment.

**RESIDENT LIVE BIRTH COUNTS
 ELIZABETH SCHOOL DISTRICT**



SURVIVAL RATIOS

The chart below demonstrates the fifteen-year changes in enrollment as students move through the system. Percentages greater than 100 indicate that there are more students than there were in the previous grade the previous year. In other words, there was an increase in student population where new students were added to the system. Percentages less than 100 indicate that there was decline or students left the system. If the exact number of students in 1st grade during the 2010-11 school year were present in 2nd grade for the 2011-12 school year, the survival ratio would be 100 percent.

Birth-to-Kindergarten and Birth-to-First Grade: This ratio indicates the number of children born in the area who attend kindergarten and first grade in the District five and six years later.

The following table illustrates the historical survival ratios in the Elizabeth School District over the past fifteen years by grade level. What is important to note is the trend in survival ratios, not necessarily the actual number.

Survival Ratios - District-wide

from	to	Birth to K	K to 1	Birth to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12
2004	2005	Inf	104.17%	Inf	109.30%	105.63%	102.20%	98.19%	102.43%	94.31%	102.34%	113.27%	87.27%	92.86%	94.90%
2005	2006	65.38%	104.03%	Inf	108.00%	106.38%	106.51%	101.61%	107.36%	100.00%	107.04%	121.92%	92.47%	93.33%	99.49%
2006	2007	117.66%	120.59%	78.85%	105.16%	107.41%	94.00%	97.78%	98.41%	105.71%	101.90%	114.55%	92.51%	103.62%	91.96%
2007	2008	101.39%	105.63%	124.26%	111.58%	107.98%	100.00%	109.22%	101.70%	98.92%	107.03%	112.56%	98.31%	84.21%	84.72%
2008	2009	108.13%	102.05%	105.47%	100.59%	100.00%	104.55%	97.70%	100.65%	102.23%	95.65%	104.55%	93.80%	92.77%	95.67%
2009	2010	131.48%	96.24%	104.07%	100.67%	101.18%	103.68%	102.17%	99.41%	96.13%	108.20%	115.34%	94.69%	103.96%	96.33%
2010	2011	94.17%	90.14%	118.52%	96.31%	98.00%	100.00%	102.11%	102.13%	95.86%	100.67%	107.58%	101.97%	96.94%	95.34%
2011	2012	106.41%	95.58%	90.00%	100.00%	106.56%	104.08%	99.42%	96.55%	101.56%	99.38%	114.00%	105.16%	98.59%	98.42%
2012	2013	131.58%	98.29%	103.60%	106.48%	108.59%	97.69%	101.31%	96.49%	101.43%	96.92%	123.60%	106.77%	106.25%	105.88%
2013	2014	113.76%	92.80%	122.11%	98.26%	105.22%	100.72%	102.36%	111.61%	114.55%	117.61%	113.23%	102.01%	92.47%	100.00%
2014	2015	97.20%	100.81%	114.68%	106.90%	104.42%	100.00%	104.29%	95.58%	101.73%	102.65%	106.59%	97.66%	93.10%	115.12%
2015	2016	108.70%	115.38%	112.15%	104.80%	101.61%	106.78%	101.68%	100.68%	104.03%	91.48%	111.86%	93.82%	90.91%	98.77%
2016	2017	95.48%	99.00%	107.61%	105.83%	108.40%	105.56%	109.52%	110.57%	106.80%	109.30%	118.77%	103.46%	96.41%	96.32%
2017	2018	123.26%	101.08%	96.91%	102.02%	107.87%	97.89%	95.49%	95.65%	102.21%	101.27%	115.60%	103.19%	95.41%	103.11%
mean simple all years		Inf	101.64%	Inf	103.91%	104.95%	101.69%	101.63%	101.36%	101.82%	102.96%	113.67%	97.86%	95.77%	98.07%
std. dev. simple all years		NA	8.19%	NA	4.55%	3.43%	3.73%	4.05%	5.24%	5.14%	6.56%	5.26%	5.93%	5.86%	6.98%
mean simple 5 years		107.76%	101.81%	110.69%	103.56%	105.51%	102.19%	102.66%	102.78%	105.66%	104.46%	112.81%	99.43%	93.68%	102.06%
std. dev. simple 5 years		11.51%	8.29%	9.32%	3.47%	2.76%	3.60%	5.06%	7.68%	5.25%	9.72%	3.98%	3.76%	2.23%	7.68%
mean simple 3 years		109.28%	105.15%	105.56%	104.22%	105.96%	103.41%	102.22%	102.30%	104.35%	100.65%	114.74%	99.16%	94.24%	98.40%
std. dev. simple 3 years		18.70%	6.92%	7.53%	1.97%	3.77%	4.82%	7.03%	7.59%	2.31%	8.93%	2.87%	4.82%	2.93%	4.09%
mean simple 2 years		109.57%	100.04%	102.26%	103.93%	108.14%	101.72%	102.51%	103.11%	104.50%	105.29%	116.19%	101.83%	95.91%	99.71%
std. dev. simple 2 years		19.36%	1.47%	7.57%	2.70%	0.37%	5.42%	9.92%	10.55%	3.25%	5.65%	0.83%	1.93%	0.70%	4.60%
mean weighted all years		Inf	101.33%	Inf	103.48%	105.59%	101.79%	101.86%	101.25%	103.58%	102.74%	113.91%	100.01%	98.51%	100.44%
std. dev. weighted all years		NA	7.29%	NA	3.57%	3.21%	3.71%	4.84%	6.39%	4.58%	7.33%	4.62%	4.74%	4.57%	6.72%
mean weighted 5 years		112.76%	102.03%	103.17%	103.51%	106.98%	101.12%	100.50%	100.48%	103.91%	102.66%	114.57%	101.02%	94.91%	101.09%
std. dev. weighted 5 years		13.61%	5.75%	8.15%	2.25%	2.47%	4.27%	6.65%	7.37%	2.96%	6.46%	2.61%	3.46%	1.93%	5.33%
mean weighted 3 years		117.88%	101.27%	99.38%	102.80%	107.72%	99.55%	98.19%	98.47%	103.08%	102.30%	115.66%	102.34%	95.41%	101.63%
std. dev. weighted 3 years		12.90%	3.62%	5.59%	1.84%	1.53%	3.98%	6.57%	6.94%	2.15%	4.59%	1.09%	2.46%	1.21%	3.47%
mean weighted 2 years		121.98%	100.98%	97.42%	102.20%	107.90%	98.25%	96.16%	96.36%	102.42%	101.66%	115.66%	103.06%	95.46%	102.78%
std. dev. weighted 2 years		8.25%	0.63%	3.22%	1.15%	0.16%	2.31%	4.23%	4.49%	1.38%	2.42%	0.35%	0.82%	0.30%	2.04%

Simple averages = historical observations have equal weight

Weighted averages = weights exponentially decay from the most recent year

HOME BASED EDUCATION

The number of students who elect home based education has fluctuated between 13 and 39 students since the 2009-10 school year.

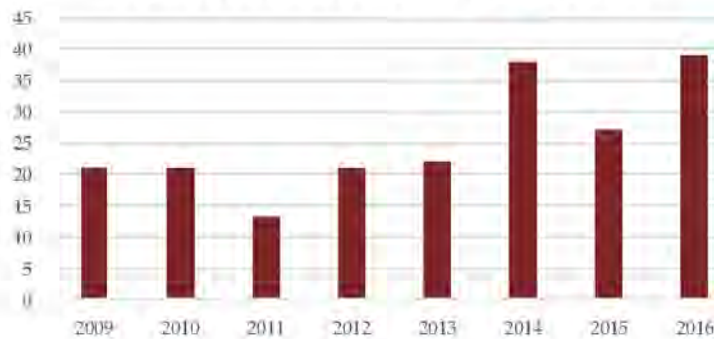
ELIZABETH SCHOOL DISTRICT

Year	# of Students Home-schooled
2009	21
2010	21
2011	13
2012	21
2013	22
2014	38
2015	27
2016	39

Source: Colorado Department of Education

Note: 2017-18 enrollment figures are not available.

ELIZABETH SCHOOL DISTRICT # OF STUDENTS HOME-SCHOOLED



OPEN ENROLLMENT IN & OUT

The number of students who reside in the Elizabeth School District and chose to attend non-Elizabeth School District schools has increased from 140 students in the 2003-04 school year to 260 students in the 2016-17 school year, an open enrollment out increase of approximately 86 percent. Conversely, the number of students who live outside the Elizabeth School District and chose to attend schools in the Elizabeth School District has increased from 187 students in the 2003-04 school year to 386 students in the 2016-17 school year, an open enrollment in increase of approximately 106 percent.

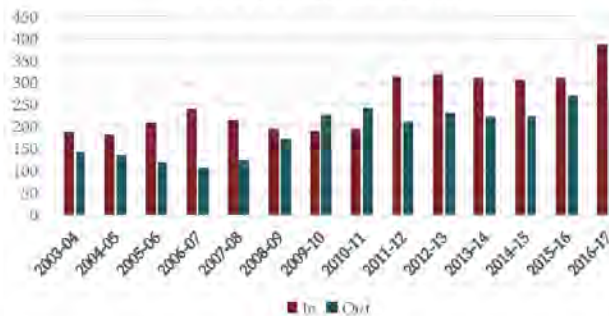
OPEN ENROLLMENT

School Year	In	Out	Net +/-
2003-04	187	140	47
2004-05	181	134	47
2005-06	207	120	87
2006-07	238	104	134
2007-08	216	122	94
2008-09	193	172	21
2009-10	190	227	-37
2010-11	192	242	-50
2011-12	311	212	99
2012-13	319	231	88
2013-14	310	221	89
2014-15	307	223	84
2015-16	310	269	41
2016-17	386	260	126

Source: Colorado Department of Education

Note: 2017-18 enrollment figures are not available.

OPEN ENROLLMENT



ELIZABETH SCHOOL DISTRICT HISTORICAL ENROLLMENT

As indicated in the table below, over the past fifteen years, PK-12 student enrollment in the Elizabeth School District has decreased by 537 students, or approximately 21 percent.

Historical Enrollment - District-wide

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
PK	44	44	100	158	139	122	150	148	133	143	117	116	129	136	141
K	144	149	102	160	146	133	142	113	112	125	124	104	100	93	106
1	129	150	155	123	169	149	128	128	108	115	116	125	120	99	94
2	160	141	162	163	137	170	150	122	128	115	113	124	131	127	101
3	182	169	150	174	176	137	172	147	130	139	121	118	126	142	137
4	166	186	180	141	174	184	142	172	153	127	140	121	126	133	139
5	206	163	189	176	154	170	188	145	171	155	130	146	123	138	127
6	211	211	175	186	179	155	169	192	140	165	173	124	147	136	132
7	214	199	211	185	184	183	149	162	195	142	189	176	129	157	139
8	211	219	213	215	198	176	198	150	161	189	167	194	161	141	159
9	225	239	267	244	242	207	203	213	171	199	214	178	217	188	163
10	210	240	221	247	235	227	196	207	224	186	203	209	167	218	194
11	196	195	224	229	208	218	236	190	204	238	172	189	190	161	208
12	195	186	194	206	194	199	210	225	187	216	238	198	181	183	166
Grand Total	2,543	2,491	2,543	2,607	2,535	2,430	2,433	2,314	2,222	2,254	2,217	2,122	2,047	2,052	2,006

Source: Elizabeth School District

Historical Enrollment - District-wide

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
PK	44	44	100	158	139	122	150	148	133	143	117	116	129	136	141
K - 5	987	958	938	937	956	943	922	827	807	776	744	738	726	732	704
6 - 8	636	629	599	586	561	514	516	504	496	496	529	494	437	434	430
9 - 12	876	860	906	926	879	851	845	835	786	839	827	774	755	750	731
Grand Total	2,543	2,491	2,543	2,607	2,535	2,430	2,433	2,314	2,222	2,254	2,217	2,122	2,047	2,052	2,006

Source: Elizabeth School District

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected district-wide enrollment.

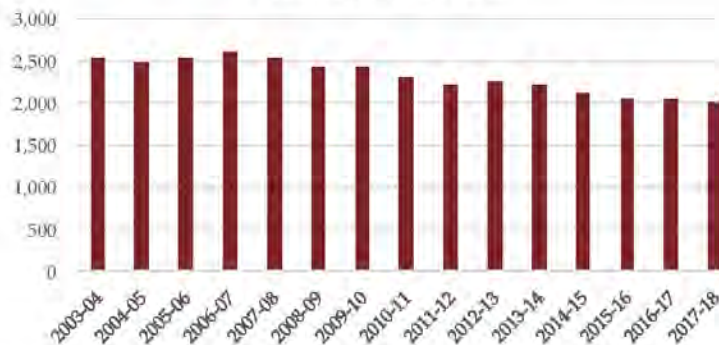
Historical Enrollment - by School

School	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	Trend
Elizabeth High	824	809	848	866	835	812	785	776	721	778	794	717	701	693	676	
Frontier High	52	51	58	60	44	39	59	59	58	61	63	57	54	52	55	
Elizabeth Middle	636	629	599	586	561	514	516	504	496	496	529	494	437	434	430	
Running Creek Elementary	510	516	490	495	496	461	459	386	361	352	341	343	332	334	312	
Singing Hills Elementary	477	442	448	442	460	482	463	441	446	424	403	395	394	398	392	
Running Creek Preschool	24	33	89	92	72	57	82	77	82	83	68	61	66	72	63	
Singing Hills Preschool	29	11	29	66	67	65	68	71	51	60	49	55	63	64	78	
Total	2,543	2,491	2,543	2,607	2,535	2,430	2,433	2,314	2,222	2,254	2,217	2,122	2,047	2,052	2,006	

Source: Elizabeth School District

School	Trend
Elizabeth High	
Frontier High	
Elizabeth Middle	
Running Creek Elementary	
Singing Hills Elementary	
Running Creek Preschool	
Singing Hills Preschool	
Total	

HISTORICAL ENROLLMENT - DISTRICT-WIDE



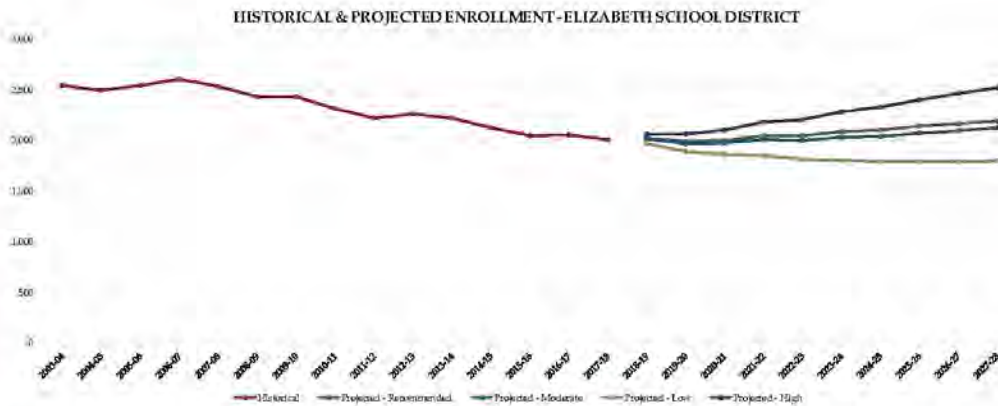
PROJECTED ENROLLMENT

Cooperative Strategies developed low, moderate, high, and recommended enrollment projections for the Elizabeth School District. The moderate enrollment projections are based on a selected average or weighted average of survival ratios (in this case, a 3 year weighted average, by school). The low and high enrollment projections are developed using statistical distributional theory, providing the District with a more cautious (low) and more generous (high) enrollment projection. The recommended enrollment projection is based on a detailed analysis of historical enrollment and resulting survival ratios over the past 15 years. Significant shifts in survival ratio patterns are realized and accounted for in determining projection ratios independently for each grade level. The recommended illustrates the most likely direction of the District based on more recent trends.

The range of enrollment projections from low (cautious) to high (generous) are offered due to the limitations of the cohort survival method in factoring changes to policies, program offerings, and future changes in housing and migration patterns. For example, the low enrollment projection might be used if housing declines significantly more than anticipated; the high enrollment projection might be used if housing growth increases at a more rapid rate than seen in recent years.

Projected PK enrollment does not follow the cohort survival method but is based on the current PK enrollment at each school with a district-wide total being 141 students.

It should be noted that actual birth data through 2016 is used to project kindergarten enrollment through 2021-22. To project kindergarten through 2027-28, an average number of live births for the 3 most recent years of available data was used.



ELIZABETH SCHOOL DISTRICT PROJECTED ENROLLMENT—RECOMMENDED

Based on the recommended projected enrollment, the student enrollment in the Elizabeth School District is projected to increase from 2,006 students in 2017-18 to 2,191 students in 2027-28, based on the cohort survival method.

Projected Enrollment - Recommended - District-wide

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	141	141	141	141	141	141	141	141	141	141
K	114	132	149	150	143	143	143	143	143	143
1	107	115	134	150	152	145	145	145	145	145
2	98	112	119	139	157	158	151	151	151	151
3	106	103	117	125	146	164	166	159	159	159
4	139	108	104	119	127	149	168	168	161	161
5	140	140	109	105	121	128	150	169	170	163
6	128	138	139	107	104	119	127	148	166	168
7	136	129	142	143	111	107	122	130	152	172
8	142	139	132	145	146	113	109	125	133	156
9	206	169	180	167	184	187	142	147	168	174
10	165	209	172	182	169	187	190	144	149	171
11	188	159	200	165	175	163	179	182	138	144
12	217	194	164	208	170	182	168	185	189	143
Recommended Total	2,024	1,988	2,002	2,046	2,046	2,086	2,101	2,137	2,165	2,191
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0
Ritiro	28	28	28	28	7	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36
Student Potential from Planned Development	60	60	96	96	75	68	68	68	47	36
Grand Total	2,084	2,048	2,098	2,142	2,121	2,154	2,169	2,205	2,212	2,227

Source: Cooperative Strategies

Projected Enrollment - Recommended - District-wide

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	141	141	141	141	141	141	141	141	141	141
K-5	704	710	732	788	846	887	923	935	929	922
6-8	403	406	413	395	361	339	358	403	451	496
9-12	776	731	716	722	698	719	679	658	644	632
Recommended Total	2,024	1,988	2,002	2,046	2,046	2,086	2,101	2,137	2,165	2,191
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0
Ritiro	28	28	28	28	7	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36
Student Potential from Planned Development	60	60	96	96	75	68	68	68	47	36
Grand Total	2,084	2,048	2,098	2,142	2,121	2,154	2,169	2,205	2,212	2,227

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected district-wide enrollment. The bold red line separates the projected enrollment developed based on actual live birth counts and projected live birth counts as described on page 24. It should be noted that the student potential from planned development may include existing Elizabeth School District students.

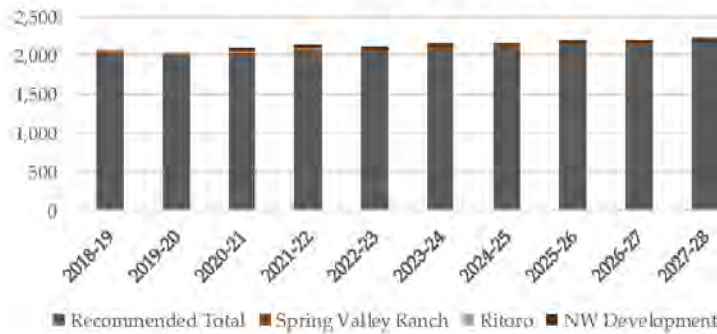
Projected Enrollment - Recommended - by School

School	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Trend
Elizabeth High	717	676	662	667	647	665	627	607	595	586	
Frontier High	59	55	54	55	51	54	52	51	49	46	
Elizabeth Middle	403	406	413	395	361	339	358	403	451	496	
Running Creek Elementary	308	306	317	340	362	381	396	401	398	395	
Singing Hills Elementary	396	404	415	448	484	506	527	534	531	527	
Running Creek Preschool	63	63	63	63	63	63	63	63	63	63	
Singing Hills Preschool	78	78	78	78	78	78	78	78	78	78	
Total	2,024	1,988	2,002	2,046	2,046	2,086	2,101	2,137	2,165	2,191	

Source: Cooperative Strategies

School	Trend
Elizabeth High	
Frontier High	
Elizabeth Middle	
Running Creek Elementary	
Singing Hills Elementary	
Running Creek Preschool	
Singing Hills Preschool	
Total	

PROJECTED ENROLLMENT - RECOMMENDED - DISTRICT-WIDE



ELIZABETH SCHOOL DISTRICT PROJECTED ENROLLMENT—MODERATE

Based on the moderate projected enrollment, the student enrollment in the Elizabeth School District is projected to increase from 2,006 students in 2017-18 to 2,122 students in 2027-28, based on the cohort survival method.

Projected Enrollment - Moderate - District-wide

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	141	141	141	141	141	141	141	141	141	141
K	112	131	147	149	142	142	142	142	142	142
1	108	115	132	150	151	144	144	144	144	144
2	97	111	117	137	154	156	149	149	149	149
3	109	104	120	126	148	167	168	161	161	161
4	137	108	104	119	126	147	166	167	160	160
5	138	135	108	103	118	126	147	165	166	159
6	125	135	133	106	101	117	123	144	162	164
7	136	129	139	137	110	105	121	127	149	167
8	142	139	132	142	140	112	107	123	130	152
9	193	158	169	156	166	165	129	132	151	159
10	168	198	163	174	161	171	170	132	135	155
11	193	166	195	162	172	160	169	168	130	134
12	217	201	173	203	167	177	165	176	175	135
Moderate Total	2,016	1,969	1,973	2,005	1,997	2,030	2,041	2,071	2,095	2,122
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0
Ritiro	28	28	28	28	7	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36
Student Potential from Planned Development	60	60	96	96	75	68	68	68	47	36
Grand Total	2,076	2,029	2,069	2,101	2,072	2,098	2,109	2,139	2,142	2,158

Source: Cooperative Strategies

Projected Enrollment - Moderate - District-wide

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	141	141	141	141	141	141	141	141	141	141
K - 5	701	702	728	784	839	882	916	928	922	915
6 - 8	403	403	404	385	351	334	351	394	441	483
9 - 12	771	723	700	695	666	673	633	608	591	583
Moderate Total	2,016	1,969	1,973	2,005	1,997	2,030	2,041	2,071	2,095	2,122
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0
Ritiro	28	28	28	28	7	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36
Student Potential from Planned Development	60	60	96	96	75	68	68	68	47	36
Grand Total	2,076	2,029	2,069	2,101	2,072	2,098	2,109	2,139	2,142	2,158

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected district-wide enrollment. The bold red line separates the projected enrollment developed based on actual live birth counts and projected live birth counts as described on page 24. It should be noted that the student potential from planned development may include existing Elizabeth School District students.

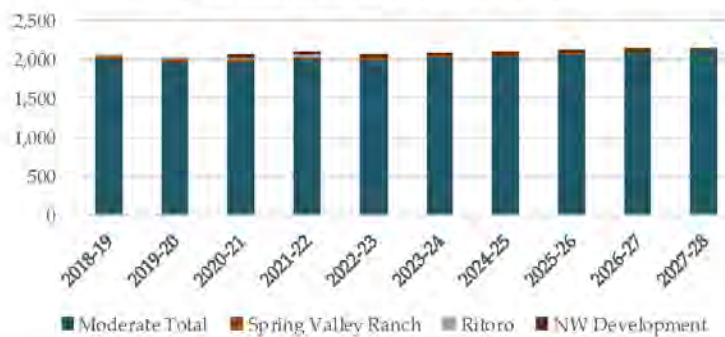
Projected Enrollment - Moderate - by School

School	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Trend
Elizabeth High	712	668	647	641	616	623	585	561	546	541	
Frontier High	59	55	53	54	50	50	48	47	45	42	
Elizabeth Middle	403	403	404	385	351	334	351	394	441	483	
Running Creek Elementary	303	299	307	330	349	367	381	385	382	379	
Singing Hills Elementary	398	403	421	454	490	515	535	543	540	536	
Running Creek Preschool	63	63	63	63	63	63	63	63	63	63	
Singing Hills Preschool	78	78	78	78	78	78	78	78	78	78	
Total	2,016	1,969	1,973	2,005	1,997	2,030	2,041	2,071	2,095	2,122	

Source: Cooperative Strategies

School	Trend
Elizabeth High	
Frontier High	
Elizabeth Middle	
Running Creek Elementary	
Singing Hills Elementary	
Running Creek Preschool	
Singing Hills Preschool	
Total	

PROJECTED ENROLLMENT - MODERATE - DISTRICT-WIDE



ELIZABETH SCHOOL DISTRICT PROJECTED ENROLLMENT—LOW

Based on the low projected enrollment, the student enrollment in the Elizabeth School District is projected to decrease from 2,006 students in 2017-18 to 1,793 students in 2027-28, based on the cohort survival method.

Projected Enrollment - Low - District-wide

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	141	141	141	141	141	141	141	141	141	141
K	107	125	140	141	135	135	135	135	135	135
1	106	106	124	140	141	135	135	135	135	135
2	95	107	108	126	141	142	136	136	136	136
3	106	100	114	114	133	149	151	144	144	144
4	132	103	97	109	109	127	143	145	138	138
5	133	126	99	95	106	105	125	138	140	134
6	121	127	121	94	88	100	100	117	132	133
7	135	124	130	123	96	90	102	102	120	135
8	139	135	124	130	124	97	90	103	103	120
9	185	150	156	141	145	140	104	103	117	117
10	165	188	152	158	142	147	141	105	104	118
11	190	161	184	149	155	139	143	138	103	102
12	210	193	164	187	152	157	142	146	140	105
Low Total	1,965	1,886	1,854	1,846	1,808	1,804	1,786	1,788	1,788	1,793
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0
Ritiro	28	28	28	28	7	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36
Student Potential from Planned Development	60	60	96	96	75	68	68	68	47	36
Grand Total	2,025	1,946	1,950	1,942	1,883	1,872	1,854	1,856	1,835	1,829

Source: Cooperative Strategies

Projected Enrollment - Low - District-wide

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	141	141	141	141	141	141	141	141	141	141
K - 5	679	667	682	723	765	793	823	833	828	822
6 - 8	395	386	375	347	308	287	292	322	355	388
9 - 12	750	692	656	635	594	583	530	492	464	442
Low Total	1,965	1,886	1,854	1,846	1,808	1,804	1,786	1,788	1,788	1,793
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0
Ritiro	28	28	28	28	7	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36
Student Potential from Planned Development	60	60	96	96	75	68	68	68	47	36
Grand Total	2,025	1,946	1,950	1,942	1,883	1,872	1,854	1,856	1,835	1,829

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected district-wide enrollment. The bold red line separates the projected enrollment developed based on actual live birth counts and projected live birth counts as described on page 24. It should be noted that the student potential from planned development may include existing Elizabeth School District students.

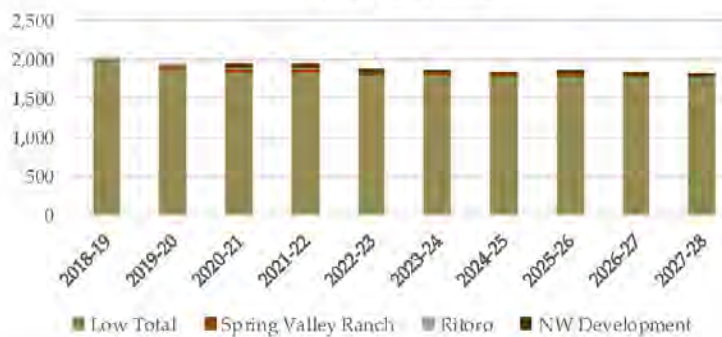
Projected Enrollment - Low - by School

School	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Trend
Elizabeth High	700	645	613	592	555	544	495	459	433	414	
Frontier High	50	47	43	43	39	39	35	33	31	28	
Elizabeth Middle	395	386	375	347	308	287	292	322	355	388	
Running Creek Elementary	294	285	291	308	322	336	348	351	349	347	
Singing Hills Elementary	385	382	391	415	443	457	475	482	479	475	
Running Creek Preschool	63	63	63	63	63	63	63	63	63	63	
Singing Hills Preschool	78	78	78	78	78	78	78	78	78	78	
Total	1,965	1,886	1,854	1,816	1,808	1,804	1,786	1,788	1,788	1,793	

Source: Cooperative Strategies

School	Trend
Elizabeth High	
Frontier High	
Elizabeth Middle	
Running Creek Elementary	
Singing Hills Elementary	
Running Creek Preschool	
Singing Hills Preschool	
Total	

PROJECTED ENROLLMENT - LOW - DISTRICT-WIDE



ELIZABETH SCHOOL DISTRICT PROJECTED ENROLLMENT—HIGH

Based on the high projected enrollment, the student enrollment in the Elizabeth School District is projected to increase from 2,006 students in 2017-18 to 2,520 students in 2027-28, based on the cohort survival method.

Projected Enrollment - High - District-wide

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	141	141	141	141	141	141	141	141	141	141
K	117	138	154	156	149	149	149	149	149	149
1	109	121	142	159	161	154	154	154	154	154
2	98	113	127	149	167	168	161	161	161	161
3	111	108	127	141	164	185	187	179	179	179
4	141	115	112	131	145	170	190	192	184	184
5	141	134	117	114	134	148	173	195	197	189
6	129	134	146	119	116	136	151	176	198	200
7	137	134	149	152	124	121	141	157	183	206
8	145	143	140	156	159	130	126	147	164	191
9	199	167	181	174	190	196	157	167	194	215
10	172	208	175	189	182	199	205	164	175	203
11	197	172	208	174	188	181	199	205	164	174
12	223	209	182	221	185	200	192	210	217	174
High Total	2,060	2,059	2,101	2,176	2,205	2,278	2,326	2,397	2,460	2,520
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0
Ritiro	28	28	28	28	7	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36
Student Potential from Planned Development	60	60	96	96	75	68	68	68	47	36
Grand Total	2,120	2,119	2,197	2,272	2,280	2,346	2,394	2,465	2,507	2,556

Source: Cooperative Strategies

Projected Enrollment - High - District-wide

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	141	141	141	141	141	141	141	141	141	141
K - 5	717	741	779	850	920	974	1,014	1,030	1,024	1,016
6 - 8	411	421	435	427	399	387	418	480	545	597
9 - 12	791	756	746	758	745	776	753	746	750	766
High Total	2,060	2,059	2,101	2,176	2,205	2,278	2,326	2,397	2,460	2,520
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0
Ritiro	28	28	28	28	7	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36
Student Potential from Planned Development	60	60	96	96	75	68	68	68	47	36
Grand Total	2,120	2,119	2,197	2,272	2,280	2,346	2,394	2,465	2,507	2,556

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected district-wide enrollment. The bold red line separates the projected enrollment developed based on actual live birth counts and projected live birth counts as described on page 24. It should be noted that the student potential from planned development may include existing Elizabeth School District students.

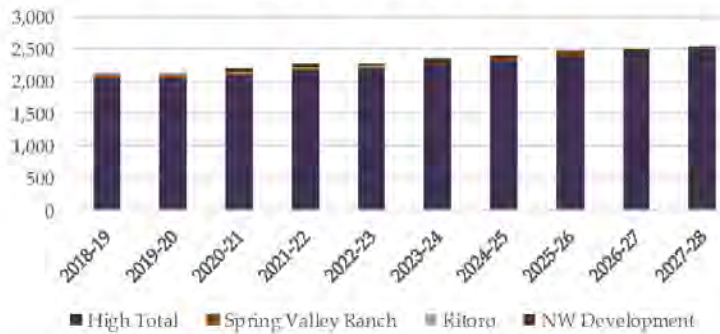
Projected Enrollment - High - by School

School	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Trend
Elizabeth High	723	692	683	692	683	710	689	682	686	703	
Frontier High	68	64	63	66	62	66	64	64	64	63	
Elizabeth Middle	411	421	435	427	399	387	418	480	545	597	
Running Creek Elementary	311	313	326	353	378	398	414	420	418	415	
Singing Hills Elementary	406	428	453	497	542	576	600	610	606	601	
Running Creek Preschool	63	63	63	63	63	63	63	63	63	63	
Singing Hills Preschool	78	78	78	78	78	78	78	78	78	78	
Total	2,060	2,059	2,101	2,176	2,205	2,278	2,326	2,397	2,460	2,520	

Source: Cooperative Strategies

School	Trend
Elizabeth High	
Frontier High	
Elizabeth Middle	
Running Creek Elementary	
Singing Hills Elementary	
Running Creek Preschool	
Singing Hills Preschool	
Total	

PROJECTED ENROLLMENT - HIGH - DISTRICT-WIDE



ENROLLMENT BY SCHOOL

The following pages illustrate historical and projected enrollment by school.

Elizabeth High	34
Frontier High	35
Elizabeth Middle	36
Running Creek Elementary	37
Singing Hills Elementary	38
Running Creek Preschool	39
Singing Hills Preschool	40

ELIZABETH HIGH

Historical Enrollment - Elizabeth High

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
9	262	231	261	235	238	205	195	201	168	195	210	167	198	180	156
10	198	223	206	235	215	218	189	194	205	181	185	198	153	196	184
11	186	180	207	208	199	197	216	171	177	213	199	170	181	143	192
12	178	175	172	188	183	192	186	210	171	189	210	182	169	174	144
Grand Total	824	809	818	866	835	812	786	776	721	778	764	717	701	693	676

Source: Elizabeth School District

Projected Enrollment - Recommended - Elizabeth High

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
9	197	162	172	160	176	179	136	141	161	167
10	155	196	161	171	159	175	178	135	140	160
11	173	146	184	152	161	150	164	167	127	132
12	192	172	145	184	151	161	149	164	167	127
Grand Total	717	676	662	667	647	663	627	607	595	586

Source: Cooperative Strategies

Projected Enrollment - Moderate - Elizabeth High

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
9	184	151	161	149	159	158	123	126	144	152
10	158	186	153	163	151	161	160	134	127	146
11	178	153	180	149	158	147	156	155	120	123
12	192	178	153	180	148	157	146	156	155	120
Grand Total	712	668	647	641	616	623	585	561	546	541

Source: Cooperative Strategies

Projected Enrollment - Low - Elizabeth High

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
9	178	144	150	135	139	134	100	99	112	112
10	156	178	144	150	135	139	134	100	99	112
11	176	149	171	138	144	129	133	128	96	95
12	190	174	148	169	137	142	128	132	126	95
Grand Total	700	645	613	592	555	544	495	459	433	414

Source: Cooperative Strategies

Projected Enrollment - High - Elizabeth High

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
9	189	159	172	165	181	186	149	159	184	204
10	160	194	163	176	169	185	191	153	163	189
11	180	157	190	159	172	165	182	187	150	159
12	194	182	158	192	161	174	167	183	189	151
Grand Total	723	692	683	692	683	710	689	682	686	703

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected by-school enrollment.

FRONTIER HIGH

Historical Enrollment - Frontier High

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
9	13	8	6	9	4	2	8	12	3	4	4	11	19	8	7
10	12	17	13	12	20	9	7	13	19	5	18	11	14	22	10
11	10	15	17	21	9	21	20	19	27	25	13	19	9	18	16
12	17	11	22	18	11	7	24	15	16	27	28	16	12	9	22
Grand Total	52	51	58	60	44	39	59	59	65	61	63	57	54	57	55

Source: Elizabeth School District

Projected Enrollment - Recommended - Frontier High

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
9	9	7	8	7	8	8	6	6	7	7
10	10	13	11	11	10	12	12	9	9	11
11	15	13	16	13	14	13	15	15	11	12
12	25	22	19	24	19	21	19	21	22	16
Grand Total	59	55	54	55	51	54	52	51	49	46

Source: Cooperative Strategies

Projected Enrollment - Moderate - Frontier High

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
9	9	7	8	7	7	7	6	6	7	7
10	10	12	10	11	10	10	10	8	8	9
11	15	13	15	13	14	13	13	13	10	11
12	25	23	20	23	19	20	19	20	20	15
Grand Total	59	55	53	54	50	50	48	47	45	42

Source: Cooperative Strategies

Projected Enrollment - Low - Frontier High

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
9	7	6	6	6	6	6	4	4	5	5
10	9	10	8	8	7	8	7	5	5	6
11	14	12	13	11	11	10	10	10	7	7
12	20	19	16	18	15	15	14	14	14	10
Grand Total	50	47	43	43	39	39	35	33	31	28

Source: Cooperative Strategies

Projected Enrollment - High - Frontier High

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
9	10	8	9	9	9	10	8	8	10	11
10	12	14	12	13	13	14	14	11	12	14
11	17	15	18	15	16	16	17	18	14	15
12	29	27	24	29	24	26	25	27	28	23
Grand Total	68	64	63	66	62	66	64	64	64	63

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected by-school enrollment.

ELIZABETH MIDDLE

Historical Enrollment - Elizabeth Middle

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
6	211	211	175	186	179	155	169	192	140	165	173	124	147	136	132
7	214	199	211	185	184	183	149	162	195	142	189	176	129	157	139
8	211	239	213	218	198	176	198	150	161	189	167	194	161	141	159
Grand Total	636	629	599	586	561	514	516	504	496	496	529	494	437	431	430

Source: Elizabeth School District

Projected Enrollment - Recommended - Elizabeth Middle

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
6	125	138	139	107	104	119	127	148	166	168
7	136	129	142	143	111	107	122	130	152	172
8	142	139	132	145	146	113	109	125	133	156
Grand Total	403	406	413	395	361	339	358	403	451	496

Source: Cooperative Strategies

Projected Enrollment - Moderate - Elizabeth Middle

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
6	125	135	133	106	101	117	123	144	162	164
7	136	129	139	137	110	105	121	127	149	167
8	142	139	132	142	140	112	107	123	130	152
Grand Total	403	403	404	385	351	334	351	394	441	483

Source: Cooperative Strategies

Projected Enrollment - Low - Elizabeth Middle

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
6	121	127	121	94	88	100	100	117	132	133
7	135	124	130	123	96	90	102	102	120	135
8	139	135	124	130	124	97	90	103	103	120
Grand Total	395	386	375	347	308	287	292	322	355	388

Source: Cooperative Strategies

Projected Enrollment - High - Elizabeth Middle

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
6	129	144	146	119	116	136	151	176	195	200
7	137	134	149	152	124	121	141	157	183	206
8	145	143	140	156	159	130	126	147	164	191
Grand Total	411	421	435	427	399	387	418	480	545	597

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected by-school enrollment.

RUNNING CREEK ELEMENTARY

Historical Enrollment - Running Creek Elementary

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
K	74	86	87	82	79	64	63	51	52	52	57	49	45	45	47
1	75	75	84	67	85	70	70	83	48	56	52	60	58	42	43
2	86	82	77	84	71	84	69	61	83	47	53	61	57	59	44
3	95	89	88	86	89	70	83	65	58	63	51	51	66	60	57
4	80	93	92	79	87	91	75	81	69	62	65	55	55	66	66
5	100	86	92	97	85	82	99	75	81	72	63	67	51	62	56
Grand Total	510	516	490	495	496	461	459	386	361	352	341	343	332	334	312

Source: Elizabeth School District

Projected Enrollment - Recommended - Running Creek Elementary

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
K	52	60	68	68	65	65	65	65	65	65
1	45	50	58	65	66	63	63	63	63	63
2	45	47	51	60	68	68	65	65	65	65
3	44	45	47	52	60	68	69	66	66	66
4	61	47	48	50	55	65	73	73	70	70
5	61	57	45	45	48	52	61	69	69	66
Grand Total	308	306	317	340	362	381	396	401	398	395

Source: Cooperative Strategies

Projected Enrollment - Moderate - Running Creek Elementary

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
K	50	59	66	67	64	64	64	64	64	64
1	45	48	56	64	64	61	61	61	61	61
2	45	47	50	59	66	67	64	64	64	64
3	43	44	46	49	58	65	66	63	63	63
4	61	46	47	49	53	62	70	70	67	67
5	59	55	42	42	44	48	56	63	63	60
Grand Total	303	299	307	330	349	367	381	385	382	379

Source: Cooperative Strategies

Projected Enrollment - Low - Running Creek Elementary

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
K	49	57	64	64	62	62	62	62	62	62
1	44	45	53	60	60	58	58	58	58	58
2	44	45	47	55	61	62	59	59	59	59
3	42	43	44	45	53	59	60	57	57	57
4	60	45	45	46	47	55	62	63	60	60
5	55	50	38	38	39	40	47	52	53	51
Grand Total	294	285	291	308	322	336	348	351	349	347

Source: Cooperative Strategies

Projected Enrollment - High - Running Creek Elementary

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
K	52	61	68	69	66	66	66	66	66	66
1	46	51	60	67	68	65	65	65	65	65
2	45	49	54	63	71	71	68	68	68	68
3	44	45	49	54	63	71	72	69	69	69
4	62	48	49	53	59	69	77	78	75	75
5	62	59	46	47	51	56	66	74	75	72
Grand Total	311	313	326	353	378	398	414	420	418	415

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected by-school enrollment.

SINGING HILLS ELEMENTARY

Historical Enrollment - Singing Hills Elementary

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
K	70	63	45	78	67	69	79	62	65	73	67	55	55	48	59
1	54	75	71	56	84	79	58	75	60	59	64	65	62	57	51
2	74	54	85	79	66	86	81	61	75	68	60	63	74	68	57
3	87	80	62	88	87	67	89	82	72	76	70	67	60	82	80
4	86	93	88	62	87	93	67	91	84	65	75	66	71	67	74
5	106	77	97	79	69	88	89	70	90	83	67	79	72	76	71
Grand Total	477	442	448	442	460	482	463	441	446	424	403	395	394	398	392

Source: Elizabeth School District

Projected Enrollment - Recommended - Singing Hills Elementary

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
K	62	72	81	82	78	78	78	78	78	78
1	62	65	76	85	86	82	82	82	82	82
2	53	65	68	79	89	90	86	86	86	86
3	62	58	70	73	86	96	97	93	93	93
4	78	61	56	69	72	84	95	95	91	91
5	79	83	64	60	73	76	89	100	101	97
Grand Total	396	404	415	448	484	506	527	534	531	527

Source: Cooperative Strategies

Projected Enrollment - Moderate - Singing Hills Elementary

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
K	62	72	81	82	78	78	78	78	78	78
1	63	65	76	86	87	83	83	83	83	83
2	52	64	67	78	88	89	85	85	85	85
3	66	60	74	77	90	102	102	98	98	98
4	76	62	57	70	73	85	96	97	93	93
5	79	80	66	61	74	78	91	102	103	99
Grand Total	398	403	421	451	490	515	535	543	540	536

Source: Cooperative Strategies

Projected Enrollment - Low - Singing Hills Elementary

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
K	58	68	76	77	73	73	73	73	73	73
1	62	61	71	80	81	77	77	77	77	77
2	51	62	61	71	80	80	77	77	77	77
3	64	57	70	69	80	90	91	87	87	87
4	72	58	52	63	62	72	81	82	78	78
5	78	76	61	55	67	65	76	86	87	83
Grand Total	385	382	391	415	443	457	475	482	479	475

Source: Cooperative Strategies

Projected Enrollment - High - Singing Hills Elementary

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
K	65	77	86	87	83	83	83	83	83	83
1	63	70	82	92	93	89	89	89	89	89
2	83	66	73	86	96	97	93	93	93	93
3	67	63	78	87	101	114	115	110	110	110
4	79	67	63	78	86	101	113	114	109	109
5	79	85	71	67	83	92	107	121	122	117
Grand Total	406	428	453	497	542	576	600	610	606	601

Source: Cooperative Strategies

The darker shades of blue represent smaller cohorts while the darker shades of red represent larger cohorts in comparison to the historical, and all of the projected by-school enrollment.

RUNNING CREEK PRESCHOOL

Historical Enrollment - Running Creek Preschool

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
PK	24	33	80	92	72	57	82	77	82	83	68	61	66	72	63
Grand Total	24	33	80	92	72	57	82	77	82	83	68	61	66	72	63

Source: Elizabeth School District

Projected Enrollment - Recommended - Running Creek Preschool

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	63	63	63	63	63	63	63	63	63	63
Grand Total	63	63	63	63	63	63	63	63	63	63

Source: Cooperative Strategies

Projected Enrollment - Moderate - Running Creek Preschool

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	63	63	63	63	63	63	63	63	63	63
Grand Total	63	63	63	63	63	63	63	63	63	63

Source: Cooperative Strategies

Projected Enrollment - Low - Running Creek Preschool

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	63	63	63	63	63	63	63	63	63	63
Grand Total	63	63	63	63	63	63	63	63	63	63

Source: Cooperative Strategies

Projected Enrollment - High - Running Creek Preschool

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	63	63	63	63	63	63	63	63	63	63
Grand Total	63	63	63	63	63	63	63	63	63	63

Source: Cooperative Strategies

SINGING HILLS PRESCHOOL

Historical Enrollment - Singing Hills Preschool

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
PK	20	11	20	66	67	65	68	71	51	60	49	55	63	64	78
Grand Total	20	11	20	66	67	65	68	71	51	60	49	55	63	64	78

Source: Elizabeth School District

Projected Enrollment - Recommended - Singing Hills Preschool

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	78	78	78	78	78	78	78	78	78	78
Grand Total	78	78	78	78	78	78	78	78	78	78

Source: Cooperative Strategies

Projected Enrollment - Moderate - Singing Hills Preschool

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	78	78	78	78	78	78	78	78	78	78
Grand Total	78	78	78	78	78	78	78	78	78	78

Source: Cooperative Strategies

Projected Enrollment - Low - Singing Hills Preschool

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	78	78	78	78	78	78	78	78	78	78
Grand Total	78	78	78	78	78	78	78	78	78	78

Source: Cooperative Strategies

Projected Enrollment - High - Singing Hills Preschool

Grade	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
PK	78	78	78	78	78	78	78	78	78	78
Grand Total	78	78	78	78	78	78	78	78	78	78

Source: Cooperative Strategies

CONCLUSION

As with any projection, the District should pay close attention to live birth counts, enrollment in elementary schools, open enrollment, non-public enrollment, in / out migration patterns, and any housing growth. It is recommended that this document be reviewed on an annual basis to determine how more recent growth and enrollment trends will impact the enrollment projections.

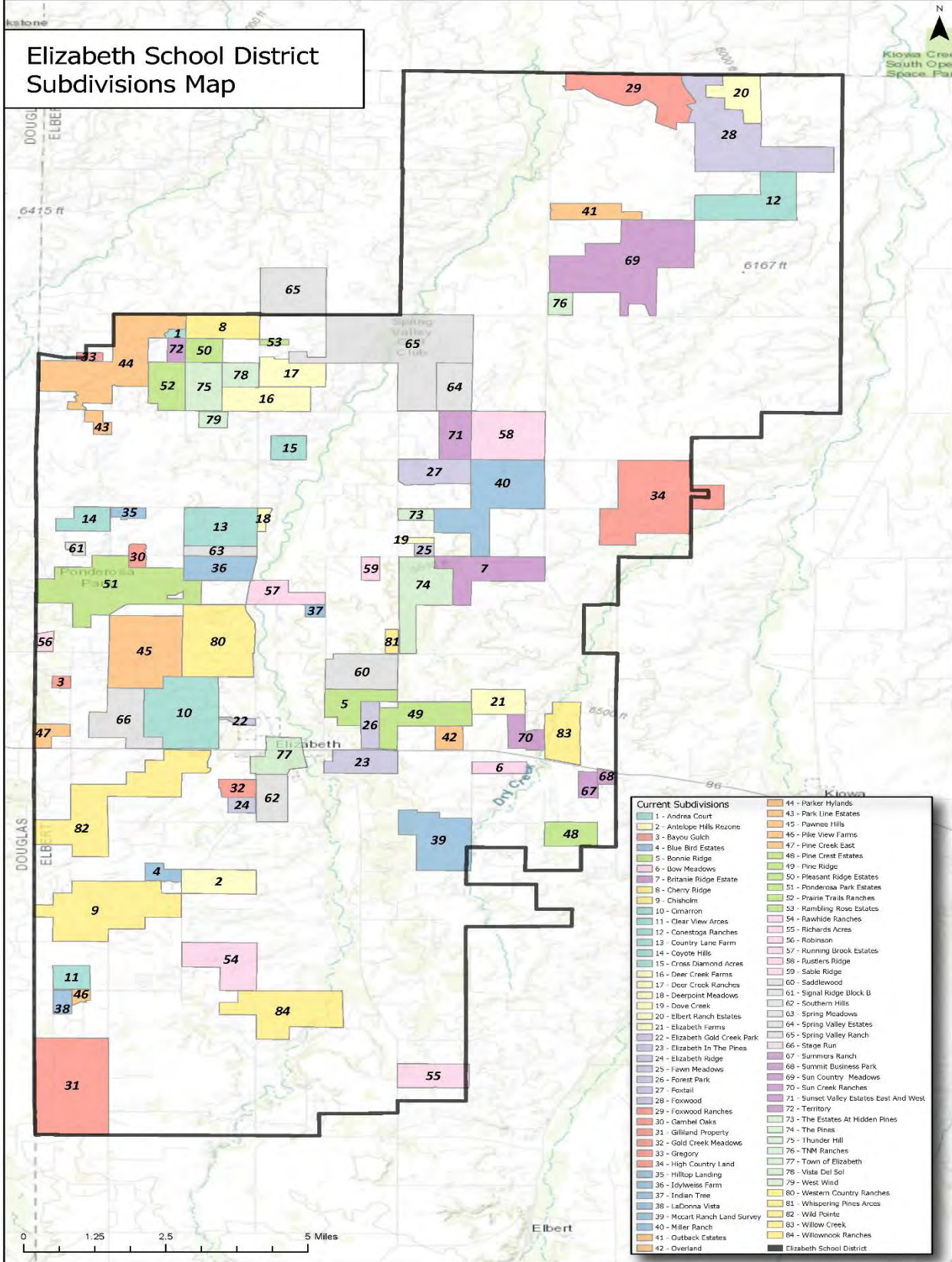
Cooperative Strategies is pleased to have had the opportunity to provide the District with enrollment projection services. We hope this document will provide the necessary information to make informed decisions about the future of the Elizabeth School District.

APPENDIX— BUILD OUT STUDY

The following describes the potential build out scenario of new development in the District. Based on conversations with local developers and County officials, the following information shows the current subdivisions and new developments most likely to occur within the next few years.

The table below and the map on the next page show the current subdivisions.

Subdivision Num	Subdivision Name	Subdivision Num	Subdivision Name
1	Andrea Court	43	Park Line Estates
2	Antelope Hills Rezone	44	Parker Hylands
3	Bayou Gulch	45	Pawnee Hills
4	Blue Bird Estates	46	Pike View Farms
5	Bonnie Ridge	47	Pine Creek East
6	Bow Meadows	48	Pine Crest Estates
7	Britanie Ridge Estate	49	Pine Ridge
8	Cherry Ridge	50	Pleasant Ridge Estates
9	Chisholm	51	Ponderosa Park Estates
10	Cimarron	52	Prairie Trails Ranches
11	Clear View Arces	53	Rambling Rose Estates
12	Conestoga Ranches	54	Rawhide Ranches
13	Country Lane Farm	55	Richards Acres
14	Coyote Hills	56	Robinson
15	Cross Diamond Acres	57	Running Brook Estates
16	Deer Creek Farms	58	Rustlers Ridge
17	Deer Creek Ranches	59	Sable Ridge
18	Deerpoint Meadows	60	Saddlewood
19	Dove Creek	61	Signal Ridge Block B
20	Elbert Ranch Estates	62	Southern Hills
21	Elizabeth Farms	63	Spring Meadows
22	Elizabeth Gold Creek Park	64	Spring Valley Estates
23	Elizabeth In The Pines	65	Spring Valley Ranch
24	Elizabeth Ridge	67	Stage Run
25	Fawn Meadows	68	Summers Ranch
26	Forest Park	69	Summit Business Park
27	Foxtail	70	Sun Country Meadows
28	Foxwood	71	Sun Creek Ranches
29	Foxwood Ranches	72	Sunset Valley Estates East And West
30	Gambel Oaks	73	Territory
31	Gilliland Property	74	The Estates At Hidden Pines
32	Gold Creek Meadows	75	The Pines
33	Gregory	76	Thunder Hill
34	High Country Land	77	TNM Ranches
35	Hilltop Landing	78	Town of Elizabeth
36	Idylweiss Farm	79	Vista Del Sol
37	Indian Tree	80	West Wind
38	LaDonna Vista	81	Western Country Ranches
39	McCart Ranch Land Survey	82	Whispering Pines Arces
40	Miller Ranch	83	Wild Pointe
41	Outback Estates	84	Willow Creek
42	Overland	85	Willowhook Ranches



APPENDIX—SUBDIVISION ANALYSIS

The table below shows the number of K-12 students residing within, the number of single family units, and the calculated K-12 yield for each subdivision in the District. The K-12 yield is simply calculated by taking the number of students living in a subdivision and dividing it by the total number of units for that subdivision. The average K-12 yield for the District is 0.27 students per unit. The K-12 enrollment data reflects the October count provided by the District and the housing unit information is from December 8th, 2018 provided by Elbert County.

Subdivision Num	Subdivision Name	K-12 Students	Units	K-12 Yield	Subdivision Num	Subdivision Name	K-12 Students	Units	K-12 Yield
1	Andrea Court	1	7	0.143	43	Park Line Estates	7	31	0.226
2	Antelope Hills Rezone	0	8	0.000	44	Parker Hylands	62	208	0.298
3	Bayou Gulch	0	8	0.000	45	Pawnee Hills	49	203	0.241
4	Blue Bird Estates	0	6	0.000	46	Pike View Farms	9	15	0.600
5	Bonnie Ridge	2	44	0.045	47	Pine Creek East	2	18	0.111
6	Bow Meadows	10	47	0.213	48	Pine Crest Estates	2	43	0.047
7	Brianne Ridge Estate	26	72	0.361	49	Pine Ridge	48	145	0.331
8	Cherry Ridge	21	78	0.269	50	Pleasant Ridge Estates	15	32	0.469
9	Chisholm	22	100	0.220	51	Ponderosa Park Estates	139	355	0.361
10	Cimarron	73	139	0.525	52	Prairie Trails Ranches	16	56	0.286
11	Clear View Arces	9	27	0.333	53	Rambling Rose Estates	2	8	0.250
12	Comestoga Ranches	4	19	0.211	54	Rawhide Ranches	3	15	0.067
13	Country Lane Farm	2	13	0.154	55	Richards Acres	4	6	0.667
14	Coyote Hills	6	41	0.146	56	Robinson	0	9	0.000
15	Cross Diamond Acres	8	26	0.308	57	Running Brook Estates	14	67	0.209
16	Deer Creek Farms	81	242	0.335	58	Rustlers Ridge	7	19	0.368
17	Deer Creek Ranches	19	46	0.413	59	Sable Ridge	10	36	0.278
18	Deerpoint Meadows	1	6	0.167	60	Saddlewood	51	146	0.349
19	Dove Creek	0	6	0.000	61	Signal Ridge Block B	0	9	0.000
20	Elbert Ranch Estates	0	16	0.000	62	Southern Hills	6	44	0.136
21	Elizabeth Farms	11	28	0.393	63	Spring Meadows	1	6	0.167
22	Elizabeth Gold Creek Park	0	9	0.000	64	Spring Valley Estates	0	10	0.000
23	Elizabeth In The Pines	27	87	0.310	65	Spring Valley Ranch	38	123	0.315
24	Elizabeth Ridge	2	13	0.154	66	Stage Run	12	104	0.115
25	Fawn Meadows	0	8	0.000	67	Summers Ranch	0	9	0.000
26	Forest Park	17	73	0.233	68	Summit Business Park	0	9	0.000
27	Foxtail	6	8	0.750	69	Sun Country Meadows	181	462	0.392
28	Foxwood	5	19	0.263	70	Sun Creek Ranches	7	34	0.206
29	Foxwood Ranches	1	23	0.043	71	Sunset Valley Estates East And West	3	16	0.188
30	Gambel Oaks	31	96	0.323	72	Territory	3	31	0.097
31	Galliland Property	5	32	0.156	73	The Estates At Hidden Pines	9	18	0.500
32	Gold Creek Meadows	0	32	0.000	74	The Pines	15	125	0.120
33	Gregory	2	9	0.222	75	Thunder Hill	23	76	0.303
34	High Country Land	7	32	0.219	76	TNM Ranches	0	11	0.000
35	Hilltop Landing	10	33	0.303	77	Town of Elizabeth	223	637	0.350
36	Idylwiness Farm	4	13	0.308	78	Vista Del Sol	12	29	0.414
37	Indian Tree	1	11	0.091	79	West Wind	1	11	0.091
38	LaDonna Vista	1	19	0.053	80	Western Country Ranches	84	145	0.372
39	Mccart Ranch Land Survey	0	9	0.000	81	Whispering Pines Acres	0	10	0.000
40	Miller Ranch	1	40	0.025	82	Wild Pointe	44	211	0.209
41	Outback Estates	12	32	0.375	83	Willow Creek	15	47	0.319
42	Overland	68	114	0.596	84	Willowbrook Ranches	6	20	0.300

APPENDIX— NEW DEVELOPMENT INFORMATION

The tables below summarize information about known new developments in the District. The timeline illustrates the potential number of new students expected from each new development over the next 12 years, when they are expected to be fully built out. We have chosen to apply a student yield of 0.356 to these new developments. This number is based on an average of three similar subdivisions in the district in lot size, age, and number of units. These subdivisions were Ponderosa Park Estates, Spring Valley Ranch (*portion already built*), and Sun Country Meadows.

More maps and information can be found in the appendix to this report.

NOTE - We have included some information about a large development on the western edge of the Town of Elizabeth. Based on conversations with the developer, this project is in a theoretical phase and will still require annexation and rezoning. For this reason, we have included information about this development but have not included it in the timeline for potential students.

New Development Information

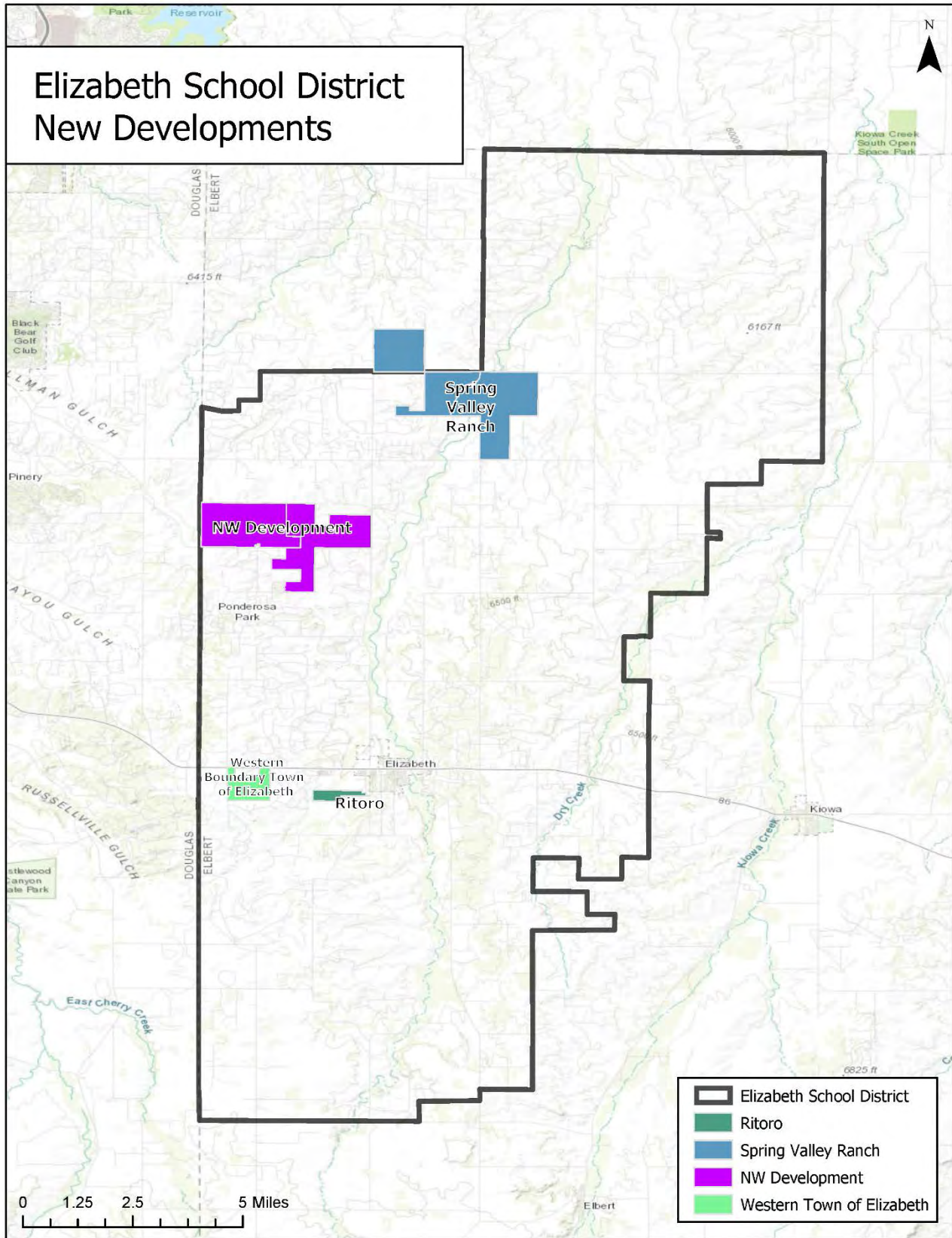
Development Name	Elementary Boundary	Total Units or Additional	Est. Construction Year	Units Sold per Year	Student Yield	Total Student Potential (At Build Out)
Spring Valley Ranch	Singing Hills ES	750	2018	90	0.356	267
Ritiro	Running Creek ES	340	2018	80	0.356	121
NW Development	Singing Hills ES	920	2020	100	0.356	328
***Western Boundary Town of Elizabeth						
	Running Creek ES	1000	Unknown	100	0.356	356

Timeline of Potential Students per Year

Development Name	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Spring Valley Ranch	32	32	32	32	32	32	32	32	11	0	0	0
Ritiro	28	28	28	28	7	0	0	0	0	0	0	0
NW Development	0	0	36	36	36	36	36	36	36	36	36	7

It should be noted that the student potential from planned development may include existing Elizabeth School District students.

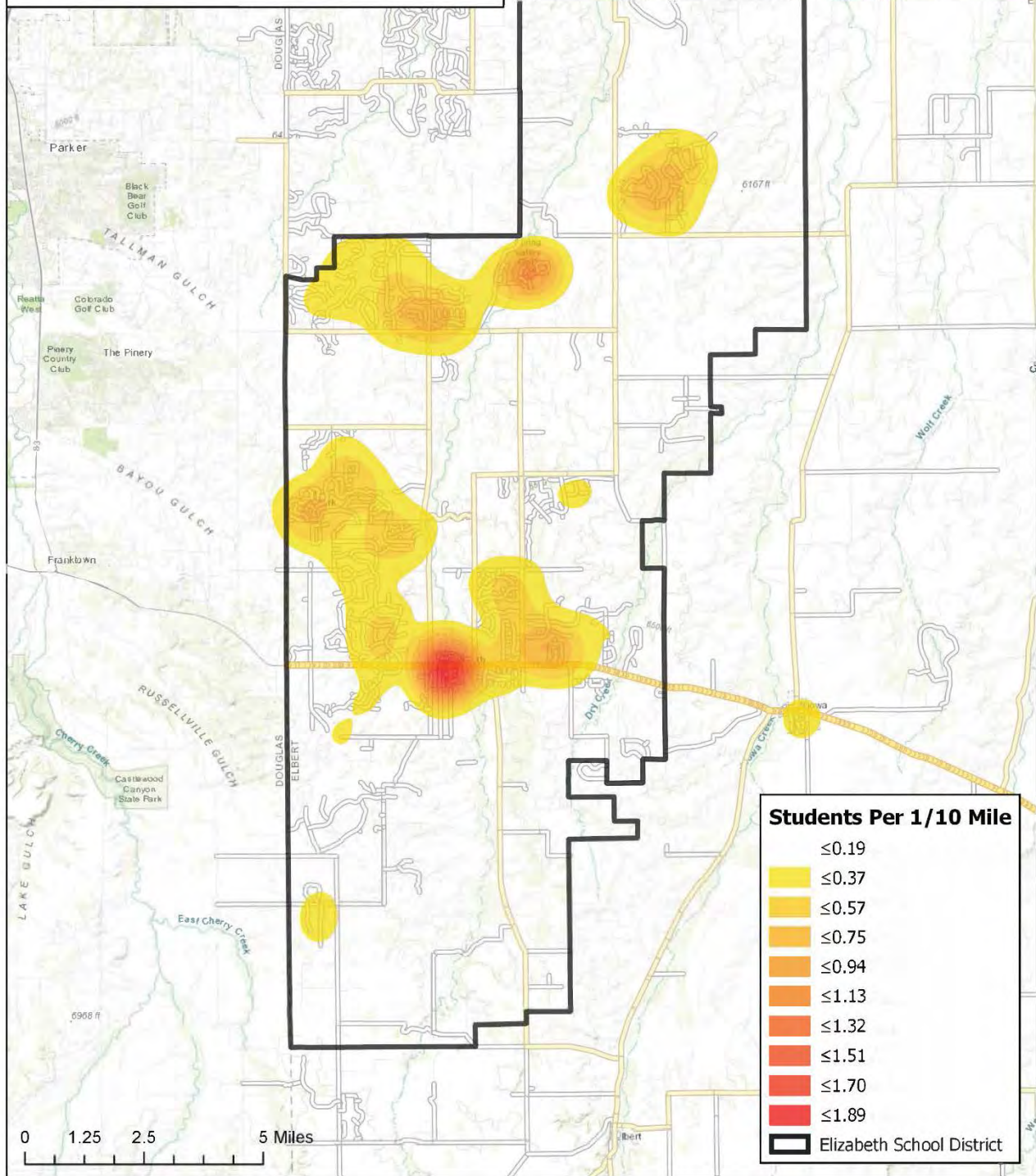
Elizabeth School District New Developments



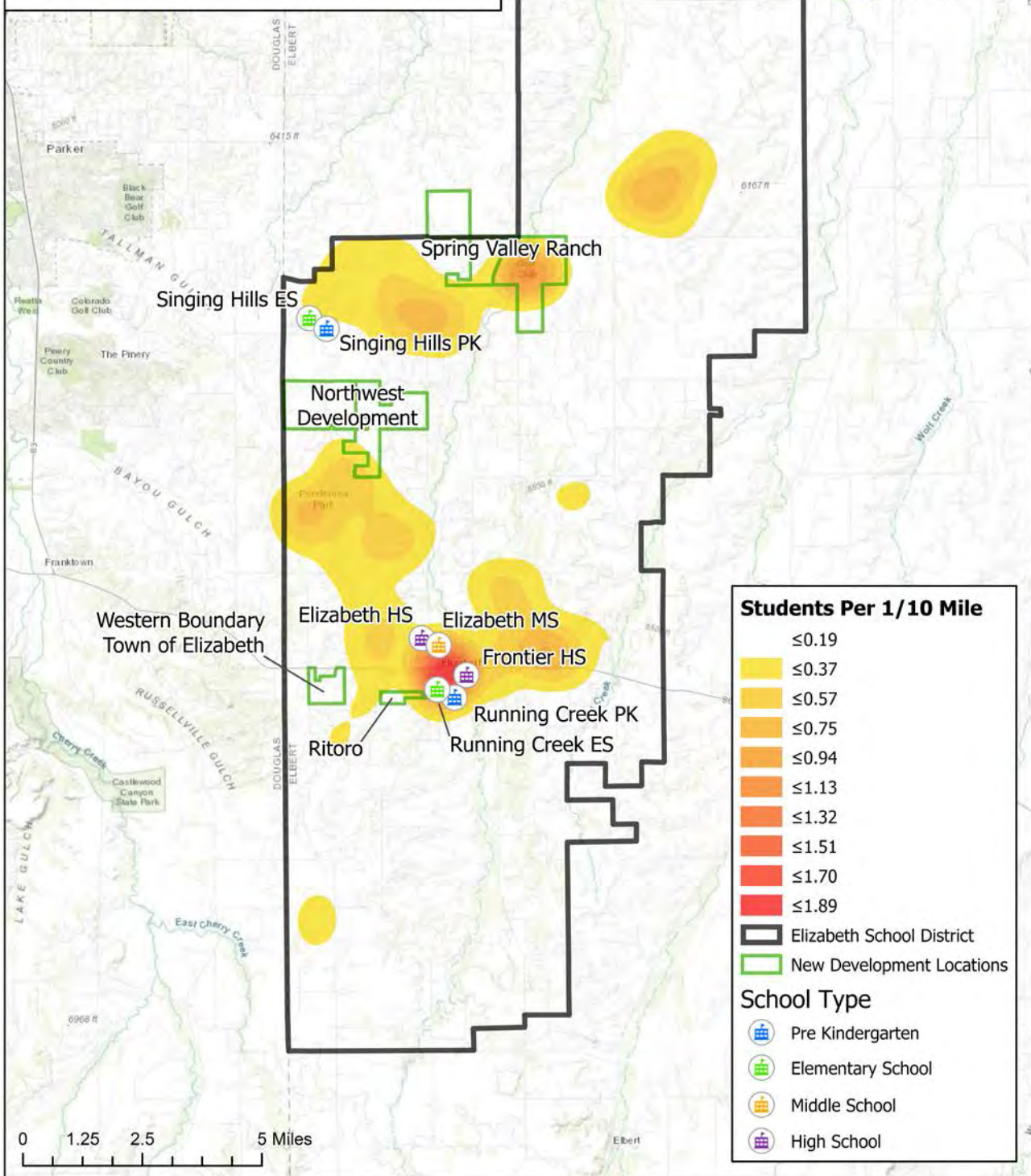
APPENDIX—STUDENT DENSITY MAPS

The following map shows the density of the 2017-18 student enrollment in the Elizabeth School District.

Elizabeth School District Student Density 2017-18



Elizabeth School District Student Density 2017-18



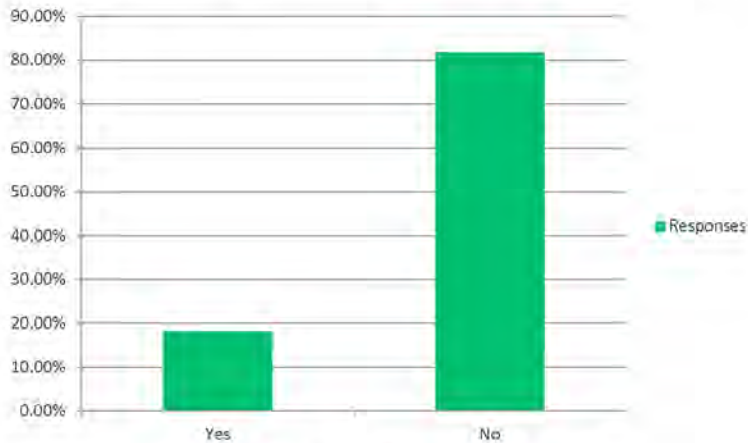
APPENDIX B: COMMUNITY MEETING & ONLINE QUESTIONNAIRE RESULTS

Elizabeth School District Community Survey

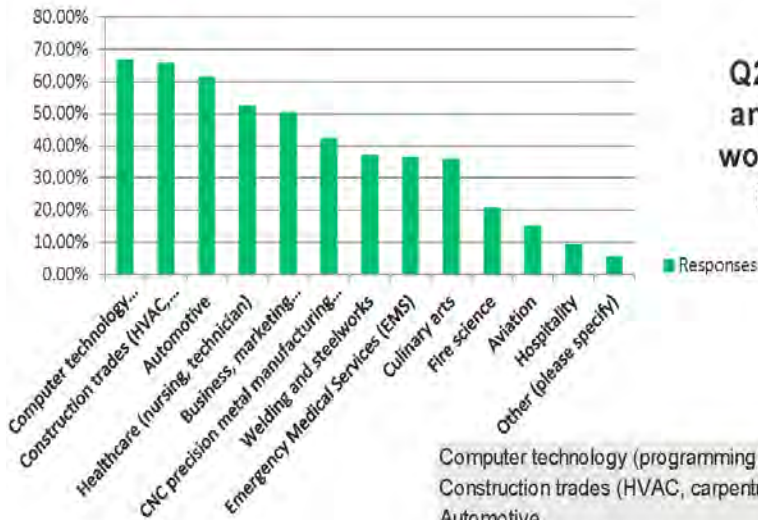
243 Responses

Monday, March 26, 2018

Q1: Did you attend the Community meetings in February 2018?

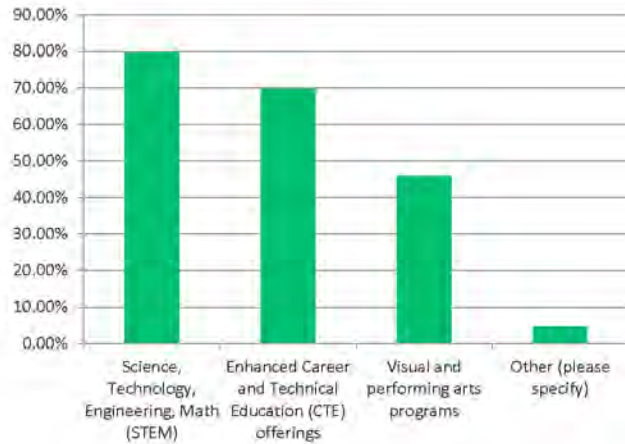


Yes 18.18%
No 81.82%



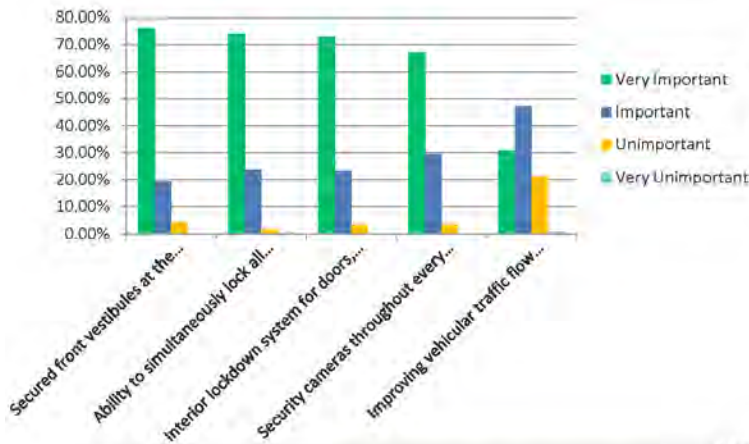
Q2: Which 5 existing, or possible, career and technical education (CTE) programs would you like to see continued or offered in the District? Please select up to 5.

Computer technology (programming / coding)	66.67%
Construction trades (HVAC, carpentry, electrical, plumbing, mechanical)	65.80%
Automotive	61.47%
Healthcare (nursing, technician)	52.38%
Business, marketing entrepreneurship	50.65%
CNC precision metal manufacturing & robotics	42.42%
Computer engineering (robotics)	42.42%
Welding and steelworks	37.23%
Emergency Medical Services (EMS)	36.36%
Culinary arts	35.93%
Fire science	20.78%
Aviation	15.15%
Hospitality	9.52%
Other (please specify)	5.63%



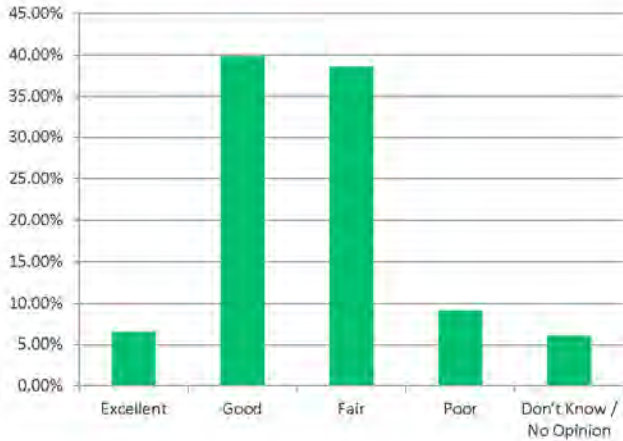
Q3: Of the following elective programs, which 2 do you most strongly support reinforcing at the school district? Please select only 2.

Science, Technology, Engineering, Math (STEM)	79.65%
Enhanced Career and Technical Education (CTE) offerings	69.70%
Visual and performing arts programs	45.89%
Other (please specify)	4.76%



Q4: Please select the degree to which each of the following are important security measures at district schools.

	Very Important	Important	Unimportant	Very Unimportant
Secured front vestibules at the entrance of each school building	76.19%	19.48%	4.33%	0.00%
Ability to simultaneously lock all exterior doors electronically	74.03%	23.81%	1.73%	0.43%
Interior lockdown system for doors, classroom wings, and ancillary spaces of buildings	73.16%	23.38%	3.46%	0.00%
Security cameras throughout every facility	67.10%	29.44%	3.46%	0.00%
Improving vehicular traffic flow patterns and pedestrian walk zones in front of schools	30.74%	47.19%	21.21%	0.87%



Q5: How do you feel about the level of security in the school district overall?

■ Responses

Excellent	6.49%
Good	39.83%
Fair	38.53%
Poor	9.09%
Don't Know / No Opinion	6.06%

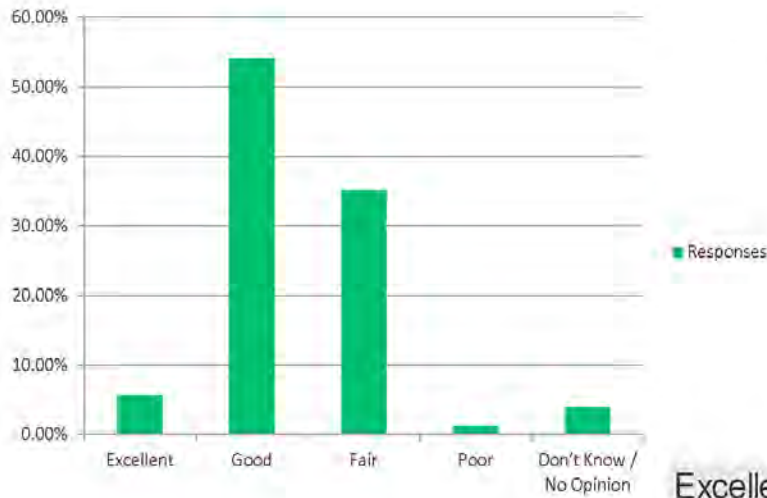


Q6: Which of the following concepts do you think the school district needs to continue to provide now or in the future? Please select all you believe are the most important.

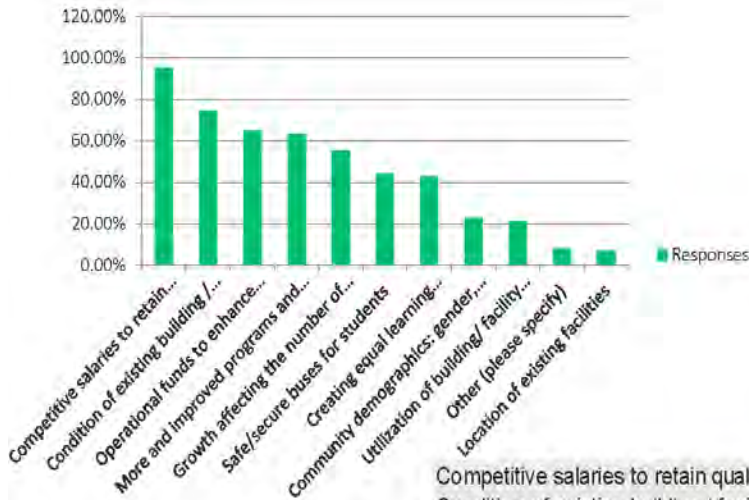
■ Responses

Competitive Salaries for teachers	90.48%
Athletic / recreation facilities (stadiums, ball fields, soccer fields, track, swimming, pool, etc.)	72.29%
Library / media center	60.17%
Computer labs	59.74%
Art classroom(s)	56.71%
New safe/secure buses	54.11%
Gymnasiums at all school facilities	53.25%
Cafeteria	52.81%
High bay vocational education programs (automotive for example)	52.81%
Band classroom	50.22%
Operational funds to enhance programs and offerings	48.92%
Elementary school multi purpose space (cafeteria / gymnasium / stage)	48.05%
Food preparation: full service kitchen	44.59%
Dedicated Career and Technical Education learning space	43.29%
Auxiliary gymnasiums (secondary practice space such as wrestling, weight rooms, gymnastics etc.)	42.86%
Low bay vocational education programs (business for example)	35.93%
Science labs	32.47%
Dedicated auditoriums	23.81%
Food preparation: warming kitchen	15.15%
Conference rooms	12.55%
Lecture halls	6.06%
Other (please specify)	6.06%

Q7: What is your perception of student achievement in the District?

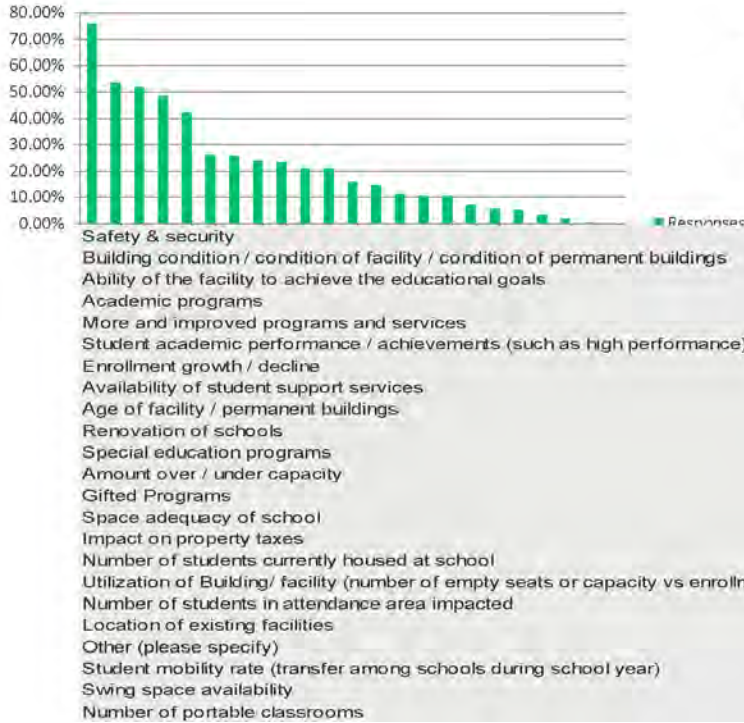


Excellent	5.63%
Good	54.11%
Fair	35.06%
Poor	1.30%
Don't Know / No Opinion	3.90%

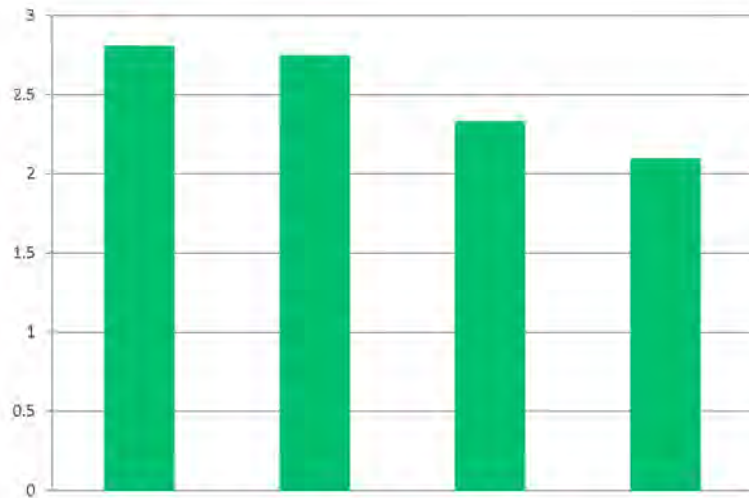


Q8: What should the most important school district drivers be when making decisions related to planning for the future? Please select only 5.

Competitive salaries to retain quality teachers	95.24%
Condition of existing building / facility	74.46%
Operational funds to enhance district programs and offerings	64.94%
More and improved programs and services	63.64%
Growth affecting the number of students at each school	55.41%
Safe/secure buses for students	44.16%
Creating equal learning opportunities for all students	42.86%
Community demographics: gender, poverty, ethnicity, etc.	22.94%
Utilization of building/ facility (number of empty seats or capacity vs. enrollment)	21.21%
Other (please specify)	8.23%
Location of existing facilities	6.93%

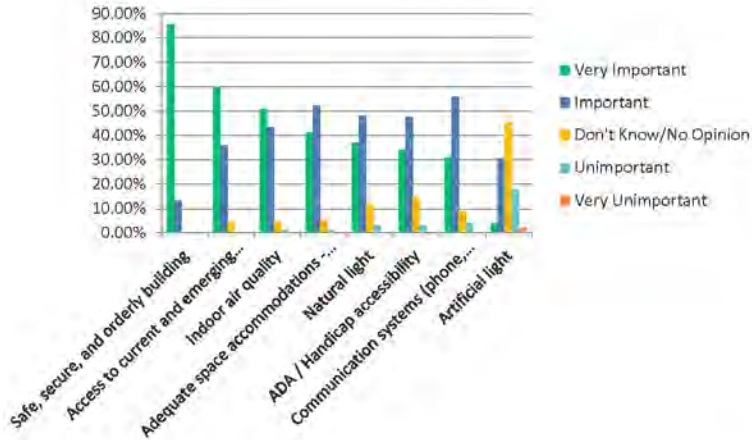


Q9: Pick your top 5 criteria for determining the priority in which schools are addressed. (For example: modernized, replaced, built new, etc.)



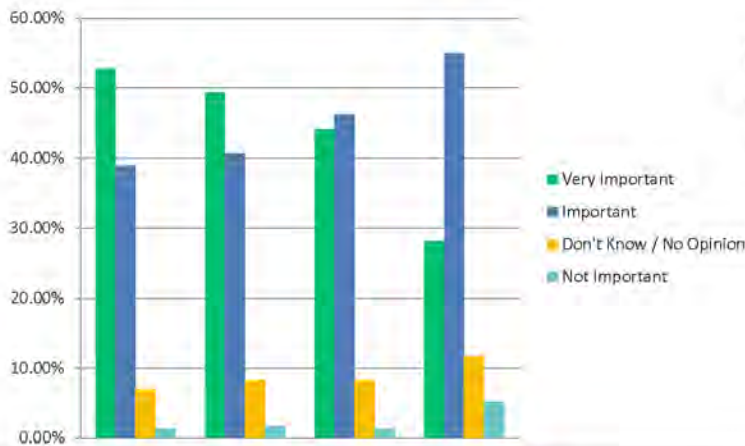
Q10: Rank the following in order of importance. Use each ranking only ONCE. (Most Important =1, Least Important=4)

	1	2	3	4	Score
Upgrade / expand instructional technology such as computer hardware & network infrastructure (servers, cabling, switches, etc.)	30.49%	30.94%	27.80%	10.76%	2.81
Renovate 1 or more existing facilities to improve infrastructure and potentially create auxiliary spaces such as: multipurpose rooms, gyms, playgrounds, auditoriums	29.28%	31.53%	23.87%	15.32%	2.75
Create a dedicated Career and Technical Educational learning space	20.88%	22.67%	25.33%	31.11%	2.33
Replace 1 or more dated schools with new facilities	18.75%	15.63%	22.77%	42.86%	2.1



Q11: Building Qualities:
Please select the degree to which each of the following are important in planning District Schools.

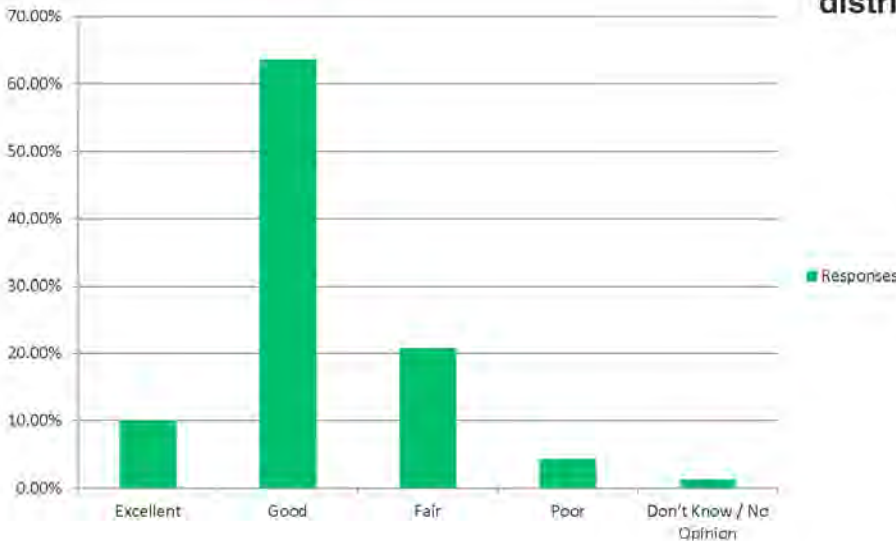
	Very Important	Important	Don't Know/No Opinion	Unimportant	Very Unimportant
Safe, secure, and orderly building	85.71%	13.42%	0.43%	0.43%	0.00%
Access to current and emerging technology	59.74%	35.93%	4.33%	0.00%	0.00%
Indoor air quality	51.08%	43.29%	4.33%	1.30%	0.00%
Adequate space accommodations - classrooms for all instructional areas, appropriate support spaces, etc.	41.13%	52.38%	5.19%	1.30%	0.00%
Natural light	36.80%	48.05%	12.12%	3.03%	0.00%
ADA / Handicap accessibility	34.20%	47.62%	14.72%	3.03%	0.43%
Communication systems (phone, PA, internet)	31.17%	55.84%	9.09%	3.90%	0.00%
Artificial light	3.90%	30.74%	45.45%	17.75%	2.16%



Q12: Please select the degree to which each of the following are important in planning of District Schools.

	Very Important	Important	Don't Know / No Opinion	Not Important
Enhance program offerings such as Career and Technical Education or other educational pathways	52.81%	38.96%	6.93%	1.30%
Upgrade / expand instructional technology such as computer hardware & network infrastructure (servers, cabling, switches, etc.)	49.35%	40.69%	8.23%	1.73%
Creating 21st Century learning environments	44.16%	46.32%	8.23%	1.30%
Renovation of existing permanent buildings	28.14%	54.98%	11.69%	5.19%

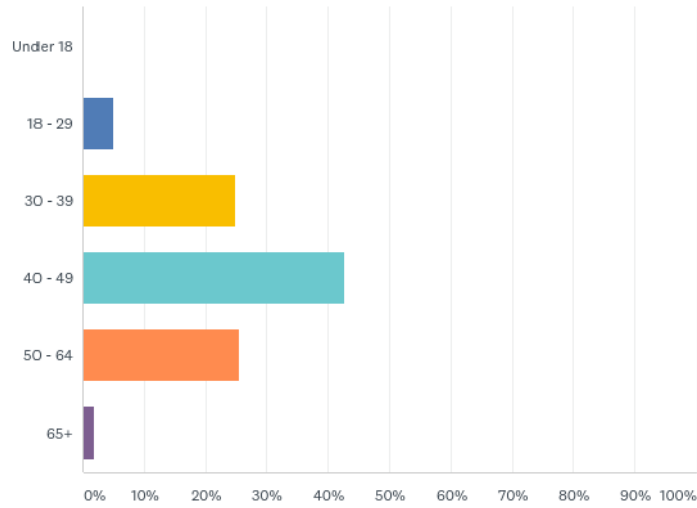
Q13: What is your level of satisfaction with the school district overall?



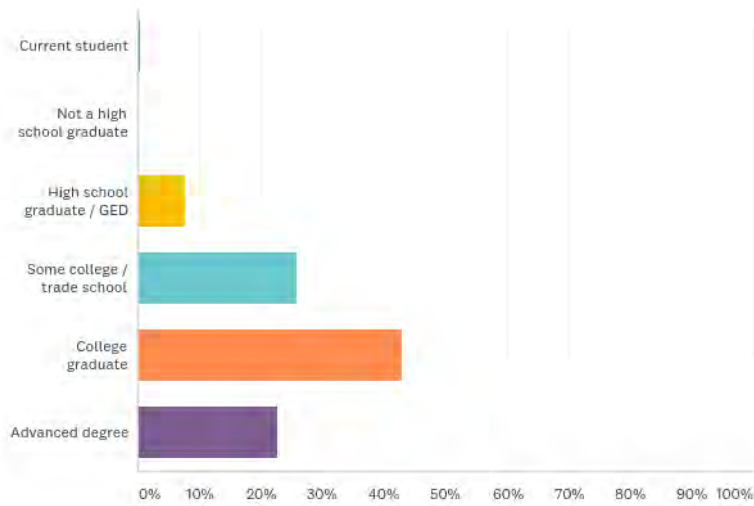
Other themed items noted in surveys

- Stronger support services for mental health
- Right sizing facilities for student locations and density
- Playground at Running Creek Elementary
- Better traffic patterns at most schools
- Better safety and security measures at all schools
- Better pay and professional development to retain quality teachers
- Better daily upkeep and maintenance of facilities
- Athletic facility expansions
- Appropriate class sizes (student/teacher ratio)
- Air conditioning at all schools
- Academic offerings or advanced coursework beyond basic curriculum
- A swimming pool at the high school or one of the facilities.

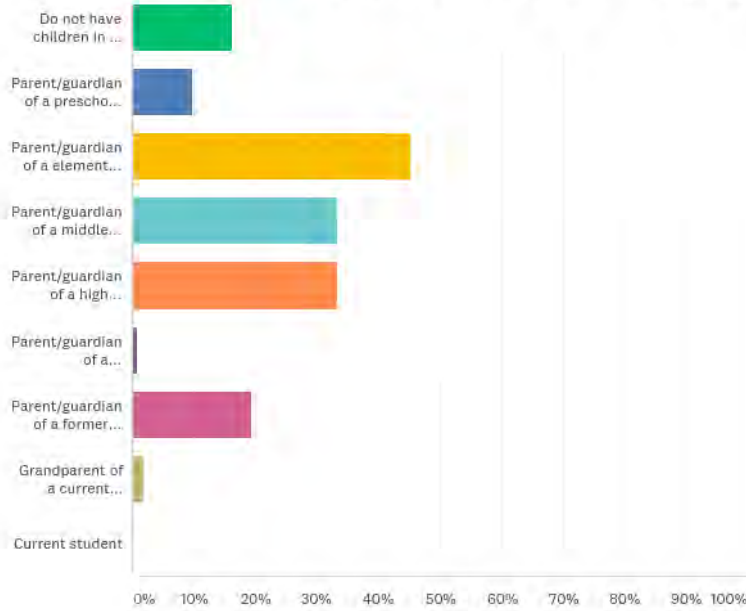
Q15: Your Age



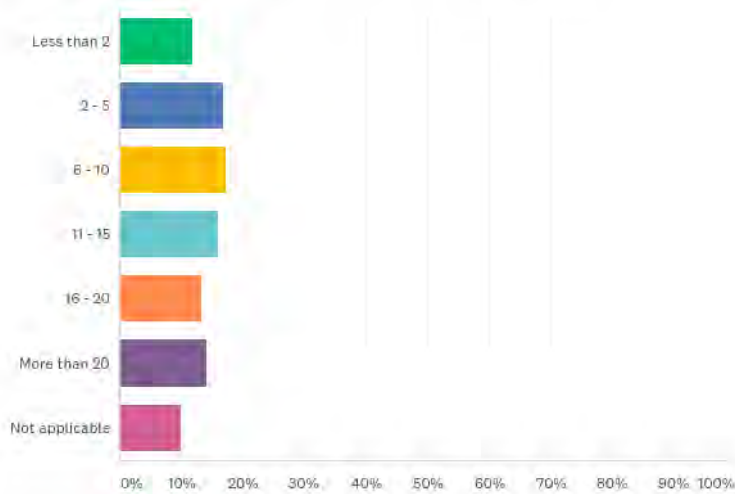
Q16: Education



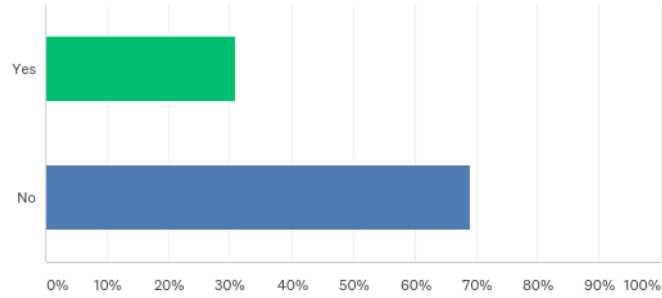
Q17: Parental/Guardian/Student status (check all that apply)



Q18: How many years have you lived in the District?



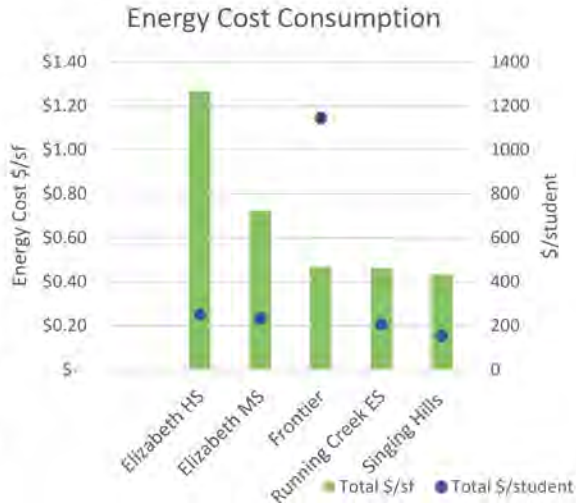
Q19: Are you an employee or retiree of the District?



APPENDIX C: ENERGY ANALYSIS

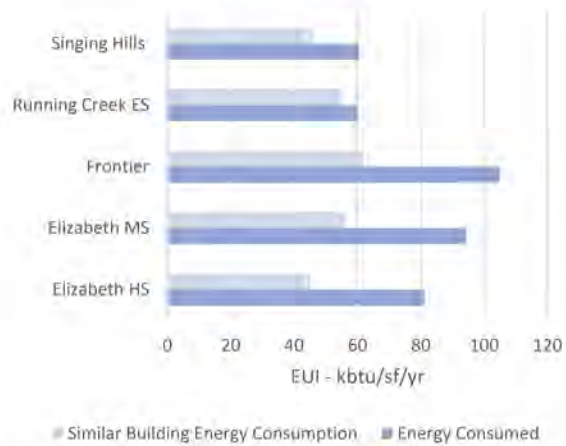
**Elizabeth School District
Energy Summary**

Existing Consumption



Total Cost: The information above indicates the actual money spent on utility costs in 2016-2017 billing cycle.

Energy Consumption



Energy Consumption: The dark blue line on the bar chart above highlights the actual energy consumed (both gas and electricity) of each of the school buildings for the 2016-2017 billing cycle. The lighter blue line is the energy average energy consumed by a similar school building, built in the same ASHRAE climate zone, and built in the same era.

Energy Savings Opportunities

List of Energy Savings Measures

Elizabeth High

- Mechanical & Controls Upgrade
- Lighting Upgrade to LEDs

Elizabeth Middle School

- Windows Replacement
- Replace constant volume mechanical units
- Lighting upgrade to LEDs
- Insulate metal wall panels in gym (currently uninsulated)

Frontier High School

- Exterior Window Upgrade
- Upgrade of additional RTUs & Controls
- Lighting Upgrade to LEDs

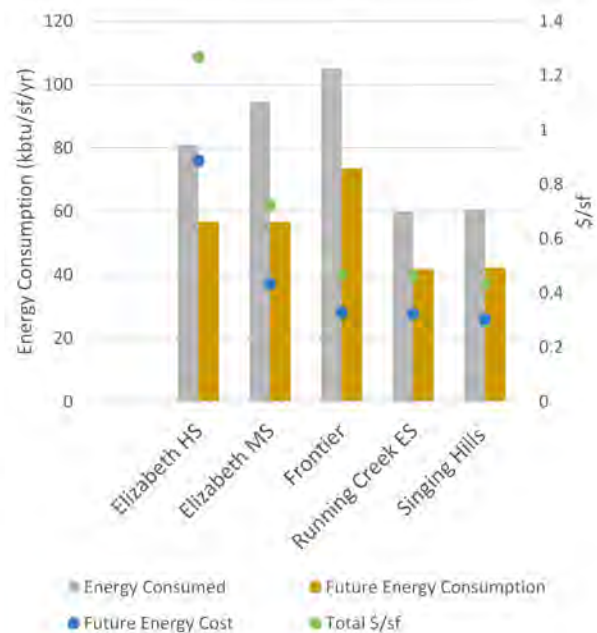
Running Creek Elementary

- Upgrade FCU system (and chiller) & Controls
- Lighting Upgrade to LEDs

Singing Hills Elementary

- Updating Terminal Units
- Lighting Upgrade to LEDs

Estimated Energy Consumption



APPENDIX D: ED. ADEQUACY ASSESSMENTS & PRINCIPAL INTERVIEWS



MEMORANDUM

To: Attendees
From: Shannon Newberry | SN
Date: October 19, 2017
Comm. No: 175024

Subject: Elizabeth School District C-1
Elizabeth High School Educational Adequacy Discussion
October 2, 2017 Meeting Minutes

Attendees:

Bret McClendon, Elizabeth High School	bmcclendon@esdk12.org
Job Gutierrez, Wold Architects and Engineers	kgutierrez@woldae.com
Aimee LaLone, Wold Architects and Engineers	alalaone@woldae.com
Shannon Newberry, Wold Architects and Engineers	snewberry@woldae.com

Discussion Topics:

- A. Introductions:
 - 1. This meeting is being held to in order to better understand the educational adequacy of the existing facility and how well it is functioning to serve the needs of the school.
- B. Overview of School:
 - 1. Elizabeth HS community.
 - a. Small community feel, within a large District.
 - b. An eclectic mix of long-time local residents, ranchers, and transplants who enjoy living in a rural setting.
 - 2. College preparation:
 - a. Test scores are good, however only about 50% of their graduates attend college, including two and four year programs. Efforts are being made to encourage more students to pursue higher education.
 - 3. Diversity:
 - a. 10% of population non-Caucasian.
 - b. Low percentage of students on free reduced lunch.
 - 4. Housing/Population:
 - a. There is not a lot of entry-level housing currently available within the District.
 - b. The area is experiencing a significant amount of new housing construction. Population growth is expected.
 - c. Enrollment is currently around 700.
 - d. 10-15 years ago, school enrollment was close to 850 students.

Wold Architects and Engineers
1553 Platte Street, Suite 201
Denver, CO 80202
woldae.com | 303 928 8800

**PLANNERS
ARCHITECTS
ENGINEERS**



MEMORANDUM

Page 2 of 5

5. Community Use
 - a. School used by outside organizations two to three nights a week. Organizations include: Boy Scouts, Girl Scouts, Elizabeth Community Foundation, band camp, booster club.
 - b. There are smaller community-use facilities in the area, but the high school is the main hub for large community events.
 - c. School does not have an auditorium, but they do have a cafetorium.
 - 1) Seating within cafetorium has proven to be an issue. There is a tiered floor for audience viewing, but this is challenging for lunch table arrangements. Additional chairs have to be brought in to accommodate programs.
 - 2) Space has to be flipped (café tables moved out to Hallway and chairs moved in, vice versa) often in order to function properly.
 - 3) An auditorium would suit the needs of the school much more efficiently. Need space for 800. 400-500 can fit in cafetorium.
- C. How well do the facilities support school programs and mission?
 1. Safety and Security:
 - a. The main entry doors are left unlocked throughout the day. There is no video-phone to screen visitors before entering the building.
 - b. People tend to prop exterior doors open in the athletic wing, but school does have a security system that alerts them if doors are propped open for more than two minutes.
 - c. Juniors and seniors are allowed to leave campus at open hours and for lunch.
 - d. Camera footage is supervised all day by front office staff.
 - e. The building is lacking security cameras in certain areas, primarily the backside of the facility.
 2. Site Safety:
 - a. Amount of Student/Staff parking is adequate.
 - b. Picking up and dropping off is problematic. The drive is not built for three (3) lanes, but parents tend to form a three-lane drop-off system, which is a safety concern.
 - c. SPED bus drop off/pick up is at the front of the school.
 - d. Not enough space in parking lot when SPED buses are present and during parent pick up/drop off.
 - e. A wider lane would help alleviate issues.
 3. Access:
 - a. The school is easy to navigate.
 - b. Some sections of the school may have ADA accessibility issues. For instance, the North end does not have handicap doors and neither does the brickyard.
 - c. The multi-level cafetorium creates accessibility issues. It technically meets ADA but accessible areas are limited.
 4. Wayfinding/Signage:
 - a. Additional signage was added last year to address wayfinding issues.



MEMORANDUM

Page 3 of 5

5. Classrooms:
 - a. Classroom size and storage is adequate. Most classes can accommodate 30-32 students. 26-28 is common size. 24 would be ideal.
 - b. Teachers have additional room in the "Teaching Pods."
 - c. Lab/science classes tend to have more students than is ideal, but the school has accommodated this.
6. Specials:
 - a. Science Classrooms:
 - 1) Classrooms are adequate size and flexible with plenty of spatial options.
 - b. Foods Room:
 - 1) Space functions adequately and the ventilation appears adequate.
 - 2) Three different foods classes utilize the classroom space.
 - 3) Class size maximum size 24 for equipment available.
 - 4) Some equipment is becoming outdated.
 - c. Computer Lab:
 - 1) Contains approximately 28 computers.
 - 2) Furnishings not fixed. Machines are on top of tables.
 - 3) Space gets crowded often.
 - 4) Lab is used for specific classes. General computer access is in the library. The school is not a 1:1 facility.
 - d. Technology:
 - 1) The school does not have a hands-on industrial tech lab. The principal believes this would be popular and a well used facility if they had it.
 - 2) Students could be better served if trade skills were offered.
 - e. Art:
 - 1) There is a ceramics classroom, and a 2D classroom, with storage in between.
 - 2) Both classrooms are spacious.
 - 3) 2D classroom is occupied six (6) to eight (8) class periods every day.
 - f. Music:
 - 1) Current set up is adequate.
 - 2) More instrument storage is needed.
 - g. There is currently no designated space for a wrestling room, auditorium, or industrial tech.
 - h. Drama:
 - 1) Dressing rooms and the set shop are small.
 - 2) Drama program is popular and expanding and could benefit from more room.
 - i. Main Gym:
 - 1) Includes a full game court with bleachers and smaller court without.
 - 2) The main gym is not sub-dividable.
 - 3) The smaller gym is separated from the main gym by a screen (operable wall or drop-down curtain?).
 - 4) No space for wrestling and mats. Mats are stored in hallways.



MEMORANDUM

Page 4 of 5

- 5) No space for inclement weather practice. There are often schedule challenges in the gyms.
- 6) Ceremonies, such as graduation are held in the stadium. The gymnasium is the current back-up venue, which would greatly reduce seating capacity.
- j. Weight Room:
 - 1) Used every single period of the day.
 - 2) More multi-use equipment is desired.
- k. TV/Audio:
 - 1) TV/video has sound booth.
 - 2) Popular program, started last year. 16-24 students a block.
 - 3) Program is expanding.
7. SPED:
 - a. School has a mild to moderate room, and a severe room
 - b. Severe room is very limited in space, especially with a growing SPED population.
 - c. Library is sometimes used as an overflow space by the Speech Specialists.
 - d. There is not a designated space for OT/PT.
8. Library:
 - a. Library contains student accessible computers, printers and books/stacks.
 - b. Five to six HP laptops, students can also check out a Chromebook.
 - c. School currently has 60 Chromebooks.
 - d. Space is mainly used as a study hall, teachers sometimes use the library for their classes.
9. Administration:
 - a. Copy center primarily used by office staff.
 - b. Lacking storage space for office supplies (?).
10. Building Environment:
 - a. All but a few classrooms have exterior windows, natural light is good.
 - b. Experiencing no issues with cell service or PA system.
 - c. Power distribution and lighting do not appear to be deficient.
 - d. Gym, band/music have minimal to no natural light.
 - e. Temperature varies classroom to classroom.
 - f. Mechanical issues on occasion. The roof was replaced recently, which required some rooftop equipment work as well.
 - g. HVAC is adequate, but does require regular maintenance.
11. Fields:
 - a. There is no dedicated space for band to practice and rehearse.
 - b. Visitor bleachers needed for opposite side of stadium.
 - c. Irrigation is effective.
12. Aspirations for the future:
 - a. The School would like to have designated space for an Industrial Tech instruction. Students would greatly benefit from learning a trade. The school needs the ability to teach carpentry/welding/CAD, other CTE options.



MEMORANDUM

Page 5 of 5

13. Summary of challenges to educational adequacy:
 - a. A separate auditorium and cafeteria would improve functions, and a dedicated space for wrestling and mat storage would improve space issues.
 - b. School needs a space to teach Trade Skills.
 - c. Improved Security Systems, especially increased video monitoring around the facility, and office adjacency to front door.

CM/V./SD_Elizabeth/175024/mins/10.2.17 Elizabeth HS



MEMORANDUM

To: Attendees
From: Shannon Newberry | SN
Date: October 23, 2017
Comm. No: 175024

Subject: Elizabeth School District
Frontier High School Educational Adequacy Discussion
October 5, 2017 Meeting Minutes

Attendees:

Rob McMullen, Elizabeth School District	rmmcmullen@esdk12.org
Aimee LaLone, Wold Architects and Engineers	alalone@woldae.com
Shannon Newberry, Wold Architects and Engineers	snwberry@woldae.com

Discussion Topics:

- A. Introduction.
1. This meeting is being held in order to better understand the educational adequacy of the facility and how well it is functioning to serve the needs of the school.
- B. Overview of School:
1. Oldest building in District. Built in 1920, later an addition was added in the 1970s.
 2. Enrollment: approximately 60 students; Four (4) teachers total, 15 students in each classroom.
 3. What makes the school unique?
 - a. The school serves students who may not flourish in a traditional HS.
 - b. Students have to apply to enroll.
 - c. Fairly traditional instruction.
 - d. School offers a credit recovery program.
 - e. Frontier believes in fostering strong teacher-student relationships.
 - f. The school makes an effort to connect with students personally.
 - 1) Hiking/backpacking trips outside of school are an example of activities to build relationships.
 - g. Multiple graduations throughout the year. 20 grads this year. Fairly fast turnover.
 - h. Elizabeth School District is one of the smallest Districts in Colorado with an alternative HS program.
 4. How long has Frontier been operating?
 - a. Started as Elizabeth Alternative High School in 1995, but was not located in the current facility.
 - b. The school has been stationed in various locations.
 - c. Current facility used to be the MS, moved to the facility in 2002.

Wold Architects and Engineers
1553 Platte Street, Suite 201
Denver, CO 80202
woldae.com | 303 928 8800

PLANNERS
ARCHITECTS
ENGINEERS



MEMORANDUM

Page 2 of 4

5. Other functions/organizations that are located within building:
 - a. Opportunity program (behavior intervention)
 - b. Aspire program (for severe special education, transitioning into work)
 - c. Special kids care (District-wide before and after program)
 - d. Outside District programs:
 - 1) Nurse and family partnership.
 - 2) Baby Bear Hugs (program for newer parents)
 - 3) WIC (Women, Infants and Children)
 - 4) Connections for family coordinating group for all county services. School relies on them for pre-trial counseling.
 - 5) The County uses school as a backup EOC space.
 - 6) INT (early intervention).
- C. How well does the facility serve safety and security needs?
 1. Frontier is unique due to a variety of people/organizations who utilize the building.
 - a. Security is adequate, but not ideal.
 - b. The facility has a decent amount of cameras.
 - c. The Principal office is located at front of school, allowing the principal to have direct supervision of the front entrance. Office staff monitors visitors.
 - d. ECLC (Elizabeth Community Learning Center) uses large meeting room on second floor.
 - 1) Frontier has had issues with visitors not checking in at front office due to familiarity with space.
 - 2) In order to document visitors, multiple sign in sheets are located throughout the building.
 - e. It is common that doors have issues with closing, due to age.
 - f. Multiple cameras installed throughout the building. Camera footage can be viewed through Frontier's network.
 2. Electrical system is aging and requires frequent attention, maintenance.
- D. Access:
 1. Building is fairly easy to navigate for FHS students, however, the facility would not be fully accessible to students who use a wheelchair.
 2. The front entrance is the only ADA accessible entrance into the school.
 3. Upper floors and some areas of the first floor are not accessible due to there being no elevator.
 4. Toilet facilities are original and need to be upgraded.
 5. Third floor is used as storage; carrying items up there can be an issue.
 6. The only toilet designated for staff is located near the kitchen in the Admin space.
- E. Classrooms.
 1. Classroom sizes are adequate for current enrollment.
 2. Storage is adequate throughout the facility.
 3. Science classroom does not have sinks or eyewash, but does have a fume hood.
 4. Art Room:
 - a. Classroom is occupied for one period a day.
 - b. The classroom serves the current needs of the program.



MEMORANDUM

Page 3 of 4

5. Computer lab:
 - a. Frontier uses Chromebook carts.
 - b. 1 to 1 facility, students checkout Chromebooks for use daily.
6. Online Program:
 - a. Students can enroll in a credit recovery program.
7. Foods:
 - a. Classroom has original home economics fixtures/equipment and needs to be upgraded.
 - b. Frontier wants to offer temporary "renovating" class. Will give students an opportunity to learn more "hands on" skills.
 - c. Appliances are not commercial grade.
8. Wood Shop facility has minimal equipment/fixtures. The school would like to develop a program that provides job skills through a tech program. It would be great to have a space that has appropriate equipment.
9. SPED.
 - a. SPED teacher in facility for half the day.
 - b. Frontier does not provide services for severe needs students.
10. Admin.
 - a. The space is adequate for the two (2) half day secretaries, and Principal.
 - b. Principal's office is adequate, though large, and has multiple entrances.
 - c. There is a conference room.
 - d. No dedicated health room, copy room space is used for sick students.
11. Gym and Lockers.
 - a. The gym dates to the building's original construction, with a stage on one end. It has historic character. The wood floor was replaced a few years ago (due to damage from water). There is no A/C. There are original wood bleachers.
 - b. Locker rooms are original and are located under the stage in the basement. The fixtures and finishes are original and some do not function due to age.
 - c. MS and Parks and Rec utilize gym space and locker rooms.
12. Building environment:
 - a. Original boiler system.
 - b. A few swamp coolers on the roof have been replaced with rooftop heating/cooling units.
 - c. Constant repairs are needed throughout school.
 - d. Room temperature varies across the building.
 - e. Single pane windows allow cold into facility during winter season; space heaters are used throughout the facility.
 - f. Most rooms have only one to two (1-2) power receptacles.
 - g. Multiple Wifi dead zones throughout the facility. Regular maintenance is required in order to maintain tech infrastructure.
 - h. Classrooms have ceiling mounted projectors.
 - i. No internal PA system:
 - 1) Announcements are made through phones.



MEMORANDUM

Page 4 of 4

- 2) New speakers were recently installed in some locations to increase PA coverage. This is an improvement on the previous system, but the school is still experiencing issues with audibility.
13. Site.
 - a. Student parking lot needs to be repaved and lighting needs to be improved. The lot needs more light at night.
 - b. Large field on west side of site needs fencing.
 - c. Concrete repairs needed around the site for sidewalks, stairs, and the front entrance.
- F. Aspirations for the future:
 1. Would be great to become more of a vocational based program.
 - a. Not enough space or amenities for a vocational program currently.
 - b. More "hands on" classes.
 - c. Frontier wants to be a high school that offers alternative ways of learning, not narrowly stereotyped as an "alternative school".
 2. General:
 - a. Frontier wants to offer more than just a diploma, they would like to double in size in order to offer more.
- G. Summary of challenges to educational adequacy:
 1. Foods Class and Wood Shop could be upgraded in order to better serve the needs of the school.
 2. There are many issues that relate to the age of the building, including safety, access and support of educational programs.

CM/V:/SD_Elizabeth/175024/min/10.5.17 Frontier

MEMORANDUM



To: Attendees
From: Shannon Newberry | SN
Date: October 23, 2017
Comm. No: 175024

Subject: Elizabeth School District C-1
Elizabeth Middle School Educational Adequacy Discussion
October 6, 2017 Meeting Minutes

Attendees:

Pamela Eschief , Principal, Elizabeth Middle School	peschief@esdk12.org
Aimee LaLone, Wold Architects and Engineers	alalaone@woldae.com
Shannon Newberry, Wold Architects and Engineers	snewberry@woldae.com

Discussion Topics:

- A. Introduction:
1. This meeting is being held in order to better understand the educational adequacy of the facility and how well it is functioning to serve the needs of the school.
- B. Overview of School:
1. Grades 6-8, approximately 429 students.
 2. Each grade level is approximately 150 students.
 3. Attendance rate is around 95%.
 4. In the past, enrollment has been as high as 500-600 students.
 5. Enrollment has been steadily declining.
 6. School offers a wide variety of elective classes, including STEAM.
 7. Competitive sports:
 - a. Cross-country.
 - b. Volleyball (six teams).
 - c. Track and Field.
 - d. Football.
 - e. Basketball (six teams).
 8. Academics:
 - a. Elizabeth Middle School is academically competitive.
 - b. Teachers are able/encouraged to work individually with students as a small community.
 9. Higher SPED population:
 - a. Three full time SPED teachers in the building.
 - b. Population is growing.
 10. The free & reduced lunch population is roughly 20%.

Wold Architects and Engineers
1553 Platte Street, Suite 201
Denver, CO 80202
woldae.com | 303 928 8800

**PLANNERS
ARCHITECTS
ENGINEERS**



MEMORANDUM

Page 2 of 5

11. Strive to make school feel like a community.
 - a. School organizes events for the students such as dances, movie nights, drama productions, etc.
 - b. It is a school tradition to take every student to the homecoming parade.
 - c. The faculty and staff believe that if the students want to be at school, they will want to do better.
 12. Traditional schedule:
 - a. Schedule consists of five core classes, two electives, and a home room/advisory class for the last 30 minutes of the school day.
 - b. Core classes are 55 minutes long.
 - c. Eighth grade schedule is on a modified block schedule to better prepare the students for HS (75-minute classes).
 - d. Occasionally, students will have a DEAR session in class (drop everything and read).
 - 1) Some of the eighth grade students enroll in geometry at the high school.
 - 2) The goal for next year is that all students will stay within their grade level and will not have to go to the high school to take geometry because it will be offered at the Middle School.
 13. The school is an older building; it was built in the 1970s.
 - a. The Middle School moved into building in 2000.
- C. How well do the facilities support school programs and mission?
1. Safety and security:
 - a. 16 cameras are located throughout the school. The system could be improved. Security footage has been lost in the past.
 - b. Have had issues with doors not shutting properly, due to age. There are door sensors on some doors to notify when open.
 - c. Main entrance is not adjacent to the admin area.
 - 1) School has a video phone between the main entrance and the office, which allows the front office staff to monitor visitors, but they have had issues with parents bypassing the front office.
 - d. None of the hallways have the ability to be locked or shut off. This is a concern during after hours community events.
 - e. Gym location is not ideal for community events as it is in the rear of the building and visitors must walk through the school to access.
 - f. PA system:
 - 1) The PA system is older and has had some age-related failures.
 - 2) PA cannot be heard outside of the building at all.
 - 3) Reaches all classrooms, except the library.
 - 4) Announcements are very faint in the auditorium, almost inaudible.
 - 5) The PA system is also used for bells.
 2. Access, ADA, wayfinding:
 - a. Layout:
 - 1) The building is significantly larger than the Elementary Schools, students sometimes have a hard time navigating initially.
 - 2) SPED classrooms strategically placed for easy student access.



MEMORANDUM

Page 3 of 5

- 3) Passing periods are staggered and classrooms are generally organized in grade-level wings.
- 4) Three lunch periods.
3. General Classrooms:
 - a. Most classrooms are inadequate in size, too small, which impacts activities and use.
 - b. Few classrooms have exterior windows.
 - c. Average class size is approximately 28 students.
 - d. Most classrooms have an adequate amount of built in storage, the ones that do not have portable storage.
 - e. Power: Teachers utilize available outlets, but there are not enough for equipment.
4. Science:
 - a. Classroom size is adequate.
 - b. Classrooms have sinks and gas, though the gas is not currently used.
 - c. Hot water was installed recently for science classrooms.
5. Art:
 - a. The classroom has adequate storage.
 - b. There is a kiln for pottery, however the school would like to replace pottery wheels (have gone missing).
6. Choir, Drama, Band, Orchestra:
 - a. Band room has lockers for equipment.
 - b. Choir, drama, band, and orchestra are all adequate in size for current enrollment (fewer than 20 students/section).
 - c. Choir has large space, with a piano and a projector.
7. Library:
 - a. The library is space is adequately sized.
 - b. It is also used as a work space for teachers.
 - c. Community events are held in the library.
 - d. Roughly thirty computers.
 - 1) Microsoft and Google Chrome
 - e. Chrome carts are stored in the library.
 - 1) Five carts, each with 30 Chromebooks.
 - 2) Carts can be checked out by any teacher.
 - 3) The school needs more Chromebooks.
 - f. The PA system does not reach the library.
 - g. No natural light.
8. Auditorium: the school has an auditorium that is working adequately for the program.
9. Gym/PE:
 - a. Full-size gymnasium that is an addition to the building. It is a pre-engineered metal building. Doors in the gym have a tendency to leak.
 - b. Four locker rooms, all of the showers have been shut-off due to age issues and lack of use.
 - c. School has a matted wrestling room.
 - d. Storage space below stage for sports and physical education.
 - e. Health classroom adjacent to gymnasium.

MEMORANDUM

Page 4 of 5



- f. For large events, capacity is close to 500. Can accommodate roughly 170 folding chairs on gym floor. Parents/teachers sit in the bleachers.
- 10. Outdoor facilities:
 - a. School has a football field, baseball field, and a softball field.
 - b. The outdoor play/recess area for students is adequate, but could be improved. Areas for foursquare and wall ball are desired.
- 11. SPED:
 - a. Classrooms have individual and group style desks.
 - b. Life Skills classroom has sinks and laundry capabilities.
- 12. Admin/support
 - a. Three rooms down hallway have been converted to storage space.
 - b. Admin space includes a small kitchen, restroom, small conference room, copy room with storage and a counselor's office.
 - c. Three office staff, including a full-time health aide.
- 13. Technology infrastructure:
 - a. District servers are located in the Middle School.
 - b. Increased bandwidth recently.
 - c. Cellphone reception varies through the building.
- 14. Lighting:
 - a. The school has fluorescent lights. Staff and students have reported issues with affects such as headaches. Some teachers use lamps in their classrooms as primary light sources.
 - b. Admin area has removed some lights in order to reduce the quantity of light, as it was too bright.
- 15. Site:
 - a. The driveway entrance is tight for the quantity of vehicles at drop-off and pick-up. Buses have difficulty moving around parent vehicles.
 - b. There are safety issues with students accessing the fields for practice, because parents sometimes drive through the parking lot during bus boarding.
 - c. There are only two lights in the parking area, which seems inadequate for coverage.
 - d. Quantity of parking is inadequate during sporting or community events.
- 16. Building Systems
 - a. The age of the building does result in issues with ventilation, temperature control, access/safety and quality of space.
 - b. Leaks have been found throughout the building.
 - c. Temperature varies across the facility.
 - 1) Some rooms are too hot and others are too cold.
 - 2) Admin area lacks adequate air circulation.
 - d. There have been reports about frequent illness in the seventh grade hallway, which some attribute to inadequate ventilation.
- D. Aspirations for the future:
 - 1. If there is growth, the school thinks they have some options to relocate functions within the building to accommodate more students within the current footprint.

MEMORANDUM

Page 5 of 5



2. However, if a new building were being considered, larger classrooms and an improved layout for student safety, access and community use would be a priority.
 3. They are interested in one-to-one technology.
 4. With small classrooms, there may be new furniture options that could help with the functions of the space.
- E. Summary of challenges to educational adequacy:
1. Security and PA challenges. The lack of admin proximity to the front entrance and camera system deficiencies are noted. An upgrade security/camera system would be great.
 2. Small classrooms are limiting.
 3. Parking and driveway safety issues related to layout and lighting. Inadequate amount of parking for events.
 4. Minimal natural light, ventilation and temperature control issues.
 5. The outdoor play/recess area for students is adequate, but could be improved. Areas for foursquare and wall ball are desired.

JB/VSD_Elizabeth/175024/mins/10.6.17 Elizabeth MS

MEMORANDUM



To: Attendees
From: Shannon Newberry | SN
Date: October 23, 2017
Comm. No: 175024

Subject: Elizabeth School District
Running Creek Elementary School Educational Adequacy Discussion
October 6, 2017 Meeting Minutes

Attendees:

Tammy Krueger, RCE Principal	tkrueger@esdk12.org
Aimee LaLone, Wold Architects and Engineers	alalone@woldae.com
Shannon Newberry, Wold Architects and Engineers	snewberry@woldae.com

Discussion Topics:

- A. Introduction.
 - 1. This meeting is being held in order to better understand the educational adequacy of the facility and how well it is functioning to serve the needs of the school.
- B. Overview of School:
 - 1. Less than 400 students in Pre-K – 5th grade
 - 2. Enrollment has been declining in recent years.
 - 3. Running Creek offers full and half-day Pre-K classes.
 - 4. Small town feel, bedroom community, a large amount of families return to the Running Creek Community.
 - a. Traditional school community activities like class parties, Christmas caroling, homecoming parade are important.
 - b. Support from and interaction with the community is considered to be a top priority.
- C. Facilities:
 - 1. Safety/security:
 - a. The school recently installed more cameras around the facility and they are monitored at the front desk.
 - 2. The school makes an effort to maximize security with the available equipment/systems.
 - 3. PA system:
 - a. Cannot be heard outside the building. Increasing the volume affects the entire school, causing some spaces to be too loud. This is a high priority concern.
 - 4. Access/wayfinding:
 - a. The building's layout is easy to navigate.
 - b. Entrances use keycards, and the school wants to install more keycard readers.

Wold Architects and Engineers
1553 Platte Street, Suite 201
Denver, CO 80202
woldae.com | 303 928 8800

PLANNERS
ARCHITECTS
ENGINEERS



MEMORANDUM

Page 2 of 4

- c. The facility is on one level, and appears to be ADA accessible.
- d. Site has ADA accessibility issues.
 - 1) Lower field is only accessible via stairs.
- D. Classrooms:
 - 1. All classrooms are triangular-shaped, causing furniture options and functions to be limited.
 - 2. There is not enough built-in storage, custodial supplies are being stored in unused classrooms.
 - 3. The classrooms are small; challenging with classes larger than 20 students, especially for older grades.
 - 4. Typical classrooms have one small exterior window.
- E. Specials:
 - 1. Music: no issues were noted, the space is working well for the school.
 - 2. Art: no issues were noted, the space is working well for the school.
 - 3. Tech.
 - a. STEM Lab functions properly, but is located in a space not originally designed for this function, not ideal for storage of materials or provision for equipment.
 - 4. Media Center.
 - a. Adequate amount of space.
 - b. Located in the center, interior of the building without exterior windows or views. There are a few skylights that bring in some natural light.
 - c. Finishes appear to be original to the building.
 - 5. Gymnasium.
 - a. Original hardwood floor.
 - b. AV equipment is in need of upgrade for their gym classes. The system is older, bulky, difficult to operate and does not provide adequate audio coverage/performance.
 - 6. Cafeteria.
 - a. Functions properly for current enrollment size.
 - b. Six lunch periods, each grade level at a time.
 - 7. SPED.
 - a. Pre-school SPED is centrally located in order to be easily located by students.
 - b. OT classroom is adequate.
 - c. Severe needs classroom has an accessible toilet and changing space.
 - d. Other SPED rooms are smaller, and used as breakout classes, functioning adequately.
 - 8. Admin Office.
 - a. The space works adequately. Would like to be closer to the main entrance to monitor visitors, but they are able to manage with the video-phone.
 - b. There is no conference room, which is needed.
 - c. Office Manager needs confidential space for accounting work, which is why they are in an enclosed office.
 - d. Counselor has small office.



MEMORANDUM

Page 3 of 4

9. Facility Issues:
- a. Facility lacks air conditioning.
 - 1) Building is very uncomfortable during warmer months of the school year. This has an affect on students and teachers; it seems to wear people out by the end of the school day.
 - 2) Tech Lab has AC.
 - b. There are issues with temperature control; temperature can varies significantly throughout building.
 - c. Some classrooms have experienced flooding from water infiltration coming through exterior walls in the past, causing damage to carpet and fixtures.
 - d. Toilet fixtures are original and are in need of updating.
 - e. Minimal natural light, due to smaller-sized windows.
 - f. Computer carts are shared between classrooms. School has one interactive whiteboard space that can be checked out by teachers.
 - g. Individual teachers have laptops assigned to them.
 - h. It is a goal of the school to install projectors in every classroom; this is in progress.
 - i. There are internet connectivity issues periodically, sometimes due to issues outside of the District's control.
 - 1) District tech staff is very supportive.
 - j. Playground:
 - 1) The outdoor play space consists of a large open hard-surface court area for "field" games and playground equipment with poured rubber type surface, all of which is enclosed by a fence. Based on visual appearance and description by the school, it appears that the open area has a rubber surface that was poured over top of asphalt. The school is in contact with the contractor that installed it to review and possibly re-install.
 - 2) There is a grass play field that is beyond this play area, down a flight of steps. This field is not used as the school does not feel it's safe. It appears to largely consist of native seed and is not irrigated; it appears to have an uneven surface, which could cause trips.
 - 3) Other than the unused field, there is no designated field to play games that require large amounts of space, such as: football, soccer, baseball, Frisbee, etc.
 - 4) Pre-K has a playground area separated from other age groups via a chain link fence. The school has been continually working on improving the amenities of the PK playground.
 - k. Parking:
 - 1) There is not adequate parking space in the school's lot. The Church next door allows school to use their parking lot.
 - 2) The school staggers PK and K-5 pick up, to reduce congestion.
 - 3) Parents are permitted to park in bus loop during the day.
- F. Future Analysis:
- 1. Hoping for growth in community, would like to grow.
 - 2. Want to utilize more technology, especially interactive technology.
 - 3. School wants to fully embrace and expand their tech program.

MEMORANDUM

Page 4 of 4



4. The school has room to grow.
- G. Summary of challenges to Educational Adequacy:
 1. A/C would be a great improvement.
 2. Support for more technology growth.
 3. The school could benefit from more flexible classroom space: the triangular configuration is restricting some functions.
 4. There is a need for more natural light, particularly in the interior areas of the school.

JB/V:/SD_Elizabeth/175024/min/10.6.17 Running Creek

MEMORANDUM



To: Attendees
From: Shannon Newberry | SN
Date: October 19, 2017
Comm. No: 175024

Subject: Elizabeth School District C-1
Singing Hills Educational Adequacy Discussion
October 2, 2017 Meeting Minutes

Attendees:

Regina Montera, Principal of Singing Hills ES	rmontera@esdk12.org
Aimee LaLone, Wold Architects and Engineers	alalone@woldae.com
Job Gutierrez, Wold Architects and Engineers	kgutierrez@woldae.com
Shannon Newberry, Wold Architects and Engineers	snewberry@woldae.com

Discussion Topics:

A. Introductions:

1. This meeting is being held in order to better understand the educational adequacy of the existing facility and how well it currently serves the needs of the school.

B. Overview of School:

1. Preschool – 5th Grade:
 - a. Students can be enrolled as early as 2.5 years of age.
 - b. Preschool is continually growing, 68 enrolled in 2016, 78 in 2017.
 - c. 392 K-5 students, 78 preschool, roughly 25 certified K-5 teachers, eight (8) preschool teachers, roughly 20 staff members.
 - d. School has a Parker address, which allows for open enrollment.
 - e. Pre-K used to be off-site in Frontier before moving to Running Creek and Singing Hills.
 - 1) Most PK students return to Singing Hills for kindergarten, lose around three to five (3 to 5) to Parker.
 - 2) Initial enrollment was around 45, but is now closer to 60.
2. Unique School Culture:
 - a. Everyone is treated like family, this attitude extends beyond the school.
 - b. Faculty/Staff are encouraged to go above and beyond for every student.
 - c. School experiences long term involvement from alumni and community members.
3. Staff:
 - a. School experiences turnover of staff due to higher salaries offered in neighboring districts.

Wold Architects and Engineers
1553 Platte Street, Suite 201
Denver, CO 80202
woldae.com | 303 928 8800

PLANNERS
ARCHITECTS
ENGINEERS



MEMORANDUM

Page 2 of 4

4. Community and Parental Involvement:
 - a. Singing Hills is located further away from Elizabeth than other schools in the district. This does not affect involvement with the school. Parents and community are very dedicated.
 - b. Not all of their students attend Elizabeth Middle School. Approximately five (5) leave the District and attend a different Middle School every year.
 - c. Singing Hills has their own buses (Running Creek shares with the middle school and high school bus system).
5. Are there any spaces used for Districtwide programs?
 - a. Cafeteria/art room is used for after school program kids' care.
 - b. Preschool used for before and after care.
 - c. A few extracurricular groups use classroom spaces.
 - d. Gym and conference room used by the community.
- C. Do the existing facilities support school program?
 1. Safety:
 - a. Security systems are adequate.
 - b. Front office monitors visitors via video-phone, but the office is not adjacent to the front door.
 - c. School uses the Raptor system, access via keypad, and doors locked at all times.
 - d. Three (3) inner doors access classrooms in pods, which is a concern for lockdowns. Door hardware could be studied further to determine a possible hardware solution.
 2. Site Safety:
 - a. Parents are not supposed to enter bus loop, but some parents still park there.
 - b. Lower half of parking lot is for K-5 and upper half is for preschool.
 - c. Parking lot gets crowded during pick up-drop off.
 - d. Buses are forced to park sideways in parking lot currently. There is need for reconfiguration.
 3. Access:
 - a. Building is fairly easy to navigate and wayfind.
 - b. K-5 drop-off starts at 7:45 – 8:05 a.m. K-5, preschool drop-off starts at 8:00 a.m. Staggered start times helps reduce congestion.
 - c. The STEM lab is located between 4th and 5th Grade. This is used by all grade levels.
 4. Number of Classrooms:
 - a. Appears classrooms have adequate space for current enrollment, and there is space to grow.
 - b. Currently, two classrooms are used for storage. There is need for storage solution if enrollment were to grow.
 - c. There is an unused classroom between 3rd and 4th Grade.
 - d. One unused classroom is used to store PK materials/equipment, some of which is for District-wide use.
 - e. SPED classrooms are located centrally in the facility.
 - f. School has some flexibility to reconfigure.
 5. Adequacy of Classrooms:
 - a. Adequate size and storage.
 - b. Art classroom, and media center is adequate.



MEMORANDUM

Page 3 of 4

- c. Toilet room locations are adequate. One (1) preschool class currently uses the 3rd Grade toilet.
- d. 4th and 5th Grade classrooms are crowded, mainly due to size of students.
- e. Not enough electrical outlets in classrooms.
- f. Music needs more storage, as well as improved acoustics.
- g. Gym office is small and the furniture layout needs to be reconfigured (elaborate).
6. SPED:
 - a. All needs are met and addressed.
 - b. A classroom is currently designated for occupational therapy.
7. Administration/Support Spaces:
 - a. Kitchen is adequate.
 - b. Principal personally likes having two (2) doors to office, wishes for more space, but it meets the needs of the school.
 - c. School has a fulltime health staff member.
8. Cafeteria:
 - a. Cafeteria space is tight.
 - b. Six (6) lunches a day, per grade level. A larger space would allow for combined lunches.
 - c. There are acoustics issues (loud) and natural light is minimal.
9. Building, Environment Controls:
 - a. Heating, plumbing, and the PA System throughout the building are adequate.
 - b. Adding spaces are the only spaces with A/C. The lack of A/C can cause some spaces to become uncomfortably warm, such as the gym office.
 - c. Adding A/C has been discussed in the past.
 - d. Windows within classrooms are operable, but they leak. Teachers insulate windows with towels during the winter.
 - e. Poor cell phone reception in building depending on provider.
10. Technology:
 - a. The School currently uses smartboards, projectors, laptops, and Chromebooks. The community has expressed desire to not overload the students with technology; what they have now is adequate.
11. Site
 - a. No concern with landscape features.
 - b. Playground is adequate, but surrounding green fields could be improved/expanded.
 - c. Preschool has a separate playground from rest of school.
12. Innovation and the Future:
 - a. The school is intentionally talking about how they envision future; conversations are developing.
 - b. The community seems apprehensive towards growth.
 - c. There is a need for a plan that will sustain growth. Especially for the next ten years.
 - d. Need more space for community involvement, ex. parking.

MEMORANDUM

Page 4 of 4



13. Summary of challenges to educational adequacy:
 - a. Improved security. Door hardware at classroom pods, study whether office adjacency to front door would be feasible.
 - b. Would be great to expand cafeteria in order to have combined lunch periods.
 - c. A/C throughout building would benefit occupants.
 - d. Fix leaks at operable windows.

MV/V/SD_Elizabeth/175024/mins/10.2.17 Singing Hills

APPENDIX E: CONDITION ASSESSMENT DATA

Elizabeth School District Deficiency Totals

	2018	2021	2023	2028
Elizabeth HS	\$8,916,311	\$17,188,328	\$18,590,903	\$23,464,540
Frontier HS	\$11,493,592	\$17,642,850	\$19,726,733	\$24,102,172
Elizabeth MS	\$14,348,753	\$16,140,912	\$17,458,128	\$21,240,459
Singing Hills ES	\$6,950,218	\$7,818,300	\$8,456,330	\$15,974,072
Running Creek ES	\$11,762,864	\$13,232,045	\$14,311,876	\$17,412,567
Total	\$53,471,738	\$72,022,436	\$78,543,971	\$102,193,811

Elizabeth HS Deficiency Totals

TOTAL 2018 Deficiency	\$8,916,311
TOTAL 2021 Deficiency	\$17,188,328
TOTAL 2023 Deficiency	\$18,590,903
TOTAL 2028 Deficiency	\$23,464,540

2021 Elizabeth HS Building Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2021 Replacement \$	Notes
A1010	Standard Foundations	100	2000	\$0	\$1,683,086	
A1020	Special Foundations	100	2000	\$0	\$94,187	
A1030	Slab on Grade	100	2000	\$0	\$1,449,664	
A2010	Basement Excavation	100	2000	\$0	\$0	
A2020	Basement Walls	100	2000	\$0	\$0	
B1010	Floor Construction	100	2000	\$0	\$4,066,431	
B1020	Roof Construction	100	2000	\$0	\$2,760,095	
						Need caulking, sealer, and 1 small area of masonry repair; May need further investigation into exterior wall separation from the structure
B2010	Exterior Walls	100	2000	\$471,100	\$2,944,375	
B2020	Exterior Windows	30	2000	\$776,430	\$1,941,076	Many broken Seals
B2030	Exterior Doors	30	2000	\$0	\$161,756	
B3010	Roof Coverings	20	2017	\$0	\$1,953,362	Replaced in 2017
B3020	Roof Openings	30	2000	\$122,136	\$124,901	
C1010	Partitions	40	2000	\$0	\$1,228,529	
C1020	Interior Doors	40	2000	\$0	\$788,306	
C1030	Fittings	20	2000	\$689,205	\$626,550	
C2010	Stair Construction	100	2000	\$0	\$616,312	
C3010	Wall Finishes	20	2000	\$1,168,945	\$1,062,677	
C3020	Floor Finishes	20	2000	\$2,259,061	\$2,053,692	Stair treads need to be replaced
C3030	Ceiling Finishes	20	2000	\$2,168,968	\$1,971,789	
D1010	Elevators and Lifts	30	2000	\$0	\$272,324	
D1020	Escalators and Moving Walks	30	2000	\$0	\$0	
D1090	Other Conveying Systems	30	2000	\$0	\$0	
D2010	Plumbing Fixtures	30	2000	\$0	\$1,504,949	CDE included plumbing fixture replacement, not sure why.
D2020	Domestic Water Distribution	30	2000	\$0	\$171,994	
D2030	Sanitary Waste	30	2000	\$0	\$399,272	
D2040	Rain Water Drainage	30	2000	\$0	\$102,377	
D2090	Other Plumbing Systems	20	2000	\$144,147	\$131,043	
D3010	Energy Supply	30	2000	\$0	\$0	
D3020	Heat Generating Systems	30	2000	\$0	\$988,636	
D3030	Cooling Generating Systems	30	2000	\$0	\$0	
D3040	Distribution Systems	30	2000	\$0	\$2,299,397	
D3050	Terminal & Package Units	15	2000	\$6,351,059	\$6,494,824	
D3060	Controls & Instrumentation	20	2000	\$572,085	\$520,077	Controls/BAS is currently not functioning
D3070	Systems Testing & Balance	30	2000	\$0	\$151,518	
D3090	Other HVAC Systems/Equip	30	2000	\$0	\$0	
D4010	Sprinklers	30	2000	\$0	\$1,048,345	
D4020	Standpipes	30	2000	\$0	\$0	
D4030	Fire Protection Specialties	15	2000	\$22,024	\$22,523	
D4090	Other Fire Protection Systems	15	2000	\$126,140	\$128,996	
D5010	Electrical Service/Distribution	30	2000	\$0	\$464,794	
D5020	Lighting and Branch Wiring	30	2000	\$0	\$2,758,048	
D5030	Communications and Security	20	2000	\$1,078,853	\$980,776	
D5090	Other Electrical Systems	15	2000	\$86,096	\$88,045	
E1020	Institutional Equipment	20	2000	\$0	\$30,713	
E1030	Vehicular Equipment	20	2000	\$0	\$0	
E1090	Other Equipment	20	2000	\$0	\$196,565	
E2010	Fixed Furnishings	20	2000	\$0	\$472,983	
F1010	Special Structures	20	2000	\$0	\$0	
F1020	Integrated Construction	20	2000	\$0	\$0	
F1030	Special Construction Systems	20	2000	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
	2021 TOTAL Deficiency			\$16,069,404	\$44,654,987	
	2023 TOTAL Deficiency			\$17,380,668	\$48,298,833	
	2028 TOTAL Deficiency			\$21,992,105	\$61,113,475	

Elizabeth HS Site

Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$	Notes
G1010	Site Clearing	0	2000	\$0	\$0	
G1020	Site Demolition and Relocations	0	2000	\$0	\$0	
G1030	Site Earthwork	0	2000	\$0	\$0	
G1040	Hazardous Waste Remediation	0	2000	\$0	\$0	
G2010	Roadways	50	2000	\$115,037	\$287,592	Significant roadway repairs needed
G2020	Parking Lots	50	2000	\$211,144	\$527,859	Significant parking lot repairs needed
G2030	Pedestrian Paving	50	2000	\$150,167	\$136,515	Pedestrian Paving needs to be replaced
G2040	Site Development	30	2000	\$0	\$1,012,034	
G2050	Landscaping	10	2000	\$393,164	\$491,455	New Track surfacing in 2016
G3010	Water Supply	50	2000	\$0	\$85,550	
G3020	Sanitary Sewer	50	2000	\$0	\$187,481	
G3030	Storm Sewer	50	2000	\$0	\$81,909	
G3040	Heating Distribution	0	2000	\$0	\$0	
G3050	Cooling Distribution	0	2000	\$0	\$0	
G3060	Fuel Distribution	50	2000	\$0	\$54,606	
G3090	Other Site Mechanical Utilities	0	2000	\$0	\$0	
G4010	Electrical Distribution	30	2000	\$0	\$231,166	
G4020	Site Lighting	30	2000	\$0	\$234,806	
G4030	Site Communication and Security	30	2000	\$125,176	\$107,392	
G4090	Other Site Electrical Utilities	30	2000	\$0	\$0	
TOTAL 2018 Deficiency				\$994,687	\$3,438,365	
TOTAL 2021 Deficiency				\$1,118,923	\$3,867,817	
TOTAL 2023 Deficiency				\$1,210,236	\$4,183,459	
TOTAL 2028 Deficiency				\$1,472,435	\$5,089,812	

Frontier HS Deficiency Totals

2018 Deficiency Total	\$11,493,592
2021 Deficiency Total	\$17,642,850
2023 Deficiency Total	\$19,726,733
2028 Deficiency Total	\$24,102,172

2018 Frontier HS Assessment

Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$	Notes
A1010	Standard Foundations	100	1920	\$0	\$543,626	Foundations appear to be in good condition
A1020	Special Foundations	100	1920	\$0	\$29,385	Very little settling/stress cracks
A1030	Slab on Grade	100	1920	\$0	\$466,156	
A2010	Basement Excavation	100	1920	\$0	\$14,693	
A2020	Basement Walls	100	1920	\$0	\$48,085	
B1010	Floor Construction	100	1920	\$0	\$1,309,644	
B1020	Roof Construction	100	1920	\$0	\$888,902	
						Masonry Repair, Parapets, and Tuckpointing Needed; Also wood fascia is greatly deteriorating
B2010	Exterior Walls	100	1920	\$300,000	\$949,008	
B2020	Exterior Windows	30	1920	\$687,613	\$625,103	
B2030	Exterior Doors	30	1920	\$57,301	\$52,092	
B3010	Roof Coverings	30	2000	\$0	\$1,162,050	Roof Replaced in 2000
B3020	Roof Openings	30	1920	\$0	\$0	
C1010	Partitions	40	1920	\$436,370	\$396,700	
						Most doors and hardware in poor condition, Knobs not code compliant
C1020	Interior Doors	40	1920	\$279,894	\$254,449	
C1030	Fittings	20	1920	\$221,858	\$201,689	
C2010	Stair Construction	100	1920	\$0	\$198,350	
C3010	Wall Finishes	20	1920	\$376,865	\$342,604	
C3020	Floor Finishes	20	1920	\$675,071	\$661,834	(6) Rooms have newer flooring
C3030	Ceiling Finishes	20	1920	\$700,102	\$636,456	
D1010	Elevators and Lifts	30	1920	\$96,971	\$88,156	
D1020	Escalators and Moving Walks	30	1920	\$0	\$0	
D1090	Other Conveying Systems	30	1920	\$0	\$0	
D2010	Plumbing Fixtures	30	1920	\$727,283	\$484,855	
D2020	Domestic Water Distribution	30	1920	\$59,505	\$54,095	
D2030	Sanitary Waste	30	1920	\$141,049	\$128,226	
D2040	Rain Water Drainage	30	1920	\$35,997	\$32,724	
D2090	Other Plumbing Systems	20	1920	\$46,282	\$42,074	
D3010	Energy Supply	30	1920	\$0	\$0	
D3020	Heat Generating Systems	30	1920	\$315,156	\$286,506	
D3030	Cooling Generating Systems	30	2004	\$393,394	\$476,841	25% of Packaged Units were installed 4-5yrs ago
D3040	Distribution Systems	30	1920	\$815,439	\$741,308	
D3050	Terminal & Package Units	15	1994	\$1,726,746	\$2,093,026	25% of Packaged Units were installed 4-5yrs ago
D3060	Controls & Instrumentation	20	1920	\$184,392	\$167,629	
D3070	Systems Testing & Balance	30	1920	\$53,628	\$48,753	
D3090	Other HVAC Systems/Equip	30	1920	\$0	\$0	
D4010	Sprinklers	30	1920	\$335,726	\$305,205	Only a couple rooms and corridors have sprinklers
D4020	Standpipes	30	1920	\$0	\$0	
D4030	Fire Protection Specialties	15	1920	\$8,081	\$7,346	
D4090	Other Fire Protection Systems	15	1920	\$0	\$0	
D5010	Electrical Service/Distribution	30	1920	\$165,292	\$150,265	
D5020	Lighting and Branch Wiring	30	1920	\$977,057	\$888,234	T-12 lamps throughout
D5030	Communications and Security	20	2000	\$0	\$315,891	
D5090	Other Electrical Systems	15	1920	\$30,854	\$28,049	
E1020	Institutional Equipment	20	1920	\$11,019	\$10,018	
E1030	Vehicular Equipment	20	1920	\$0	\$0	
E1090	Other Equipment	20	1920	\$69,055	\$62,777	
E2010	Fixed Furnishings	20	1920	\$166,761	\$151,601	
F1010	Special Structures	20	1920	\$0	\$0	
F1020	Integrated Construction	20	1920	\$0	\$0	
F1030	Special Construction Systems	20	1920	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
TOTALS				\$10,127,916	\$15,344,405	

2021 Frontier HS Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2021 Replacement \$	Notes
A1010	Standard Foundations	100	1920	\$672,677	\$611,525	Foundations appear to be in good condition
A1020	Special Foundations	100	1920	\$36,361	\$33,055	Very little settling/stress cracks
A1030	Slab on Grade	100	1920	\$576,817	\$524,379	
A2010	Basement Excavation	100	1920	\$18,181	\$16,528	
A2020	Basement Walls	100	1920	\$59,500	\$54,091	
B1010	Floor Construction	100	1920	\$1,620,540	\$1,473,219	
B1020	Roof Construction	100	1920	\$1,099,918	\$999,926	
B2010	Exterior Walls	100	1920	\$1,174,293	\$1,067,539	Masonry Repair, Parapets, and Tuckpointing Needed; Also wood fascia is greatly deteriorating
B2020	Exterior Windows	30	1920	\$687,613	\$703,178	Few windows were replaced with residential windows
B2030	Exterior Doors	30	1920	\$57,301	\$58,598	
B3010	Roof Coverings	30	2000	\$0	\$1,307,190	Roof Replaced in 2000
B3020	Roof Openings	30	1920	\$0	\$0	
C1010	Partitions	40	1920	\$436,370	\$446,248	
C1020	Interior Doors	40	1920	\$314,853	\$286,230	Most doors and hardware in poor condition, Knobs not code compliant
C1030	Fittings	20	1920	\$221,858	\$226,880	
C2010	Stair Construction	100	1920	\$245,436	\$223,124	
C3010	Wall Finishes	20	1920	\$376,865	\$385,395	
C3020	Floor Finishes	20	1920	\$759,387	\$744,497	(6) Rooms have newer flooring
C3030	Ceiling Finishes	20	1920	\$700,102	\$715,949	
D1010	Elevators and Lifts	30	1920	\$96,971	\$99,167	
D1020	Escalators and Moving Walks	30	1920	\$0	\$0	
D1090	Other Conveying Systems	30	1920	\$0	\$0	
D2010	Plumbing Fixtures	30	1920	\$727,283	\$545,413	
D2020	Domestic Water Distribution	30	1920	\$59,505	\$60,851	
D2030	Sanitary Waste	30	1920	\$141,049	\$144,241	
D2040	Rain Water Drainage	30	1920	\$35,997	\$36,811	
D2090	Other Plumbing Systems	20	1920	\$46,282	\$47,329	
D3010	Energy Supply	30	1920	\$0	\$0	
D3020	Heat Generating Systems	30	1920	\$315,156	\$322,291	
D3030	Cooling Generating Systems	30	2004	\$442,529	\$536,398	25% of Packaged Units were installed 4-5yrs ago
D3040	Distribution Systems	30	1920	\$815,439	\$833,897	
D3050	Terminal & Package Units	15	1994	\$1,942,417	\$2,354,445	25% of Packaged Units were installed 4-5yrs ago
D3060	Controls & Instrumentation	20	1920	\$184,392	\$188,566	
D3070	Systems Testing & Balance	30	1920	\$53,628	\$54,842	
D3090	Other HVAC Systems/Equip	30	1920	\$0	\$0	
D4010	Sprinklers	30	1920	\$335,726	\$343,325	Only a couple rooms and corridors have sprinklers
D4020	Standpipes	30	1920	\$0	\$0	
D4030	Fire Protection Specialties	15	1920	\$8,081	\$8,264	
D4090	Other Fire Protection Systems	15	1920	\$0	\$0	
D5010	Electrical Service/Distribution	30	1920	\$165,292	\$169,033	
D5020	Lighting and Branch Wiring	30	1920	\$977,057	\$999,174	T-12 lamps throughout
D5030	Communications and Security	20	2000	\$390,880	\$355,346	
D5090	Other Electrical Systems	15	1920	\$30,854	\$31,552	
E1020	Institutional Equipment	20	1920	\$11,019	\$11,269	
E1030	Vehicular Equipment	20	1920	\$0	\$0	
E1090	Other Equipment	20	1920	\$69,055	\$70,618	
E2010	Fixed Furnishings	20	1920	\$166,761	\$170,536	
F1010	Special Structures	20	1920	\$0	\$0	
F1020	Integrated Construction	20	1920	\$0	\$0	
F1030	Special Construction Systems	20	1920	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
TOTALS				\$16,106,601	\$17,260,921	

2021 Frontier HS Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2021 Replacement \$	Notes
A1010	Standard Foundations	100	1920	\$672,677	\$611,525	Foundations appear to be in good condition
A1020	Special Foundations	100	1920	\$36,361	\$33,055	Very little settling/stress cracks
A1030	Slab on Grade	100	1920	\$576,817	\$524,379	
A2010	Basement Excavation	100	1920	\$18,181	\$16,528	
A2020	Basement Walls	100	1920	\$59,500	\$54,091	
B1010	Floor Construction	100	1920	\$1,620,540	\$1,473,219	
B1020	Roof Construction	100	1920	\$1,099,918	\$999,926	
B2010	Exterior Walls	100	1920	\$1,174,293	\$1,067,539	Masonry Repair, Parapets, and Tuckpointing Needed; Also wood fascia is greatly deteriorating
B2020	Exterior Windows	30	1920	\$687,613	\$703,178	Few windows were replaced with residential windows
B2030	Exterior Doors	30	1920	\$57,301	\$58,598	
B3010	Roof Coverings	30	2000	\$0	\$1,307,190	Roof Replaced in 2000
B3020	Roof Openings	30	1920	\$0	\$0	
C1010	Partitions	40	1920	\$436,370	\$446,248	
C1020	Interior Doors	40	1920	\$314,853	\$286,230	Most doors and hardware in poor condition, Knobs not code compliant
C1030	Fittings	20	1920	\$221,858	\$226,880	
C2010	Stair Construction	100	1920	\$245,436	\$223,124	
C3010	Wall Finishes	20	1920	\$376,865	\$385,395	
C3020	Floor Finishes	20	1920	\$759,387	\$744,497	(6) Rooms have newer flooring
C3030	Ceiling Finishes	20	1920	\$700,102	\$715,949	
D1010	Elevators and Lifts	30	1920	\$96,971	\$99,167	
D1020	Escalators and Moving Walks	30	1920	\$0	\$0	
D1090	Other Conveying Systems	30	1920	\$0	\$0	
D2010	Plumbing Fixtures	30	1920	\$727,283	\$545,413	
D2020	Domestic Water Distribution	30	1920	\$59,505	\$60,851	
D2030	Sanitary Waste	30	1920	\$141,049	\$144,241	
D2040	Rain Water Drainage	30	1920	\$35,997	\$36,811	
D2090	Other Plumbing Systems	20	1920	\$46,282	\$47,329	
D3010	Energy Supply	30	1920	\$0	\$0	
D3020	Heat Generating Systems	30	1920	\$315,156	\$322,291	
D3030	Cooling Generating Systems	30	2004	\$442,529	\$536,398	25% of Packaged Units were installed 4-5yrs ago
D3040	Distribution Systems	30	1920	\$815,439	\$833,897	
D3050	Terminal & Package Units	15	1994	\$1,942,417	\$2,354,445	25% of Packaged Units were installed 4-5yrs ago
D3060	Controls & Instrumentation	20	1920	\$184,392	\$188,566	
D3070	Systems Testing & Balance	30	1920	\$53,628	\$54,842	
D3090	Other HVAC Systems/Equip	30	1920	\$0	\$0	
D4010	Sprinklers	30	1920	\$335,726	\$343,325	Only a couple rooms and corridors have sprinklers
D4020	Standpipes	30	1920	\$0	\$0	
D4030	Fire Protection Specialties	15	1920	\$8,081	\$8,264	
D4090	Other Fire Protection Systems	15	1920	\$0	\$0	
D5010	Electrical Service/Distribution	30	1920	\$165,292	\$169,033	
D5020	Lighting and Branch Wiring	30	1920	\$977,057	\$999,174	T-12 lamps throughout
D5030	Communications and Security	20	2000	\$390,880	\$355,346	
D5090	Other Electrical Systems	15	1920	\$30,854	\$31,552	
E1020	Institutional Equipment	20	1920	\$11,019	\$11,269	
E1030	Vehicular Equipment	20	1920	\$0	\$0	
E1090	Other Equipment	20	1920	\$69,055	\$70,618	
E2010	Fixed Furnishings	20	1920	\$166,761	\$170,536	
F1010	Special Structures	20	1920	\$0	\$0	
F1020	Integrated Construction	20	1920	\$0	\$0	
F1030	Special Construction Systems	20	1920	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
TOTALS				\$16,106,601	\$17,260,921	

2028 Frontier HS Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2028 Replacement \$	Notes
A1010	Standard Foundations	100	1920	\$885,203	\$804,730	Foundations appear to be in good condition
A1020	Special Foundations	100	1920	\$47,848	\$43,499	Very little settling/stress cracks
A1030	Slab on Grade	100	1920	\$759,056	\$690,051	
A2010	Basement Excavation	100	1920	\$23,925	\$21,750	
A2020	Basement Walls	100	1920	\$78,298	\$71,180	
B1010	Floor Construction	100	1920	\$2,132,533	\$1,938,666	
B1020	Roof Construction	100	1920	\$1,447,426	\$1,315,842	
B2010	Exterior Walls	100	1920	\$1,545,298	\$1,404,817	Masonry Repair, Parapets, and Tuckpointing Needed; Also wood fascia is greatly deteriorating
B2020	Exterior Windows	30	1920	\$1,017,874	\$925,340	Few windows were replaced with residential windows
B2030	Exterior Doors	30	1920	\$84,823	\$77,112	
B3010	Roof Coverings	30	2000	\$0	\$1,720,183	Roof Replaced in 2000
B3020	Roof Openings	30	1920	\$0	\$0	
C1010	Partitions	40	1920	\$645,959	\$587,235	
C1020	Interior Doors	40	1920	\$414,327	\$376,661	Most doors and hardware in poor condition, Knobs not code compliant
C1030	Fittings	20	1920	\$328,416	\$298,560	
C2010	Stair Construction	100	1920	\$322,979	\$293,618	
C3010	Wall Finishes	20	1920	\$557,872	\$507,157	
C3020	Floor Finishes	20	1920	\$1,077,684	\$979,713	(6) Rooms have newer flooring
C3030	Ceiling Finishes	20	1920	\$1,036,360	\$942,146	
D1010	Elevators and Lifts	30	1920	\$143,547	\$130,497	
D1020	Escalators and Moving Walks	30	1920	\$0	\$0	
D1090	Other Conveying Systems	30	1920	\$0	\$0	
D2010	Plumbing Fixtures	30	1920	\$789,504	\$717,731	
D2020	Domestic Water Distribution	30	1920	\$88,085	\$80,077	
D2030	Sanitary Waste	30	1920	\$208,794	\$189,813	
D2040	Rain Water Drainage	30	1920	\$53,285	\$48,441	
D2090	Other Plumbing Systems	20	1920	\$68,510	\$62,282	
D3010	Energy Supply	30	1920	\$0	\$0	
D3020	Heat Generating Systems	30	1920	\$466,526	\$424,115	
D3030	Cooling Generating Systems	30	2004	\$582,341	\$705,868	25% of Packaged Units were installed 4-5yrs ago
D3040	Distribution Systems	30	1920	\$1,207,094	\$1,097,358	
D3050	Terminal & Package Units	15	1994	\$2,556,103	\$3,098,306	25% of Packaged Units were installed 4-5yrs ago
D3060	Controls & Instrumentation	20	1920	\$272,955	\$248,141	
D3070	Systems Testing & Balance	30	1920	\$79,386	\$72,169	
D3090	Other HVAC Systems/Equip	30	1920	\$0	\$0	
D4010	Sprinklers	30	1920	\$496,974	\$451,795	Only a couple rooms and corridors have sprinklers
D4020	Standpipes	30	1920	\$0	\$0	
D4030	Fire Protection Specialties	15	1920	\$11,962	\$10,874	
D4090	Other Fire Protection Systems	15	1920	\$0	\$0	
D5010	Electrical Service/Distribution	30	1920	\$244,681	\$222,437	
D5020	Lighting and Branch Wiring	30	1920	\$1,446,338	\$1,314,853	T-12 lamps throughout
D5030	Communications and Security	20	2000	\$514,375	\$467,613	
D5090	Other Electrical Systems	15	1920	\$45,673	\$41,521	
E1020	Institutional Equipment	20	1920	\$16,313	\$14,830	
E1030	Vehicular Equipment	20	1920	\$0	\$0	
E1090	Other Equipment	20	1920	\$102,222	\$92,929	
E2010	Fixed Furnishings	20	1920	\$246,856	\$224,415	
F1010	Special Structures	20	1920	\$0	\$0	
F1020	Integrated Construction	20	1920	\$0	\$0	
F1030	Special Construction Systems	20	1920	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
TOTALS				\$22,080,561	\$22,714,323	

2018 Frontier HS Site Assessment

Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$
G1010	Site Clearing	0	1920	\$0	\$0
G1020	Site Demolition and Relocations	0	1920	\$0	\$0
G1030	Site Earthwork	0	1920	\$0	\$0
G1040	Hazardous Waste Remediation	0	1920	\$0	\$0
G2010	Roadways	50	1920	\$116,072	\$105,520
G2020	Parking Lots	50	1920	\$213,043	\$193,675
G2030	Pedestrian Paving	50	1920	\$55,097	\$50,088
G2040	Site Development	30	1920	\$408,454	\$371,322
G2050	Landscaping	10	1920	\$198,350	\$180,318
G3010	Water Supply	50	1920	\$34,528	\$31,389
G3020	Sanitary Sewer	50	1920	\$75,667	\$68,788
G3030	Storm Sewer	50	1920	\$33,058	\$30,053
G3040	Heating Distribution	0	1920	\$0	\$0
G3050	Cooling Distribution	0	1920	\$0	\$0
G3060	Fuel Distribution	50	1920	\$0	\$0
G3090	Other Site Mechanical Utilities	0	1920	\$0	\$0
G4010	Electrical Distribution	30	1920	\$93,298	\$84,816
G4020	Site Lighting	30	1920	\$94,767	\$86,152
G4030	Site Communication and Security	30	1920	\$43,343	\$39,403
G4090	Other Site Electrical Utilities	30	1920	\$0	\$0
TOTAL				\$1,365,676	\$1,241,524

2021 Frontier HS Site Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2021 Replacement \$
G1010	Site Clearing	0	1920	\$0	\$0
G1020	Site Demolition and Relocations	0	1920	\$0	\$0
G1030	Site Earthwork	0	1920	\$0	\$0
G1040	Hazardous Waste Remediation	0	1920	\$0	\$0
G2010	Roadways	50	1920	\$130,569	\$118,699
G2020	Parking Lots	50	1920	\$239,652	\$217,865
G2030	Pedestrian Paving	50	1920	\$61,978	\$56,344
G2040	Site Development	30	1920	\$459,470	\$417,700
G2050	Landscaping	10	1920	\$223,124	\$202,840
G3010	Water Supply	50	1920	\$38,840	\$35,309
G3020	Sanitary Sewer	50	1920	\$85,118	\$77,380
G3030	Storm Sewer	50	1920	\$37,187	\$33,807
G3040	Heating Distribution	0	1920	\$0	\$0
G3050	Cooling Distribution	0	1920	\$0	\$0
G3060	Fuel Distribution	50	1920	\$0	\$0
G3090	Other Site Mechanical Utilities	0	1920	\$0	\$0
G4010	Electrical Distribution	30	1920	\$104,950	\$95,410
G4020	Site Lighting	30	1920	\$106,604	\$96,912
G4030	Site Communication and Security	30	1920	\$48,757	\$44,324
G4090	Other Site Electrical Utilities	30	1920	\$0	\$0
TOTAL				\$1,536,249	\$1,396,590

2023 Frontier HS Site Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2023 Replacement \$
G1010	Site Clearing	0	1920	\$0	\$0
G1020	Site Demolition and Relocations	0	1920	\$0	\$0
G1030	Site Earthwork	0	1920	\$0	\$0
G1040	Hazardous Waste Remediation	0	1920	\$0	\$0
G2010	Roadways	50	1920	\$141,225	\$128,386
G2020	Parking Lots	50	1920	\$259,209	\$235,644
G2030	Pedestrian Paving	50	1920	\$67,036	\$60,942
G2040	Site Development	30	1920	\$496,966	\$451,787
G2050	Landscaping	10	1920	\$241,332	\$219,393
G3010	Water Supply	50	1920	\$42,010	\$38,191
G3020	Sanitary Sewer	50	1920	\$92,064	\$83,694
G3030	Storm Sewer	50	1920	\$40,222	\$36,565
G3040	Heating Distribution	0	1920	\$0	\$0
G3050	Cooling Distribution	0	1920	\$0	\$0
G3060	Fuel Distribution	50	1920	\$0	\$0
G3090	Other Site Mechanical Utilities	0	1920	\$0	\$0
G4010	Electrical Distribution	30	1920	\$113,515	\$103,196
G4020	Site Lighting	30	1920	\$115,303	\$104,821
G4030	Site Communication and Security	30	1920	\$52,736	\$47,942
G4090	Other Site Electrical Utilities	30	1920	\$0	\$0
TOTAL				\$1,661,618	\$1,510,562

2028 Frontier HS Site Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2028 Replacement \$
G1010	Site Clearing	0	1920	\$0	\$0
G1020	Site Demolition and Relocations	0	1920	\$0	\$0
G1030	Site Earthwork	0	1920	\$0	\$0
G1040	Hazardous Waste Remediation	0	1920	\$0	\$0
G2010	Roadways	50	1920	\$171,821	\$156,201
G2020	Parking Lots	50	1920	\$315,367	\$286,697
G2030	Pedestrian Paving	50	1920	\$81,560	\$74,145
G2040	Site Development	30	1920	\$604,635	\$549,668
G2050	Landscaping	10	1920	\$293,617	\$266,925
G3010	Water Supply	50	1920	\$51,112	\$46,465
G3020	Sanitary Sewer	50	1920	\$112,010	\$101,827
G3030	Storm Sewer	50	1920	\$48,936	\$44,487
G3040	Heating Distribution	0	1920	\$0	\$0
G3050	Cooling Distribution	0	1920	\$0	\$0
G3060	Fuel Distribution	50	1920	\$0	\$0
G3090	Other Site Mechanical Utilities	0	1920	\$0	\$0
G4010	Electrical Distribution	30	1920	\$138,108	\$125,553
G4020	Site Lighting	30	1920	\$140,284	\$127,531
G4030	Site Communication and Security	30	1920	\$64,161	\$58,328
G4090	Other Site Electrical Utilities	30	1920	\$0	\$0
TOTAL				\$2,021,611	\$1,837,828

Elizabeth MS Deficiency Totals

2018 Deficiency Totals	\$14,348,753
2021 Deficiency Totals	\$16,140,912
2023 Deficiency Totals	\$17,458,128
2028 Deficiency Totals	\$21,240,459

Elizabeth MS Building 1978 Building Assessment

Uniformat	Description	Life	Installed	2018 Deficiency \$	Replacement \$	Notes
A1010	Standard Foundations	100	1978	\$0	\$235,710	
A1020	Special Foundations	100	1978	\$0	\$12,047	
A1030	Slab on Grade	100	1978	\$0	\$202,449	
A2010	Basement Excavation	100	1978	\$0	\$0	
A2020	Basement Walls	100	1978	\$0	\$0	
B1010	Floor Construction	100	1978	\$0	\$0	
B1020	Roof Construction	100	1978	\$0	\$386,041	
						Stucco is in Good Condition; Metal Fascia good Condition; Wood Siding Accents Need to be replaced; No Insulation in Exterior Walls;
B2010	Exterior Walls	100	1978	\$0	\$411,969	Gym has metal wall panels - not insulated
B2020	Exterior Windows	30	1978	\$298,749	\$271,590	Single pane glass in HM frames; Few-1980's vintage
B2030	Exterior Doors	30	1978	\$25,064	\$22,785	
B3010	Roof Coverings	20	2005	\$0	\$504,419	Metal Roof - 1984; BUR 2005-2009
B3020	Roof Openings	30	1978	\$19,302	\$17,547	
C1010	Partitions	40	1978	\$103,555	\$172,592	
C1020	Interior Doors	40	1978	\$88,417	\$110,522	
C1030	Fittings	20	1978	\$95,934	\$87,213	
C2010	Stair Construction	100	1978	\$0	\$0	
C3010	Wall Finishes	20	1978	\$163,635	\$148,759	
C3020	Floor Finishes	20	1978	\$316,035	\$287,304	
C3030	Ceiling Finishes	20	1978	\$303,935	\$276,305	
D1010	Elevators and Lifts	30	1978	\$0	\$0	
D1020	Escalators and Moving Walks	30	1978	\$0	\$0	
D1090	Other Conveying Systems	30	1978	\$0	\$0	
D2010	Plumbing Fixtures	30	1978	\$231,912	\$210,830	Functional - Not ADA
D2020	Domestic Water Distribution	30	1978	\$25,352	\$23,047	
D2030	Sanitary Waste	30	1978	\$61,939	\$56,309	
D2040	Rain Water Drainage	30	1978	\$14,405	\$13,095	
D2090	Other Plumbing Systems	20	1978	\$20,166	\$18,333	
D3010	Energy Supply	30	1978	\$0	\$0	
D3020	Heat Generating Systems	30	1978	\$0	\$0	
D3030	Cooling Generating Systems	30	1978	\$0	\$0	
D3040	Distribution Systems	30	1978	\$354,063	\$321,875	(25) RTU's Constant volume gas fired w/ DX cooling; (5) are 1978;
D3050	Terminal & Package Units	15	1988	\$681,791	\$909,055	(8) are 1986; (9) are 2011; (3) are 2014
D3060	Controls & Instrumentation	20	1978	\$79,513	\$72,284	Stand Alone T-stat/rtu
D3070	Systems Testing & Balance	30	1978	\$22,759	\$20,690	
D3090	Other HVAC Systems/Equip	30	1978	\$0	\$0	
D4010	Sprinklers	30	1978	\$144,621	\$131,474	
D4020	Standpipes	30	1978	\$0	\$0	
D4030	Fire Protection Specialties	15	1978	\$4,033	\$3,667	
D4090	Other Fire Protection Systems	15	1994	\$19,878	\$18,071	
D5010	Electrical Service/Distribution	30	1978	\$71,446	\$64,951	
D5020	Lighting and Branch Wiring	30	1978	\$347,201	\$385,779	Ballasts replaced and T-8's in 2005
D5030	Communications and Security	20	1998	\$151,535	\$137,759	Orig. Clock/Intercom Speaker System
						Battery Back-up EM system not functioning; May not have EM
D5090	Other Electrical Systems	15	1978	\$13,540	\$12,309	lighting
E1020	Institutional Equipment	20	1978	\$4,033	\$3,667	
E1030	Vehicular Equipment	20	1978	\$0	\$0	
E1090	Other Equipment	20	1978	\$29,961	\$27,238	
E2010	Fixed Furnishings	20	1978	\$73,175	\$66,523	
F1010	Special Structures	20	1978	\$0	\$0	
F1020	Integrated Construction	20	1978	\$0	\$0	
F1030	Special Construction Systems	20	1978	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
	2018 TOTAL			\$3,799,105	\$5,644,208	
	2021 TOTAL			\$4,273,612.71	\$6,349,169.58	
	2023 TOTAL			\$4,622,370.51	\$6,867,307.87	
	2028 TOTAL			\$5,623,814.47	\$8,355,121.10	

Elizabeth MS 1984 Building Addition Assessment

Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$	Notes
A1010	Standard Foundations	100	1984	\$0	\$262,738	
A1020	Special Foundations	100	1984	\$0	\$13,540	
A1030	Slab on Grade	100	1984	\$0	\$225,863	
A2010	Basement Excavation	100	1984	\$0	\$0	
A2020	Basement Walls	100	1984	\$0	\$0	
B1010	Floor Construction	100	1984	\$0	\$0	
B1020	Roof Construction	100	1984	\$0	\$430,406	
						Stucco is in Good Condition; Metal Fascia good Condition; Wood Siding Accents Need to be replaced; No Insulation in Exterior Walls;
B2010	Exterior Walls	100	1984	\$0	\$459,792	Gym has metal wall panels - not insulated
B2020	Exterior Windows	30	1984	\$332,744	\$302,495	Single pane glass in HM frames; Few-1980's vintage
B2030	Exterior Doors	30	1984	\$27,887	\$25,352	
B3010	Roof Coverings	20	1984	\$618,904	\$562,640	Metal Roof -1984; BUR 2005-2009
B3020	Roof Openings	30	1984	\$0	\$0	
C1010	Partitions	40	1984	\$0	\$192,156	
C1020	Interior Doors	40	1984	\$0	\$123,014	
C1030	Fittings	20	1984	\$106,795	\$97,086	
C2010	Stair Construction	100	1984	\$0	\$0	
C3010	Wall Finishes	20	2006	\$0	\$165,940	
C3020	Floor Finishes	20	1984	\$352,709	\$320,644	
C3030	Ceiling Finishes	20	1984	\$339,082	\$308,256	
D1010	Elevators and Lifts	30	1984	\$0	\$0	
D1020	Escalators and Moving Walks	30	1984	\$0	\$0	
D1090	Other Conveying Systems	30	1984	\$0	\$0	
D2010	Plumbing Fixtures	30	1984	\$258,590	\$235,081	Functional - Not ADA
D2020	Domestic Water Distribution	30	1984	\$27,887	\$25,352	
D2030	Sanitary Waste	30	1984	\$69,084	\$62,804	
D2040	Rain Water Drainage	30	1984	\$16,162	\$14,693	
D2090	Other Plumbing Systems	20	1984	\$22,500	\$20,454	
D3010	Energy Supply	30	1984	\$0	\$0	
D3020	Heat Generating Systems	30	1984	\$0	\$0	
D3030	Cooling Generating Systems	30	1984	\$0	\$0	
D3040	Distribution Systems	30	1984	\$394,856	\$358,960	(25) RTU's Constant volume gas fired w/ DX cooling; (5) are 1978;
D3050	Terminal & Package Units	15	1984	\$760,126	\$1,013,501	(8) are 1986; (9) are 2011; (3) are 2014
D3060	Controls & Instrumentation	20	1984	\$88,415	\$80,377	Stand Alone T-stat/rtu
D3070	Systems Testing & Balance	30	1984	\$25,035	\$22,759	
D3090	Other HVAC Systems/Equip	30	1984	\$0	\$0	
D4010	Sprinklers	30	1984	\$161,935	\$147,214	No fire suppression
D4020	Standpipes	30	1984	\$0	\$0	
D4030	Fire Protection Specialties	15	1984	\$4,437	\$4,033	
D4090	Other Fire Protection Systems	15	1984	\$0	\$0	
D5010	Electrical Service/Distribution	30	1984	\$79,542	\$72,311	
D5020	Lighting and Branch Wiring	30	1984	\$387,106	\$430,118	Ballasts replaced and T-8's in 2005
D5030	Communications and Security	20	1998	\$168,590	\$153,264	Orig. Clock/Intercom Speaker System Battery Back-up EM system not functioning; May not have EM lighting
D5090	Other Electrical Systems	15	1984	\$15,211	\$13,828	
E1020	Institutional Equipment	20	1984	\$0	\$0	
E1030	Vehicular Equipment	20	1984	\$0	\$0	
E1090	Other Equipment	20	1984	\$0	\$0	
E2010	Fixed Furnishings	20	1984	\$81,443	\$74,039	
F1010	Special Structures	20	1984	\$0	\$0	
F1020	Integrated Construction	20	1984	\$0	\$0	
F1030	Special Construction Systems	20	1984	\$0	\$0	
F1040	Special Facilities	20	1984	\$0	\$0	
	2018 TOTAL			\$4,339,040	\$6,218,710	
	2021 TOTAL			\$4,880,986	\$6,995,427	
	2023 TOTAL			\$5,279,310	\$7,566,304	
	2028 TOTAL			\$6,423,081	\$9,205,556	

Elizabeth MS 1988 Building Addition Assessment

Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$	Notes
A1010	Standard Foundations	100	1988	\$0	\$287,435	
A1020	Special Foundations	100	1988	\$0	\$14,405	
A1030	Slab on Grade	100	1988	\$0	\$246,841	
A2010	Basement Excavation	100	1988	\$0	\$0	
A2020	Basement Walls	100	1988	\$0	\$0	
B1010	Floor Construction	100	1988	\$0	\$0	
B1020	Roof Construction	100	1988	\$0	\$470,438	
						Stucco is in Good Condition; Metal Fascia good Condition; Wood Siding Accents Need to be replaced; No insulation in Exterior Walls;
B2010	Exterior Walls	100	1988	\$0	\$501,866	Gym has metal wall panels - not insulated
B2020	Exterior Windows	30	1988	\$364,074	\$330,976	Single pane glass in HM frames; Few-1980's vintage
B2030	Exterior Doors	30	1988	\$30,610	\$27,827	
B3010	Roof Coverings	20	2008	\$0	\$614,810	Metal Roof -1984; BUR 2005-2009
B3020	Roof Openings	30	1988	\$0	\$0	
C1010	Partitions	40	1988	\$0	\$209,847	
C1020	Interior Doors	40	1988	\$0	\$134,879	
C1030	Fittings	20	1988	\$117,037	\$106,397	
C2010	Stair Construction	100	1988	\$0	\$0	
C3010	Wall Finishes	20	1988	\$199,142	\$181,038	
C3020	Floor Finishes	20	1988	\$385,680	\$350,619	
C3030	Ceiling Finishes	20	1988	\$370,196	\$336,542	
D1010	Elevators and Lifts	30	1988	\$0	\$0	
D1020	Escalators and Moving Walks	30	1988	\$0	\$0	
D1090	Other Conveying Systems	30	1988	\$0	\$0	
D2010	Plumbing Fixtures	30	1988	\$282,688	\$256,989	Functional - Not ADA
D2020	Domestic Water Distribution	30	1988	\$30,970	\$28,154	
D2030	Sanitary Waste	30	1988	\$75,624	\$68,749	
D2040	Rain Water Drainage	30	1988	\$17,646	\$16,041	
D2090	Other Plumbing Systems	20	1988	\$24,848	\$22,589	
D3010	Energy Supply	30	1988	\$0	\$0	
D3020	Heat Generating Systems	30	1988	\$0	\$0	
D3030	Cooling Generating Systems	30	1988	\$275,126	\$250,115	
D3040	Distribution Systems	30	1988	\$431,415	\$392,195	
						(25) RTU's Constant volume gas fired w/ DX cooling; (5) are 1978; (8) are 1986; (9) are 2011; (3) are 2014
D3050	Terminal & Package Units	15	1988	\$830,633	\$1,107,510	
D3060	Controls & Instrumentation	20	1988	\$96,870	\$88,064	Stand Alone T-stat/rtu
D3070	Systems Testing & Balance	30	1988	\$27,729	\$25,208	
D3090	Other HVAC Systems/Equip	30	1988	\$0	\$0	
D4010	Sprinklers	30	1988	\$176,815	\$160,741	No fire suppression
D4020	Standpipes	30	1988	\$0	\$0	
D4030	Fire Protection Specialties	15	1988	\$5,042	\$4,583	
D4090	Other Fire Protection Systems	15	1988	\$0	\$0	
D5010	Electrical Service/Distribution	30	1988	\$87,147	\$79,225	
D5020	Lighting and Branch Wiring	30	1988	\$422,805	\$469,783	Ballasts replaced and T-8's in 2005
D5030	Communications and Security	20	1998	\$184,017	\$167,289	Orig. Clock/Intercom Speaker System Battery Back-up EM system not functioning; May not have EM lighting
D5090	Other Electrical Systems	15	1988	\$16,565	\$15,059	
E1020	Institutional Equipment	20	1988	\$4,321	\$3,929	
E1030	Vehicular Equipment	20	1988	\$0	\$0	
E1090	Other Equipment	20	1988	\$36,371	\$33,065	
E2010	Fixed Furnishings	20	1988	\$88,948	\$80,862	
F1010	Special Structures	20	1988	\$0	\$0	
F1020	Integrated Construction	20	1988	\$0	\$0	
F1030	Special Construction Systems	20	1988	\$0	\$0	
F1040	Special Facilities	20	1988	\$0	\$0	
	2018 TOTAL			\$4,582,318	\$7,084,070	
	2021 TOTAL			\$5,154,650	\$7,968,870	
	2023 TOTAL			\$5,575,307	\$8,619,188	
	2028 TOTAL			\$6,783,206	\$10,486,549	

Elizabeth MS Site Assessment

Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$	Notes
G1010	Site Clearing	0	1978	\$0	\$0	
G1020	Site Demolition and Relocations	0	1978	\$0	\$0	
G1030	Site Earthwork	0	1978	\$0	\$0	
G1040	Hazardous Waste Remediation	0	1978	\$0	\$0	
G2010	Roadways	50	1978	\$152,486	\$138,624	Have not performed well; need to be replaced
G2020	Parking Lots	50	1978	\$279,880	\$254,436	Have not performed well; need to be replaced
G2030	Pedestrian Paving	50	1978	\$72,382	\$65,802	Have not performed well; need to be replaced
G2040	Site Development	30	1978	\$551,913	\$487,815	
G2050	Landscaping	10	1978	\$260,577	\$236,889	very minimal - baseball and soccer fields in good condition
G3010	Water Supply	50	1978	\$0	\$41,236	
G3020	Sanitary Sewer	50	1978	\$0	\$90,369	
G3030	Storm Sewer	50	1978	\$0	\$39,481	
G3040	Heating Distribution	0	1978	\$0	\$0	
G3050	Cooling Distribution	0	1978	\$0	\$0	
G3060	Fuel Distribution	50	1978	\$0	\$0	
G3090	Other Site Mechanical Utilities	0	1978	\$0	\$0	
G4010	Electrical Distribution	30	1988	\$122,568	\$111,425	
G4020	Site Lighting	30	1978	\$124,498	\$113,180	Only (2) pole mounted lights - need additional
G4030	Site Communication and Security	30	1978	\$63,986	\$51,765	
G4090	Other Site Electrical Utilities	30	1988	\$0	\$0	
2018 TOTAL				\$1,628,290	\$1,631,022	
2021 TOTAL				\$1,831,664	\$1,834,737	
2023 TOTAL				\$1,981,141	\$1,984,464	
2028 TOTAL				\$2,410,358	\$2,414,402	

2028 Singing Hills ES Deficiency Totals

2018 Deficiency TOTAL	\$6,950,218
2021 Deficiency TOTAL	\$7,818,300
2023 Deficiency TOTAL	\$8,456,330
2028 Deficiency TOTAL	\$15,974,072

Singing Hills ES Building Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2018 Replacement \$	Notes
A1010	Standard Foundations	100	1995	\$0	\$503,869	
A1020	Special Foundations	100	1995	\$0	\$24,985	
A1030	Slab on Grade	100	1995	\$172,676	\$431,690	SOG is settling in many locations
A2010	Basement Excavation	100	1995	\$0	\$0	
A2020	Basement Walls	100	1995	\$0	\$0	
B1010	Floor Construction	100	1995	\$0	\$0	
B1020	Roof Construction	100	1995	\$0	\$825,902	
						Exterior caulking and block sealer needs to be replaced/applied
B2010	Exterior Walls	100	1995	\$110,000	\$881,424	
B2020	Exterior Windows	30	1995	\$348,128	\$580,213	Operable windows do not function
B2030	Exterior Doors	30	1995	\$0	\$49,971	
B3010	Roof Coverings	20	2016	\$0	\$1,078,530	Roof Replaced in 2016
B3020	Roof Openings	30	1995	\$41,226	\$37,478	
C1010	Partitions	40	1995	\$0	\$368,533	
C1020	Interior Doors	40	1995	\$0	\$236,666	
C1030	Fittings	20	1995	\$205,365	\$186,695	
C2010	Stair Construction	100	1995	\$0	\$0	
C3010	Wall Finishes	20	1995	\$350,418	\$318,562	
C3020	Floor Finishes	20	1995	\$671,826	\$671,826	New carpet in library
C3030	Ceiling Finishes	20	1995	\$649,686	\$590,624	
D1010	Elevators and Lifts	30	1995	\$0	\$0	
D1020	Escalators and Moving Walks	30	1995	\$0	\$0	
D1090	Other Conveying Systems	30	1995	\$0	\$0	
D2010	Plumbing Fixtures	30	1995	\$0	\$449,735	New water heater in 2013
D2020	Domestic Water Distribution	30	1995	\$0	\$49,276	
D2030	Sanitary Waste	30	1995	\$0	\$119,374	
D2040	Rain Water Drainage	30	1995	\$0	\$27,067	
D2090	Other Plumbing Systems	20	1995	\$44,279	\$40,254	
D3010	Energy Supply	30	1995	\$0	\$0	
D3020	Heat Generating Systems	30	1995	\$0	\$267,203	2-pipe system w/ fancoil units
D3030	Cooling Generating Systems	30	1995	\$487,837	\$443,488	Facility has cooling in the main office only
D3040	Distribution Systems	30	1995	\$0	\$688,483	Control valves and actuators replaced in 2017
D3050	Terminal & Package Units	15	2004	\$2,138,391	\$1,943,992	
D3060	Controls & Instrumentation	20	1995	\$171,010	\$155,464	
D3070	Systems Testing & Balance	30	1995	\$0	\$43,724	
D3090	Other HVAC Systems/Equip	30	1995	\$0	\$0	
D4010	Sprinklers	30	1995	\$0	\$281,084	Fire pump, and well water storage tank
D4020	Standpipes	30	1995	\$0	\$0	
D4030	Fire Protection Specialties	15	1995	\$7,634	\$6,940	
D4090	Other Fire Protection Systems	15	1995	\$42,753	\$38,866	
D5010	Electrical Service/Distribution	30	1995	\$0	\$138,113	
D5020	Lighting and Branch Wiring	30	1995	\$0	\$825,208	
D5030	Communications and Security	20	2006	\$0	\$293,577	
D5090	Other Electrical Systems	15	1995	\$29,011	\$26,373	
E1020	Institutional Equipment	20	1995	\$7,634	\$6,940	
E1030	Vehicular Equipment	20	1995	\$0	\$0	
E1090	Other Equipment	20	1995	\$63,365	\$57,605	
E2010	Fixed Furnishings	20	1995	\$154,978	\$140,889	
F1010	Special Structures	20	1995	\$0	\$0	
F1020	Integrated Construction	20	1995	\$0	\$0	
F1030	Special Construction Systems	20	1995	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
2018 TOTALS				\$5,729,372	\$12,830,623	
2021 TOTALS				\$6,444,971	\$14,433,168	
2023 TOTALS				\$6,970,927	\$15,611,019	

2028 Singing Hills ES Building Assessment

Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$	Notes
A1010	Standard Foundations	100	1995	\$0	\$745,877	
A1020	Special Foundations	100	1995	\$0	\$36,985	
A1030	Slab on Grade	100	1995	\$255,612	\$639,031	SOG is settling in many locations
A2010	Basement Excavation	100	1995	\$0	\$0	
A2020	Basement Walls	100	1995	\$0	\$0	
B1010	Floor Construction	100	1995	\$0	\$0	
B1020	Roof Construction	100	1995	\$0	\$1,222,583	
						Exterior caulking and block sealer needs to be replaced/applied
B2010	Exterior Walls	100	1995	\$110,000	\$1,304,772	
B2020	Exterior Windows	30	1995	\$944,778	\$858,889	Operable windows do not function
B2030	Exterior Doors	30	1995	\$81,369	\$73,972	
B3010	Roof Coverings	20	2016	\$0	\$1,596,548	Roof Replaced in 2016
B3020	Roof Openings	30	1995	\$61,027	\$55,479	
C1010	Partitions	40	1995	\$0	\$545,539	
C1020	Interior Doors	40	1995	\$0	\$350,337	
C1030	Fittings	20	1995	\$304,001	\$276,365	
C2010	Stair Construction	100	1995	\$0	\$0	
C3010	Wall Finishes	20	1995	\$518,724	\$471,567	
C3020	Floor Finishes	20	1995	\$1,093,954	\$994,504	New carpet in library
C3030	Ceiling Finishes	20	1995	\$961,731	\$874,301	
D1010	Elevators and Lifts	30	1995	\$0	\$0	
D1020	Escalators and Moving Walks	30	1995	\$0	\$0	
D1090	Other Conveying Systems	30	1995	\$0	\$0	
D2010	Plumbing Fixtures	30	1995	\$699,030	\$665,743	New water heater in 2013
D2020	Domestic Water Distribution	30	1995	\$80,238	\$72,943	
D2030	Sanitary Waste	30	1995	\$194,380	\$176,709	
D2040	Rain Water Drainage	30	1995	\$44,074	\$40,067	
D2090	Other Plumbing Systems	20	1995	\$65,547	\$59,588	
D3010	Energy Supply	30	1995	\$0	\$0	
D3020	Heat Generating Systems	30	1995	\$435,095	\$395,541	2-pipe system w/ fancoil units
D3030	Cooling Generating Systems	30	1995	\$722,145	\$656,495	Facility has cooling in the main office only
D3040	Distribution Systems	30	1995	\$1,121,078	\$1,019,161	Control valves and actuators replaced in 2017
D3050	Terminal & Package Units	15	1995	\$3,165,460	\$2,877,691	
D3060	Controls & Instrumentation	20	1995	\$253,147	\$230,133	
D3070	Systems Testing & Balance	30	1995	\$71,197	\$64,725	
D3090	Other HVAC Systems/Equip	30	1995	\$0	\$0	
D4010	Sprinklers	30	1995	\$457,698	\$416,089	Fire pump, and well water storage tank
D4020	Standpipes	30	1995	\$0	\$0	
D4030	Fire Protection Specialties	15	1995	\$11,301	\$10,273	
D4090	Other Fire Protection Systems	15	1995	\$63,287	\$57,533	
D5010	Electrical Service/Distribution	30	1995	\$224,894	\$204,449	
D5020	Lighting and Branch Wiring	30	1995	\$1,343,711	\$1,221,555	
D5030	Communications and Security	20	2006	\$478,040	\$434,582	
D5090	Other Electrical Systems	15	1995	\$42,944	\$39,040	
E1020	Institutional Equipment	20	1995	\$11,301	\$10,273	
E1030	Vehicular Equipment	20	1995	\$0	\$0	
E1090	Other Equipment	20	1995	\$93,800	\$85,273	
E2010	Fixed Furnishings	20	1995	\$229,414	\$208,558	
F1010	Special Structures	20	1995	\$0	\$0	
F1020	Integrated Construction	20	1995	\$0	\$0	
F1030	Special Construction Systems	20	1995	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
2028 TOTALS				\$14,172,129	\$18,993,171	

Singing Hills ES Site Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2018 Replacement \$	
G1010	Site Clearing	0	1995	\$0	\$0	
G1020	Site Demolition and Relocations	0	1995	\$0	\$0	
G1030	Site Earthwork	0	1995	\$0	\$0	
G1040	Hazardous Waste Remediation	0	1995	\$0	\$0	
G2010	Roadways	50	1995	\$120,624	\$109,658	Site Paving is not performing well, needs to be replaced
G2020	Parking Lots	50	1995	\$221,397	\$201,270	Site Paving is not performing well, needs to be replaced
G2030	Pedestrian Paving	50	1995	\$57,258	\$52,053	Site Paving is not performing well, needs to be replaced
G2040	Site Development	30	1995	\$8,494	\$385,883	
G2050	Landscaping	10	1995	\$206,128	\$187,389	
G3010	Water Supply	50	1995	\$0	\$32,620	
G3020	Sanitary Sewer	50	1995	\$541,278	\$492,071	
G3030	Storm Sewer	50	1995	\$0	\$31,232	
G3040	Heating Distribution	0	1995	\$0	\$0	
G3050	Cooling Distribution	0	1995	\$0	\$0	
G3060	Fuel Distribution	50	1995	\$0	\$0	
G3090	Other Site Mechanical Utilities	0	1995	\$0	\$0	
G4010	Electrical Distribution	30	1995	\$0	\$88,142	
G4020	Site Lighting	30	1995	\$58,622	\$89,531	
G4030	Site Communication and Security	30	1995	\$7,045	\$40,948	
G4090	Other Site Electrical Utilities	30	1995	\$0	\$0	
2018 TOTALS				\$1,220,846	\$1,710,797	
2021 TOTALS				\$1,373,330	\$1,924,476	
2023 TOTALS				\$1,485,403	\$2,081,527	

2028 Singing Hills Site Assessment

Uniformat	Description	Life	Installed	Deficiency \$	2028 Replacement \$	
G1010	Site Clearing	0	1995	\$0	\$0	
G1020	Site Demolition and Relocations	0	1995	\$0	\$0	
G1030	Site Earthwork	0	1995	\$0	\$0	
G1040	Hazardous Waste Remediation	0	1995	\$0	\$0	
G2010	Roadways	50	1995	\$178,559	\$162,327	Site Paving is not performing well, needs to be replaced
G2020	Parking Lots	50	1995	\$327,734	\$297,940	Site Paving is not performing well, needs to be replaced
G2030	Pedestrian Paving	50	1995	\$84,759	\$77,054	Site Paving is not performing well, needs to be replaced
G2040	Site Development	30	1995	\$8,494	\$571,223	
G2050	Landscaping	10	1995	\$305,131	\$277,392	
G3010	Water Supply	50	1995	\$0	\$48,287	
G3020	Sanitary Sewer	50	1995	\$541,278	\$728,413	Septic System needs to be replaced with water treatment facility
G3030	Storm Sewer	50	1995	\$0	\$46,233	
G3040	Heating Distribution	0	1995	\$0	\$0	
G3050	Cooling Distribution	0	1995	\$0	\$0	
G3060	Fuel Distribution	50	1995	\$0	\$0	
G3090	Other Site Mechanical Utilities	0	1995	\$0	\$0	
G4010	Electrical Distribution	30	1995	\$143,524	\$130,477	
G4020	Site Lighting	30	1995	\$145,786	\$132,533	
G4030	Site Communication and Security	30	1995	\$66,677	\$60,615	
G4090	Other Site Electrical Utilities	30	1995	\$0	\$0	
2028 TOTALS				\$1,801,943	\$2,532,493	

Running Creek ES Deficiency Totals

2018 Deficiency Total	\$11,762,864
2021 Deficiency Total	\$13,232,045
2023 Deficiency Total	\$14,311,876
2028 Deficiency Total	\$17,412,567

Running Creek ES Building Assessment

Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$	Notes
A1010	Standard Foundations	100	1988	\$0	\$570,418	
A1020	Special Foundations	100	1988	\$0	\$28,285	
A1030	Slab on Grade	100	1988	\$0	\$488,705	
A2010	Basement Excavation	100	1988	\$0	\$0	
A2020	Basement Walls	100	1988	\$0	\$0	
B1010	Floor Construction	100	1988	\$0	\$0	
B1020	Roof Construction	100	1988	\$0	\$934,983	
B2010	Exterior Walls	100	1988	\$0	\$997,839	Lack Insulation
B2020	Exterior Windows	30	1988	\$722,530	\$656,845	AL Storefront with Insulated Glass
B2030	Exterior Doors	30	1988	\$62,227	\$56,570	
B3010	Roof Coverings	20	2007	\$0	\$1,220,978	
B3020	Roof Openings	30	1988	\$46,671	\$42,428	
C1010	Partitions	40	1988	\$0	\$417,207	All walls are CMU
C1020	Interior Doors	40	1988	\$80,377	\$267,924	Mostly door knobs - not ADA
C1030	Fittings	20	1988	\$232,489	\$211,353	
C2010	Stair Construction	100	1988	\$0	\$0	
C3010	Wall Finishes	20	1988	\$396,700	\$360,636	
C3020	Floor Finishes	20	1988	\$608,446	\$760,558	Corridor Carpet recently replaced
C3030	Ceiling Finishes	20	1988	\$735,494	\$668,631	
D1010	Elevators and Lifts	30	1988	\$0	\$0	
D1020	Escalators and Moving Walks	30	1988	\$0	\$0	
D1090	Other Conveying Systems	30	1988	\$0	\$0	
D2010	Plumbing Fixtures	30	1988	\$560,047	\$509,134	
D2020	Domestic Water Distribution	30	1988	\$61,363	\$55,785	
D2030	Sanitary Waste	30	1988	\$148,654	\$135,140	
D2040	Rain Water Drainage	30	1988	\$33,707	\$30,642	
D2090	Other Plumbing Systems	20	1988	\$50,128	\$45,571	
D3010	Energy Supply	30	1988	\$0	\$0	
D3020	Heat Generating Systems	30	1988	\$332,744	\$302,495	Boilers functioning well
D3030	Cooling Generating Systems	30	1988	\$552,269	\$502,062	
D3040	Distribution Systems	30	1988	\$857,356	\$779,414	
D3050	Terminal & Package Units	15	1988	\$2,420,820	\$2,200,746	Hydronic Fan Coil in each room; (2) RTU's each wing
D3060	Controls & Instrumentation	20	2008	\$0	\$175,997	
D3070	Systems Testing & Balance	30	1988	\$54,449	\$49,499	
D3090	Other HVAC Systems/Equip	30	1988	\$0	\$0	
D4010	Sprinklers	30	1988	\$350,029	\$318,209	
D4020	Standpipes	30	1988	\$0	\$0	
D4030	Fire Protection Specialties	15	1988	\$8,643	\$7,857	
D4090	Other Fire Protection Systems	15	1988	\$48,399	\$43,999	
D5010	Electrical Service/Distribution	30	1988	\$171,990	\$156,354	
D5020	Lighting and Branch Wiring	30	1988	\$1,027,617	\$934,197	T-12's Throughout
D5030	Communications and Security	20	1988	\$365,586	\$332,351	
D5090	Other Electrical Systems	15	1988	\$32,842	\$29,857	
E1020	Institutional Equipment	20	1988	\$8,643	\$7,857	
E1030	Vehicular Equipment	20	1988	\$0	\$0	
E1090	Other Equipment	20	1988	\$71,734	\$65,213	
E2010	Fixed Furnishings	20	1988	\$175,447	\$159,497	
F1010	Special Structures	20	1988	\$0	\$0	
F1020	Integrated Construction	20	1988	\$0	\$0	
F1030	Special Construction Systems	20	1988	\$0	\$0	
F1040910	Special Construction, EACH			\$33,155	\$0	
2018 Total				\$10,250,557	\$14,525,236	
2021 Total				\$11,530,851	\$16,339,438	
2023 Total				\$12,471,852	\$17,672,855	
2028 Total				\$15,173,899	\$21,501,707	

Running Creek ES Site Assessment

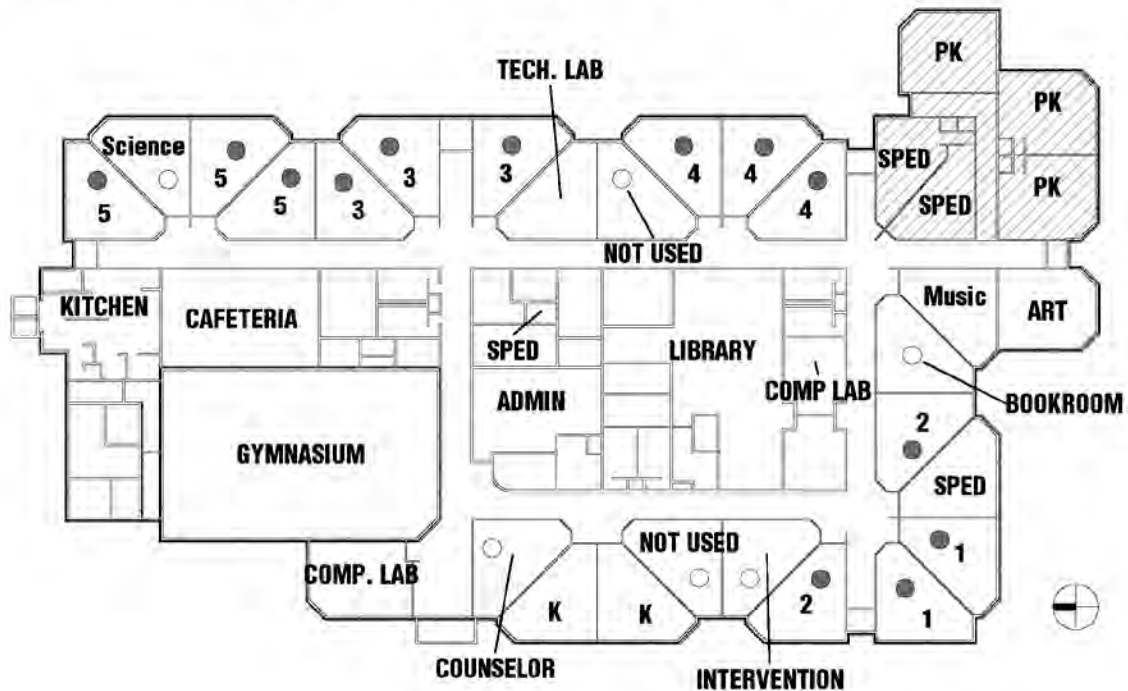
Uniformat	Description	Life	Installed	Deficiency \$	Replacement \$	Notes
G1010	Site Clearing	0	1988	\$0	\$0	
G1020	Site Demolition and Relocations	0	1988	\$0	\$0	
G1030	Site Earthwork	0	1988	\$0	\$0	
G1040	Hazardous Waste Remediation	0	1988	\$0	\$0	
G2010	Roadways	50	1988	\$136,555	\$124,141	Not Performing Well; Need to be replaced
G2020	Parking Lots	50	1988	\$250,638	\$227,853	Not Performing Well; Need to be replaced
G2030	Pedestrian Paving	50	1988	\$64,821	\$58,928	Not Performing Well; Need to be replaced
G2040	Site Development	30	1988	\$489,028	\$436,849	
G2050	Landscaping	10	1988	\$233,353	\$212,139	
G3010	Water Supply	50	1988	\$0	\$36,928	
G3020	Sanitary Sewer	50	1988	\$0	\$80,927	
G3030	Storm Sewer	50	1988	\$0	\$35,357	
G3040	Heating Distribution	0	1988	\$0	\$0	
G3050	Cooling Distribution	0	1988	\$0	\$0	
G3060	Fuel Distribution	50	1988	\$0	\$23,571	
G3090	Other Site Mechanical Utilities	0	1988	\$0	\$0	
G4010	Electrical Distribution	30	1988	\$109,762	\$99,784	
G4020	Site Lighting	30	1988	\$170,113	\$101,355	
G4030	Site Communication and Security	30	1988	\$58,037	\$46,356	
G4090	Other Site Electrical Utilities	30	1988	\$0	\$0	
2018 Total				\$1,512,307	\$1,484,188	
2021 Total				\$1,701,194	\$1,669,563	
2023 Total				\$1,840,024	\$1,805,812	
2028 Total				\$2,238,668	\$2,197,043	

APPENDIX F: CAPACITY ANALYSIS



Elizabeth School District
Facility Master Plan

2017 Utilization/Capacity floor plan for Running Creek Elementary School:



Not included in Calculations (Pre-K)

2017-2018 K-5 Capacity

K	Kindergarten:	2x24=	48
●	1-3 Classrooms:	7x25=	175
●	4-5 Classrooms:	6x28=	168
			2017-2018 Running Creek Capacity
			391

Potential Capacity

K	Kindergarten:	2x24=	48
●	1-3 Classrooms:	7x25=	175
●	4-5 Classrooms:	6x28=	168
○	Potential CR:	6x25=	150
			2017-2018 Capacity
			541

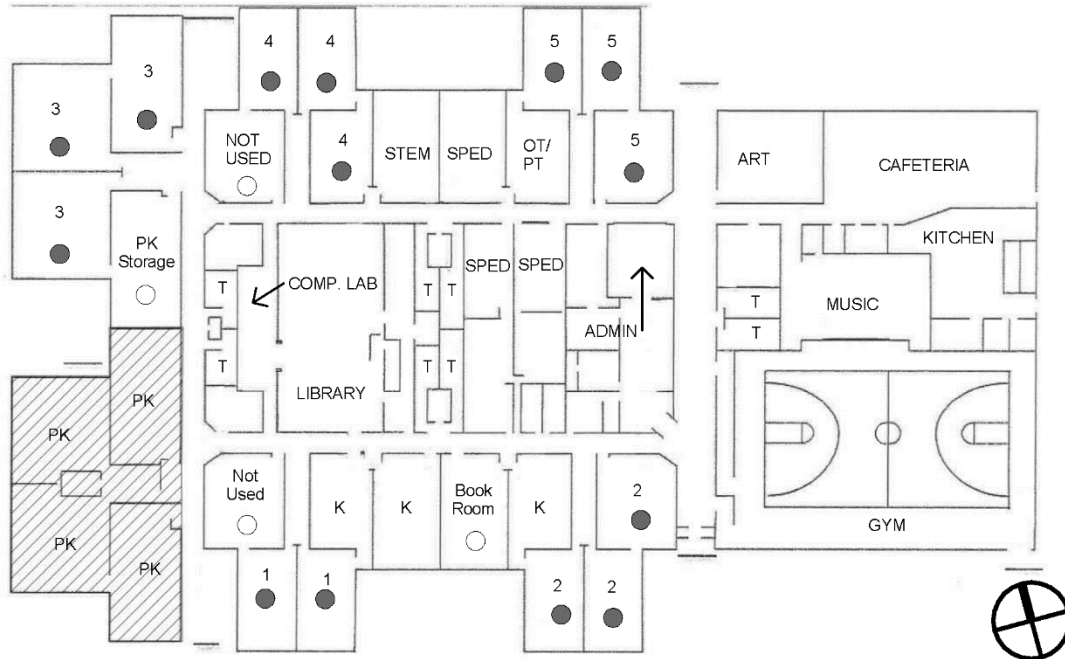
2017 K-5 October Enrollment: 314

1 Running Creek E.S. Capacity
NOT TO SCALE



Elizabeth School District
 Facility Master Plan

2017 Utilization/Capacity floor plan for Singing Hills Elementary School:



NOT INCLUDED IN CALCULATIONS (PRE-K)

2016-2017 K-5 Capacity

K	Kindergarten:	3x24=	72
●	1-3 Classrooms:	8x25=	200
●	4-5 Classrooms:	6x28=	168
			<hr/>
			2017-18 K-5 Capacity
			440

Potential Capacity:

K	Kindergarten:	3x24=	72
●	1-3 Classrooms:	8x25=	200
●	4-5 Classrooms:	6x28=	168
○	Potential CR	4x25=	100
			<hr/>
			2017-18 Capacity
			540

2017 K-5 October Enrollment: 392

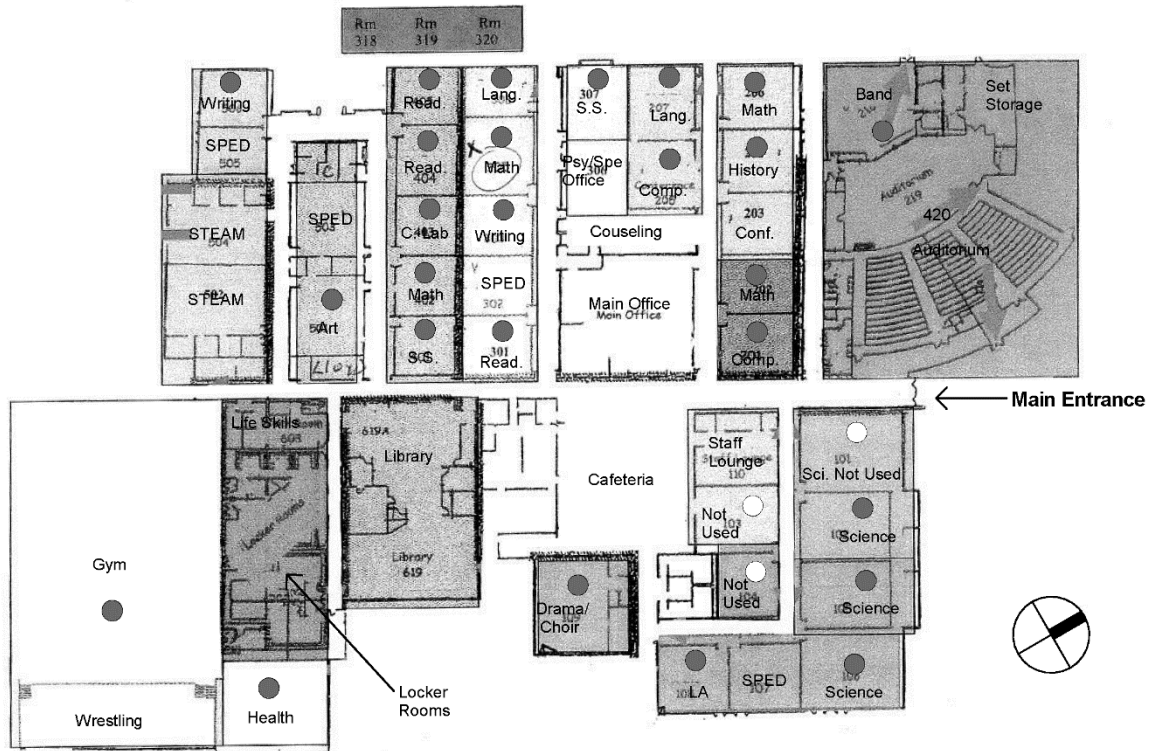
1 Singing Hills E.S. Capacity
 NOT TO SCALE

1/15/2018 9:18:43 AM
 Y:\SD-Elizabeth\PLANNING\Master Planning\ES- Singing Hills\Singing Hills ES.rvt



Elizabeth School District
Facility Master Plan

2017 Utilization/Capacity floor plan for Elizabeth Middle School:



<u>2017-18 Middle School Capacity</u>	
● Teaching Stations:	26x30= 780
○ Efficiency Factor:	x.8
<hr/>	
2017-18 MS Capacity	624
 <u>Potential Capacity:</u>	
● Teaching Stations:	26x30= 780
○ Potential Teaching Stations:	3x30= 90
○ Efficiency Factor:	x.8
<hr/>	
2017-18 Potential Capacity	696
2017-18, 6-8 October Enrollment:	430

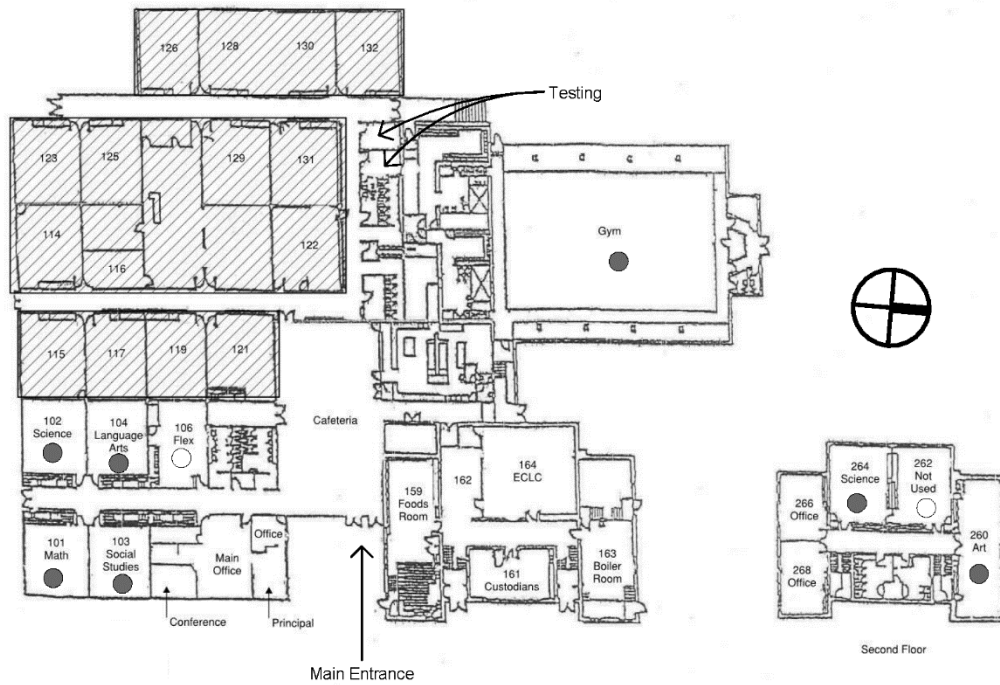
1 Elizabeth M.S.- Capacity
NOT TO SCALE

1/4/2018 8:54:06 AM
V:\SD-Elizabeth\PLANNING\Master Planning\MS- Elizabeth Middle School\Elizabeth Middle School.rvt



Elizabeth School District
 Facility Master Plan

2017 Utilization/Capacity floor plan for Frontier High School:



NOT UTILIZED BY FHS

2017-2018 Frontier High School Capacity		
● Teaching Stations:	7x15	105
○ Potential Teaching Stations:	2x15	30
Efficiency Factor		x.8
2017-2018 Frontier Capacity		108
2017 October Enrollment:		57

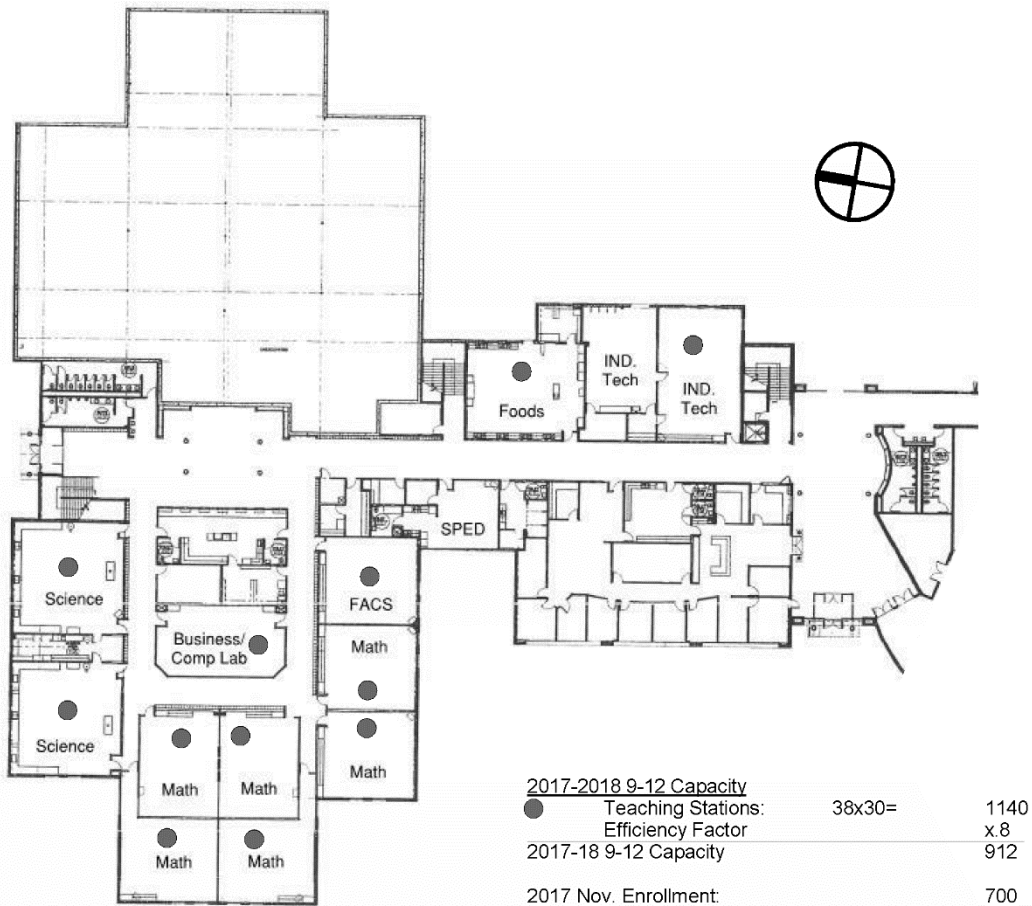
1 Frontier H.S. Capacity
 NOT TO SCALE

1/15/2018 9:21:34 AM
 Y:\SD-Elizabeth\PLANNING\Master Planning\ES- Running Creek\Running Creek (Central).nt



Elizabeth School District
 Facility Master Plan

2017 Utilization/Capacity floor plan for Elizabeth High School:



1 Elizabeth High School Main Level-Capacity Area A
 NOT TO SCALE

1/4/2018 9:08:08 AM
 V:\SD-Elizabeth\PLANNING\Master Planning\HS- Elizabeth High School\Elizabeth HS Capacity Evaluation 11-13.rvt

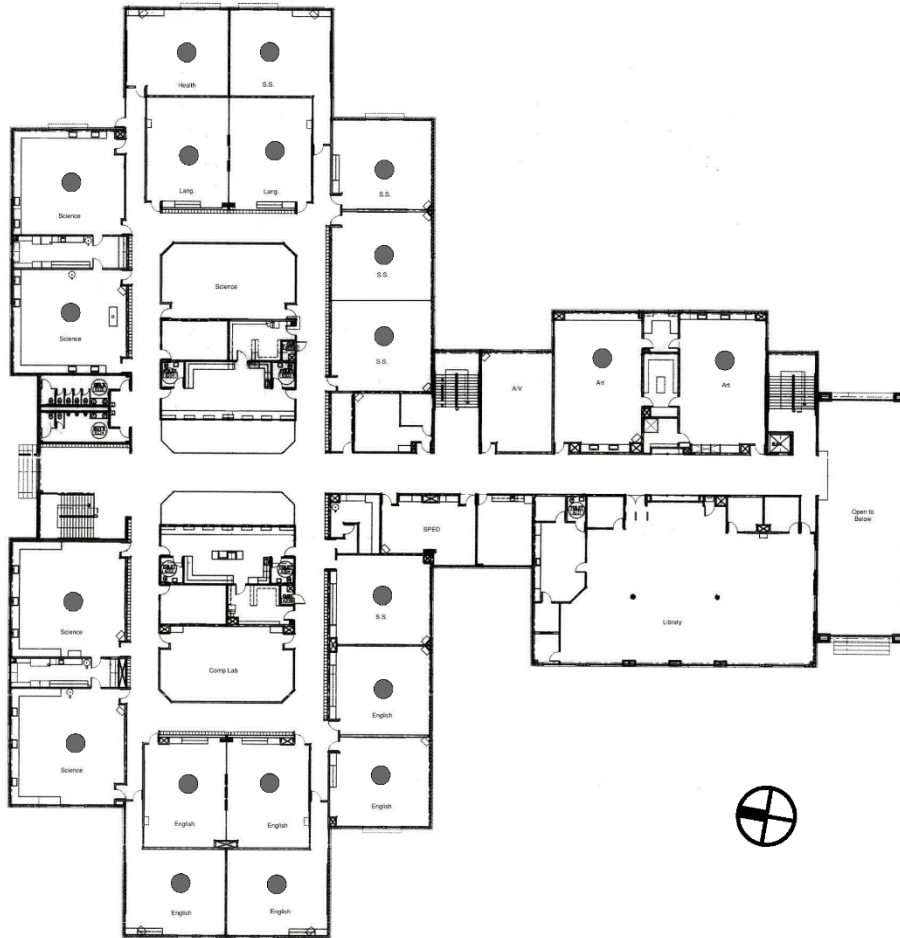
Main Level Floor Plan
 Capacity Area A

Comm No: 175024



Elizabeth School District
 Facility Master Plan

2017 Utilization/Capacity floor plan for Elizabeth High School:



1 Elizabeth High School Upper Level- Capacity Area A
 NOT TO SCALE

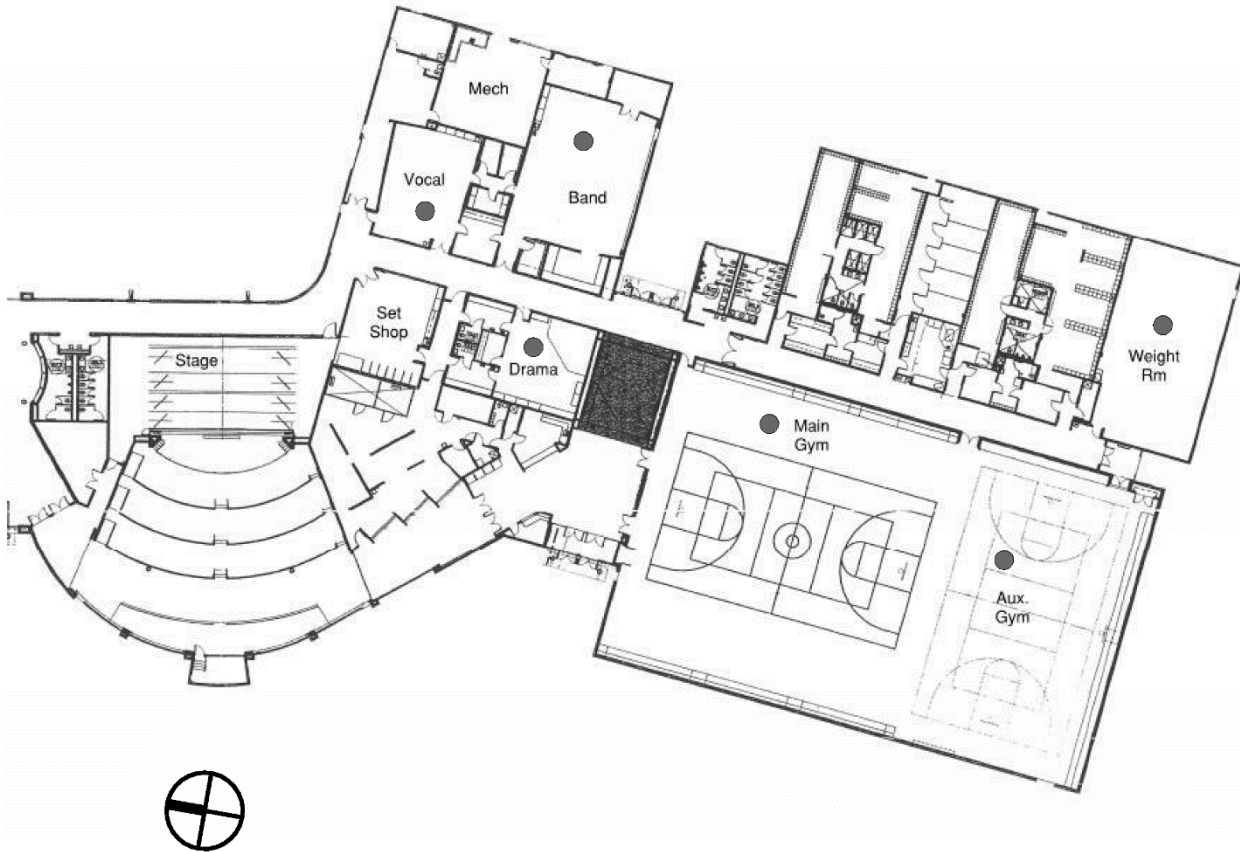
1/4/2018 9:08:53 AM
 V:\SD-Elizabeth\PLANNING\Master Planning\HS- Elizabeth High School\Elizabeth HS Capacity Evaluation 11-13.rvt

Elizabeth H.S. Upper Level
 Capacity

Comm No: 175024



2017 Utilization/Capacity floor plan for Elizabeth High School:



1 Elizabeth High School Main Level - Capacity Area B
 NOT TO SCALE