



Planning for the Future

2020/21 Enrollment Analysis



November 2, 2020

Discussion Points

1 Introduction

Enrollment and Demographics (Part One)

- Key Considerations
- Maps: Planning Areas and Attendance Areas
- Sophisticated Forecast Model (SFM)
- Demographics
- Past Enrollment and Change
- Baseline Maps and Data

Development (Part Two)

- Population, Development, and Enrollment Trends
- Yield Rate of Students
- Maps and Data

Enrollment Projections (Part Three)

- Projection Accuracy
- Past, Current, Future Enrollment
- Building Projections
- Enrollment Trends

Moving Forward (Part Four)

- Next Steps

Who is RSP

- Founded in 2003
- Professional educational planning firm
- Expertise in multiple disciplines
- Over 20 Years of planning experience
- Over 80 years of education experience
- Over 20 years of GIS experience
- Projection accuracy of 97% or greater



Over **130** clients in **11 states**
Arkansas, Iowa, Illinois,
Kansas, Minnesota,
Missouri, Nebraska, North
Dakota, Oklahoma, and
Wisconsin

Expectations

Below are some key points to think about as you examine how the analysis looked at creating a planning tool for making decisions:

- Project timeline a result of ensuring student data could represent as close as possible the Official Count with attributes that would allow RSP to forecast enrollment at a parcel level geography
- The findings were not focused on supporting or contradicting any past internal or outsourced studies – the analysis is based on data, data, and more data
- The study factored in many different data sets to provide data driven analysis that is the foundation to the RSP Statistical Forecast Model (SFM)
- Enrollment change in the community is influenced by but not limited to the birth rate, demographics, types of development and/or housing affordability
- Other items such as choices people make with the impact of COVID-19 must be monitored to ensure those choices result in good school planning decisions
- The study does not provide specific information about which site would be best suited for a new facility or for that matter should the district build any new facility – this analysis is one portion of how to make that decision
- This analysis is based on the same grade configuration and educational programming expectations the patrons have for each student
- Projecting enrollment is not a science – like life in general some assumptions happen that may lead to greater enrollment while others toward a smaller enrollment
- The goal of this study is to help the board, administration, and public understand how to make the best decision for the students at the classroom level

Making it Happen

School District

- Ankeny Community School District

County, City & Others

- Polk County
- Cities of Ankeny, Johnston, and Polk
- United States Geological Survey
- Census Bureau/ Esri



Thank you!

**Accurate projections are a result of the local entities providing quality data.*

**The data utilized in the analysis is the best available information each of the entities could provide at the time of the study.*



Part One

Enrollment & Demographics



100,000 Foot Perspective



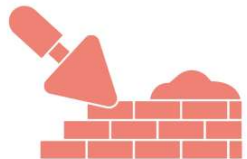
Enrollment

- Overall enrollment increase forecasted where enrollment will increase to about to about 12,956 students by 2025/26
- Kindergarten enrollment will range from 950 to 1,100 students
- District increases by nearly 1,100 students (+9.1%) (+1.7% to +2.1% a year)
 - Decreased by 231 in 2020/21
- Elementary increases by over 700 students (+12.6%) (+2.0% to +3.2% a year)
 - Decreased by 242 in 2020/21
- Middle School increases by nearly 200 students (+4.9%) (-1.1% to +2.1% a year)
 - Decrease by 50 in 2020/21
- High School increases by over 200 students (+7.6%) (+0.8% to +3.2% a year)
 - Increased by 61 in 2020/21



Capacity

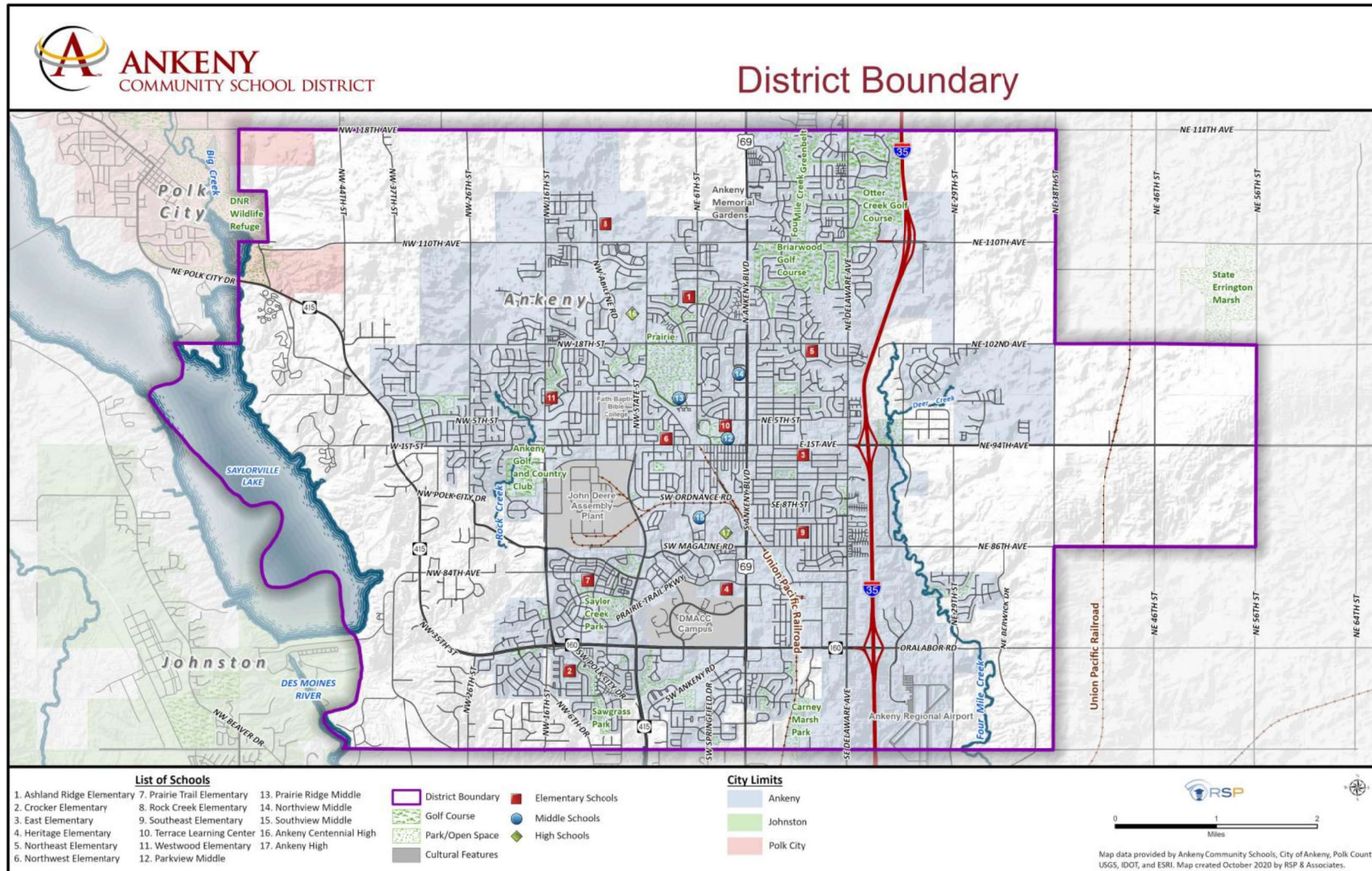
- Elementary Challenges
 - Ashland Ridge, Rock Creek, Southeast, and Northeast ES are over capacity in 2025/25
- Middle School Challenges
 - Prairie Ridge is at 100% capacity by 2025/26
- High School Challenges
 - Centennial (North Feeder) has 277 more students than Ankeny (South Feeder) by 2025/26
- Capacity calculations may change to address what has been learned from COVID-19



Development

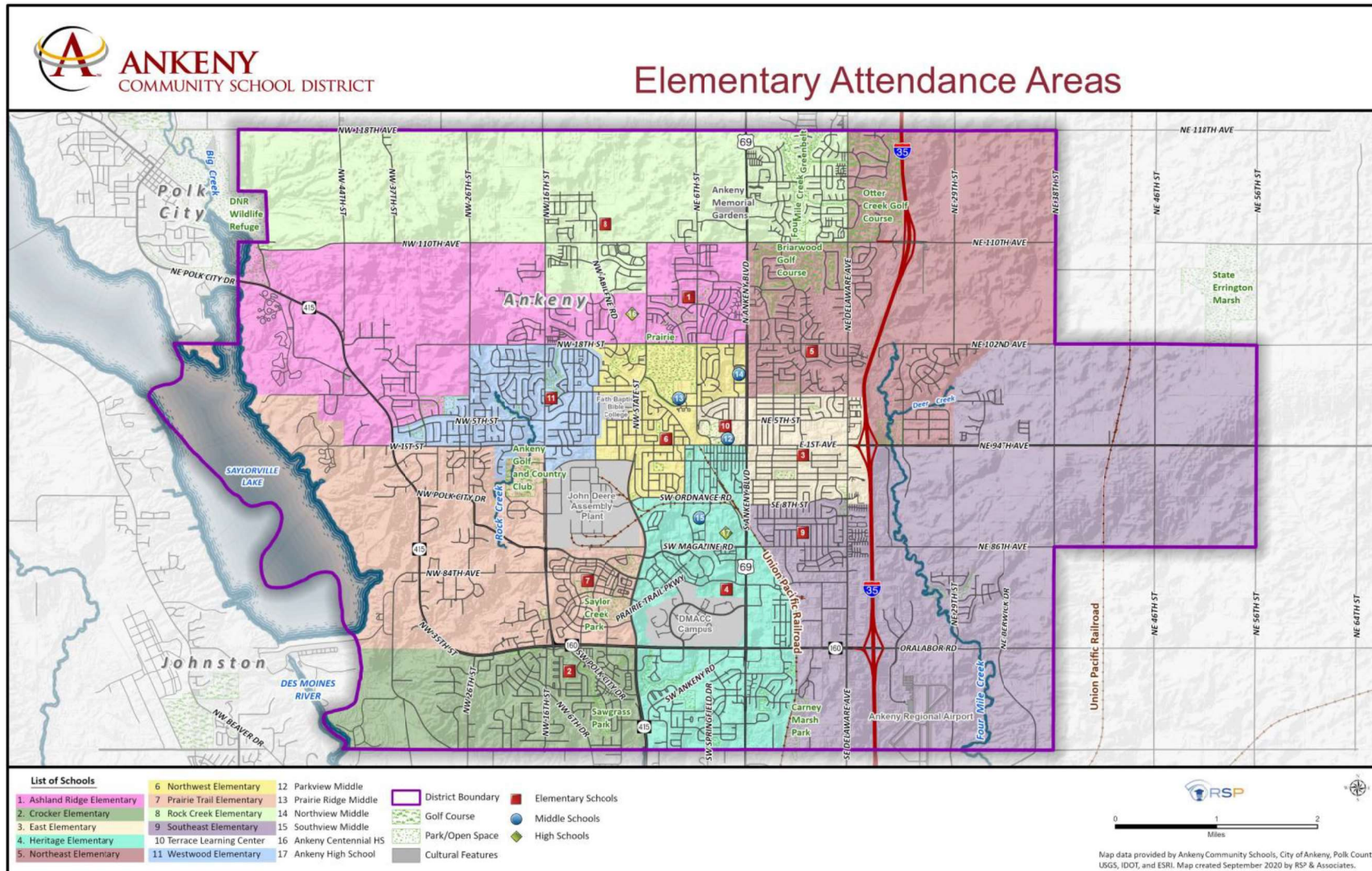
- Development has slowed but continues to increase
- Development has continued to the North and East of I-35
- Increase in residential development is not immediately yielding students
- The impact COVID-19 may have on the economy and housing must be monitored

District Boundary



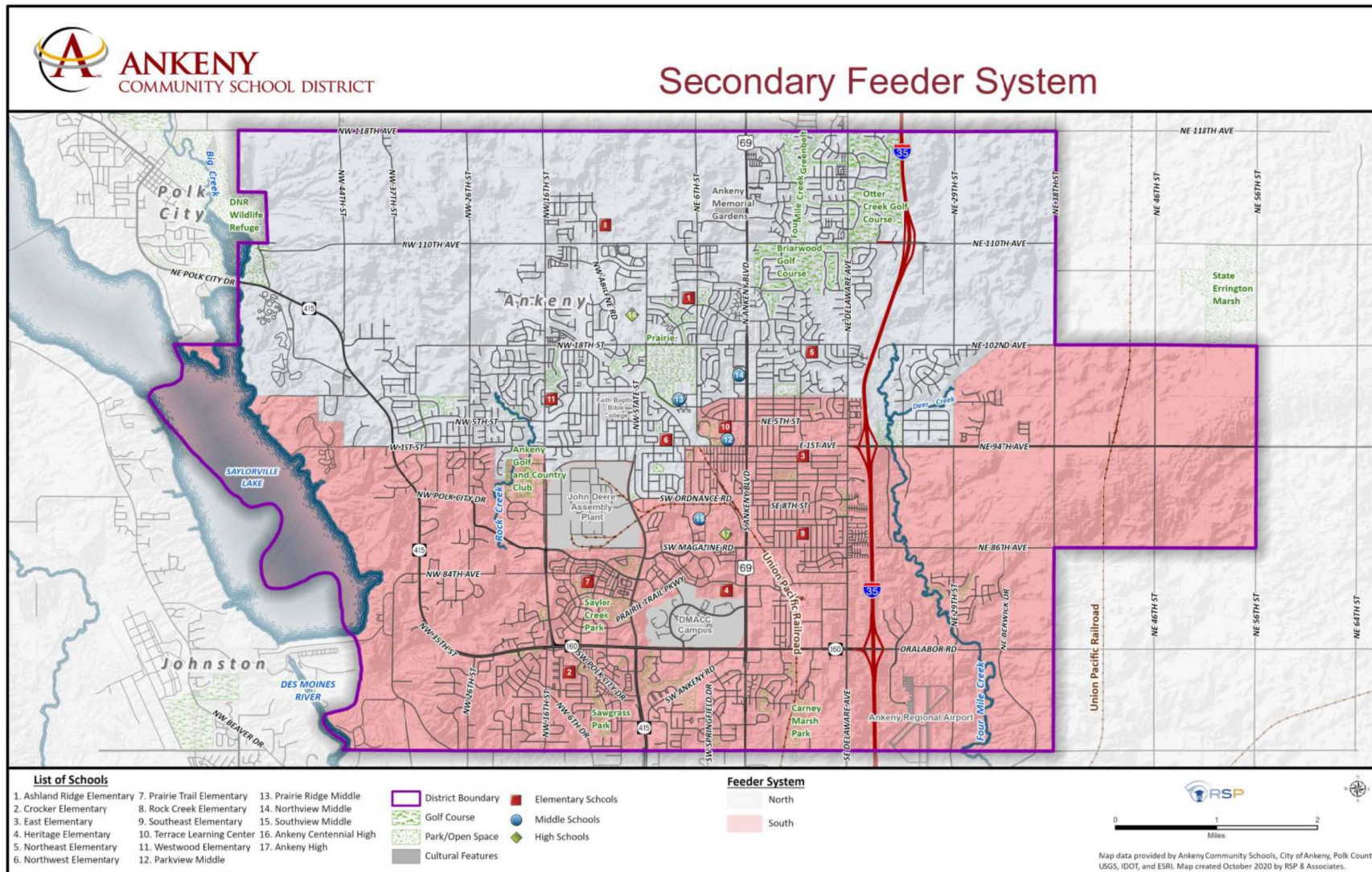
- District Boundary (Purple Line)
- Major Streets
- Major water features & cultural features

Elementary Attendance Areas



- District Boundary (Purple Line)
- Major Streets
- Major water features & cultural features
- Attendance Areas (color shading)
- Ashland Ridge (pink)
- Crocker (green)
- East (nude)
- Heritage (teal)
- Northeast (blush)
- Northwest (yellow)
- Prairie Trail (peach)
- Rock Creek (lime)
- Southeast (purple)
- Westwood (blue)
- Terrace Learning Center (white)

Secondary Attendance Areas



● District Boundary (Purple Line)

● Major Streets

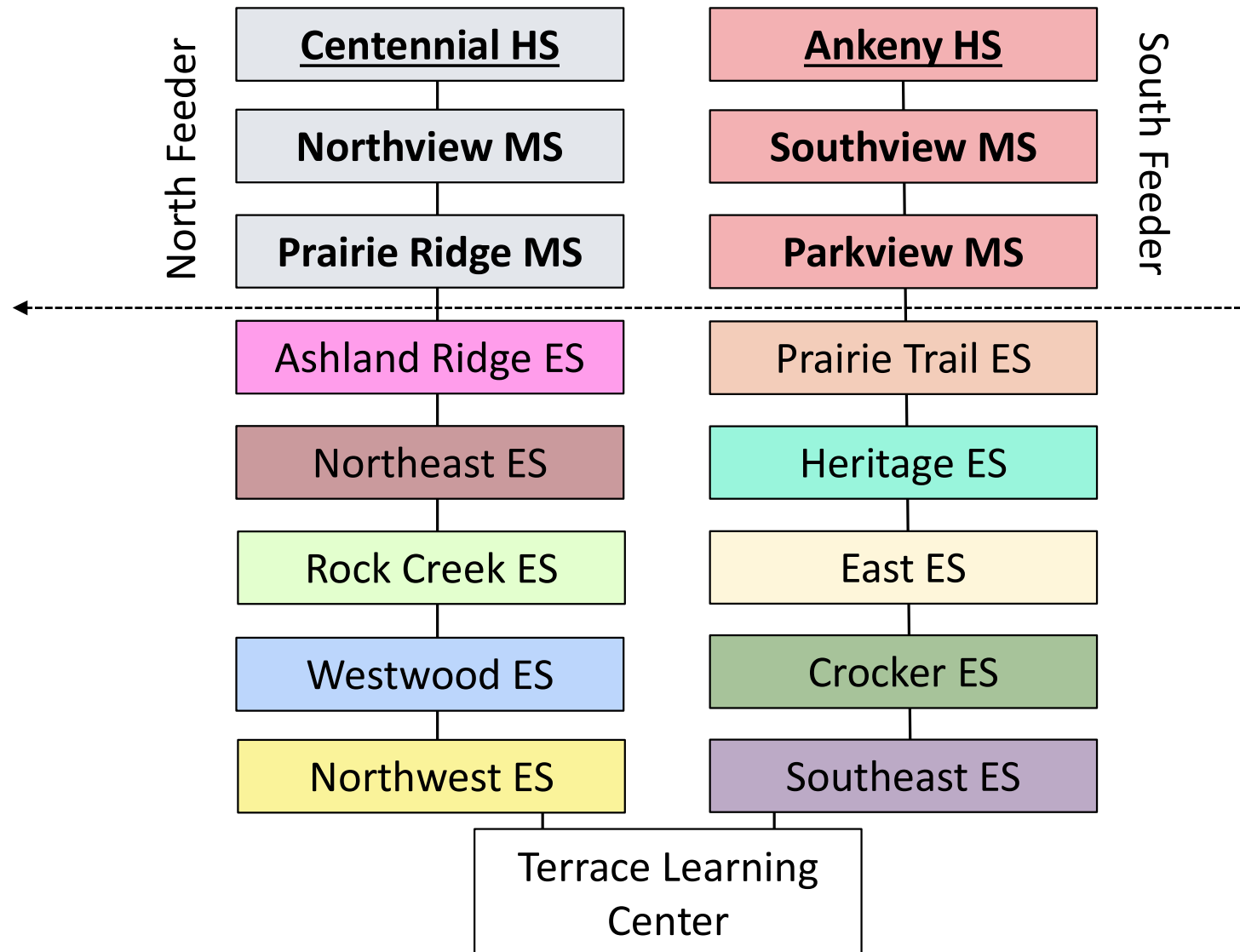
● Major water features & cultural features

● Attendance Areas (color shading)

● North Feeder (gray shading)

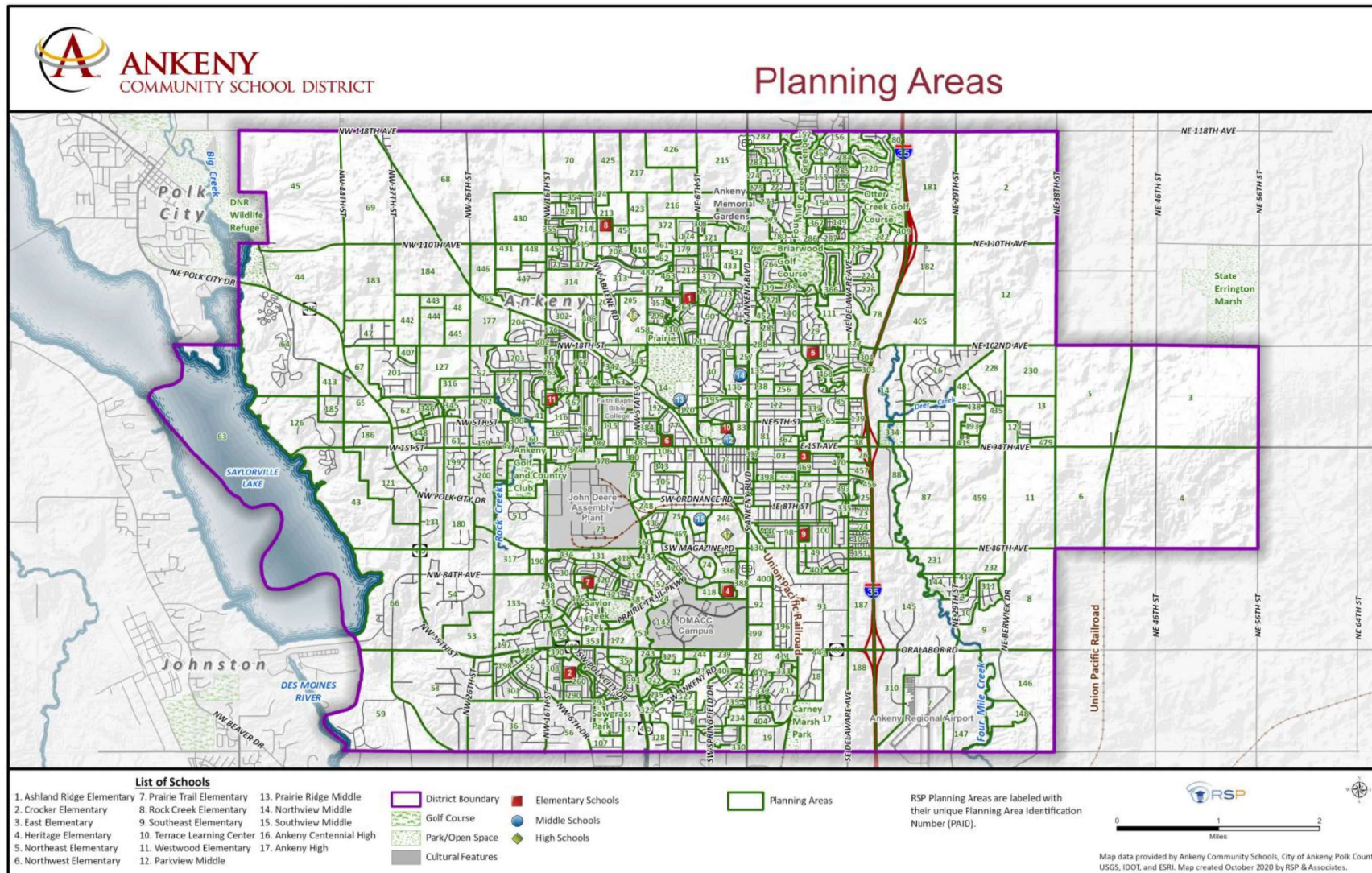
● South Feeder (pink shading)

Feeder System



●Ankeny Community School District currently has a complete North and South feeder system

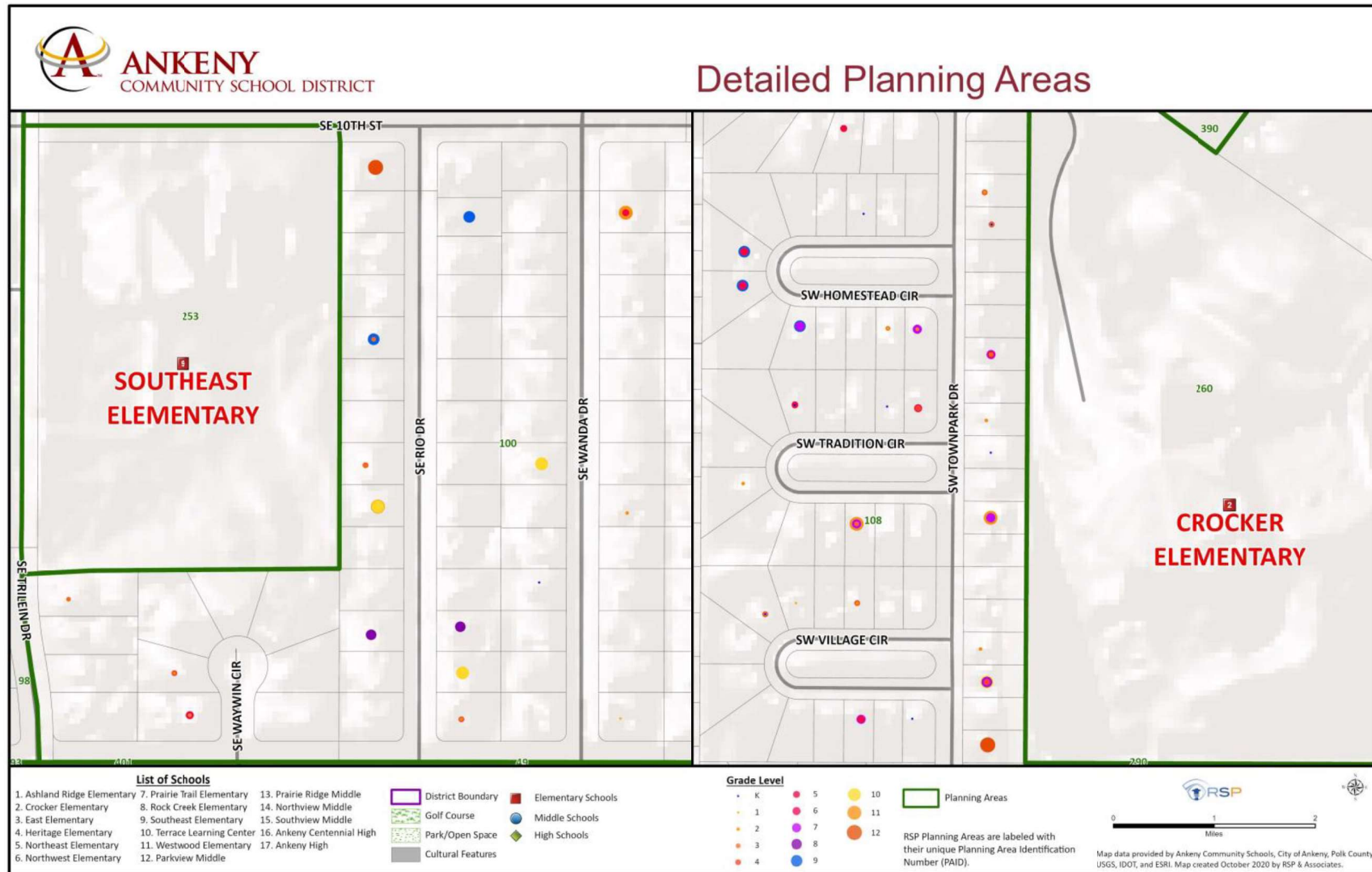
Planning Areas



- Zoomed in view of Planning Areas (Green) Over 500 unique areas being analyzed for demographic, development, and enrollment change
- Displays the power of GIS data & Information
- See where students are located by grade in relation to streets, subdivisions, and parcels
- Illustrates how the planning areas are tied to development types at the parcel level

- Planning Areas are determined by
 - Land Use (Residential, Commercial, Industrial)
 - Residential Density (Single-Family, Mobile Homes, Duplex, Apartments)
 - Natural and Manmade features (Rivers, Creeks, Railroads, Streets)
 - Attendance Ares (ES and Secondary Feeders)

Detailed Planning Areas



- Zoomed in view of Planning Areas (Green)
- Displays the power of GIS data & Information
- See where students are located by grade in relation to streets, subdivisions, and parcels

- This example shows the difference in two planning areas
 - Map displays Southwest ES area more older students
 - Map displays Crocker ES area has more younger students and multiple students per household

Sophisticated Forecast Model

Built-Out $S_{c,t,x} = S_{c-1,t-1,x} * GC$

Let:

- S = The number of students, either an actual count or a projected count
- x = A subscript denoting an attendance area in the School District
- c = Grade level
- t = Time (years)
- GC = Growth component either modeling enrollment increase or decrease based on historical information, expressed as a real number

Developing $S_{c,t,x} = S_{c-1,t-1,x} + (BP_{t,x} * R_{c,x})$

Where: $BP_{t,x} = \left(\frac{(CP_x)(BT_x)(A_x)}{\sum x (CP_x)(BT_x)(A_x)} \right) * CT$

Let:

- S = The number of students, either an actual count or a projected count
- x = A subscript denoting an attendance area in School District
- c = Grade level
- t = Time (years)
- BP = Building permit forecast as given by the Building Permit Allocation Model (BPAM) model
- R_{c, x} = Student Enrollment ratio of cohort c in planning area x
- CP = Capacity of a planning area as expressed by available housing units
- BT = Building history trend of planning area
- A = An index which models the likelihood of development
- CT = Building permit control total forecast

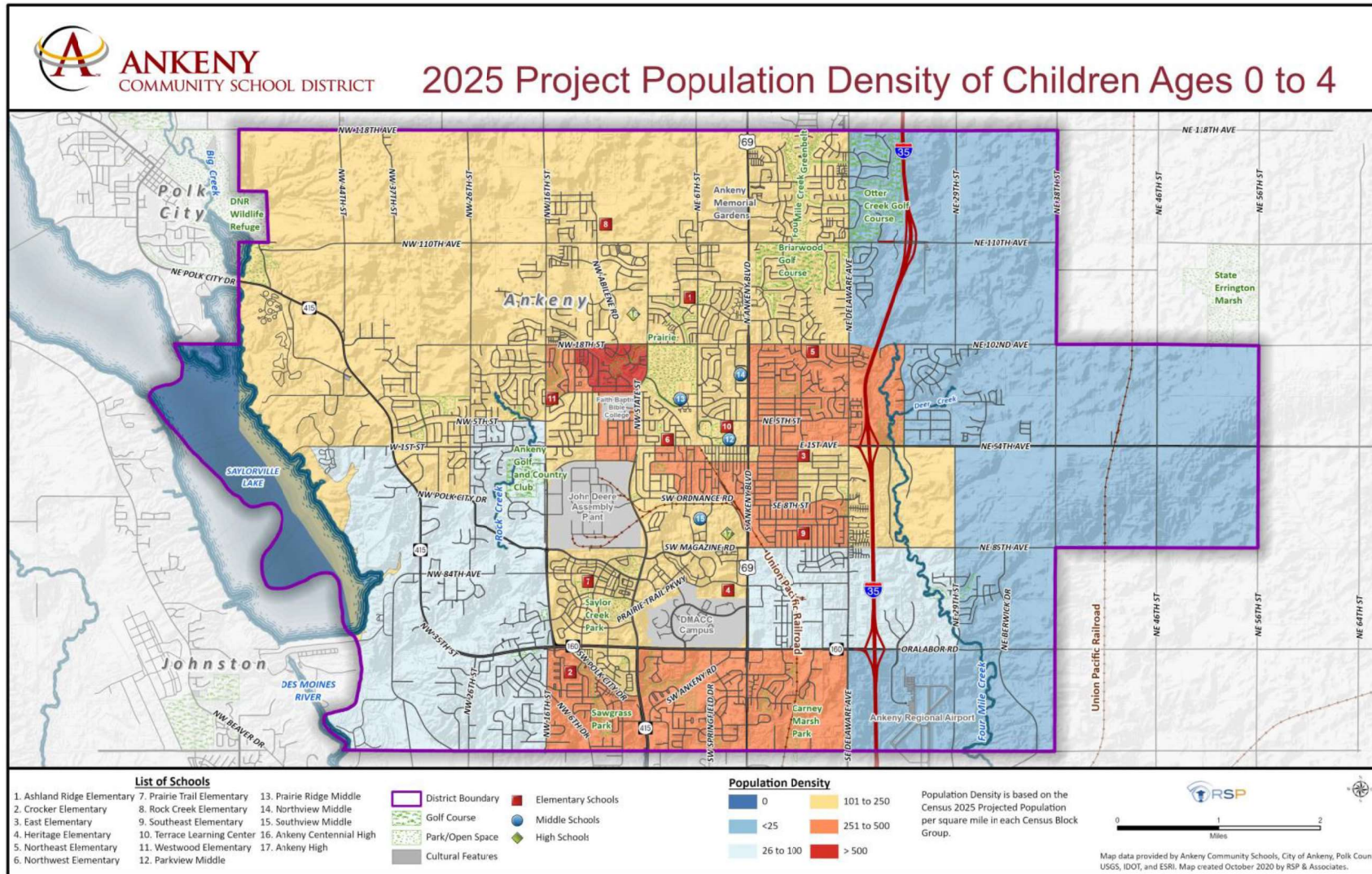


This is the central focus of everything RSP does. The model is based on what is happening in a school district. The best data is statistically analyzed to provide an accurate enrollment forecast. The District will be able to use RSP's report and maps to better understand demographic trends, school utilization, and the timing of construction projects.

RSP SFM Details

- The important factor concerning the RSP SFM is that it is a Social Science not an exact science; it identifies behavior trends to determine the propensity of them to be recreated:
- The value of the RSP SFM is how our team creates and analyzes the geography at a planning area level for any commonality which will help produce an accurate forecast
- Some of the variables examined for each planning area (but not limited to):
 - Natural Cohort (District data)
 - Planning Area Subdivision Lifecycle (RSP variable)
 - Value of Homes (County assessor data)
 - Type of Residential unit (SF, MF, DUP, TH, Resort, etc.) (County assessor data)
 - Year units were built (County assessor data)
 - Estimated female population (Census data)
 - Estimated 0-4 population (Census data)
 - Existing Land Use (County and City data)
 - Future Land Use (County and City data)
 - Capital Improvement Plan (CIP) (County and City data)
 - Future Developments (County and City data)
 - In-Migration of students (District data)
 - Out-Migration of students (District data)

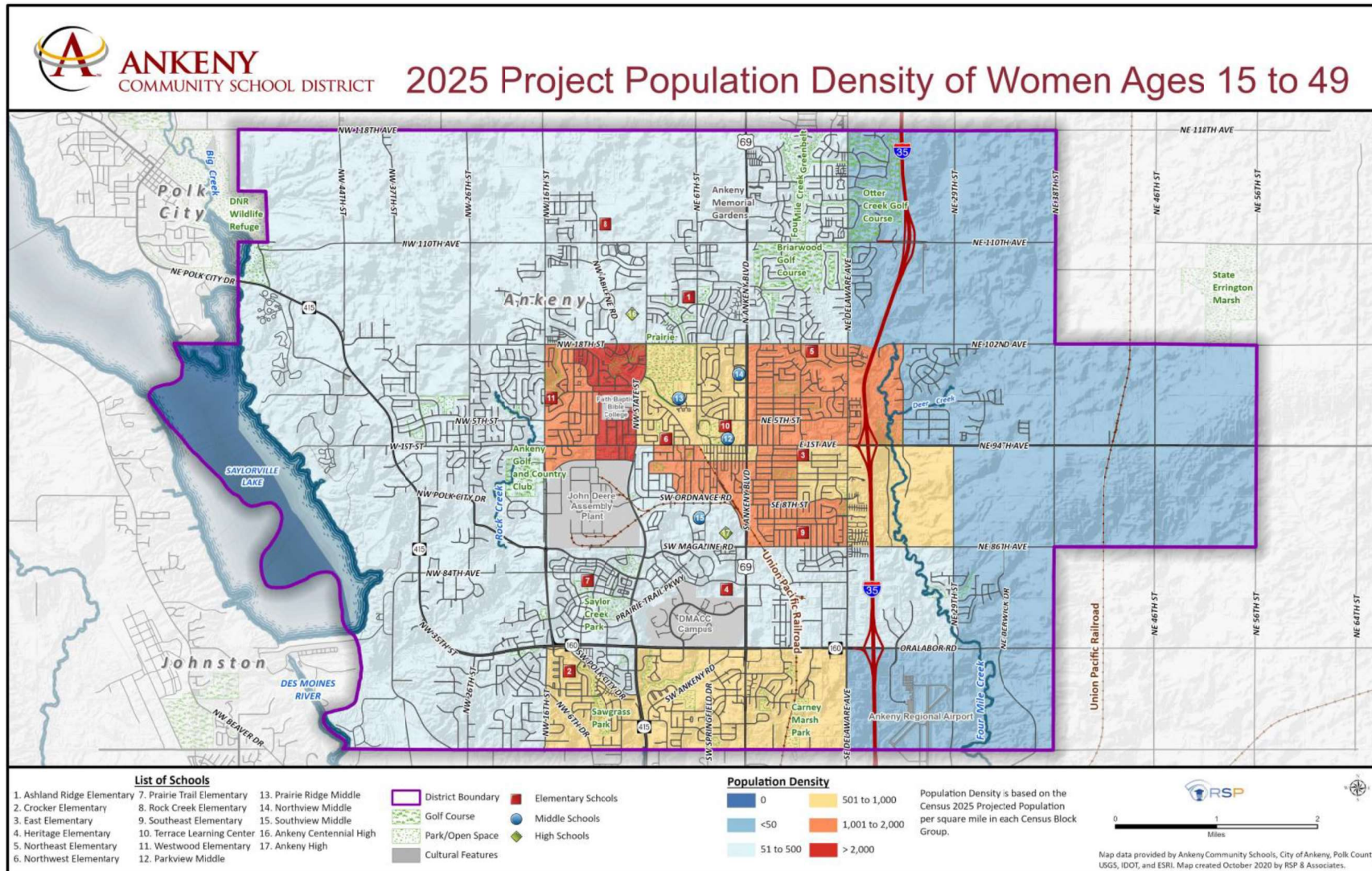
Population of Kids 0-4, 2025



- Depicted by Census Block Group with 2025 estimates
- Density weighted by land area of each Block Group
- Red areas have greatest density, Blue have the least density

- This data helps benchmark the projection model choices for future student enrollment
- This data does not directly correlate with new development (growth area)
 - Delay in student yield from new development

Population of Women 15-49, 2025



- Depicted by Census Block Group with 2025 estimates
- Density weighted by land area of each Block Group
- Red areas have greatest density, Blue have the least density

- This data helps benchmark the projection model choices for future student enrollment
- This data correlates with the population of kids 0-4 in 2025

District Demographics



Annual Rate;
Percent Change

2000-2010: 4.74%
2010-2020: 2.84%
2020-2025: 1.36%



Annual Rate;
Percent Change

2000-2010: 4.85%
2010-2020: 2.84%
2020-2025: 1.38%



Per Capita;
Percent Change

2020: \$41,539
2025: \$46,386
2020-2025: 2.23%



Unemployment Rate

2020: 11.6%

Notes:

Overall the District is experiencing an **increase** in population at a lower rate than the previous twenty years. Overall the District is experiencing an **increase** in housing at a lower rate than the previous twenty years. In a growing community housing and population should have a correlation and, on the surface, indicate a general housing supply/demand. The type of residential unit is not known in these numbers or how affordable the units are so more analysis is required. Income is projected to **increase** over two percent by 2025. Unemployment is **lower** than the State of Iowa. Estimate are from July 2020 from the US Census.

Demographic Consideration

	Ankeny Community School District	Waukee Communitiy School District	Johnston Community School District	West Des Moines Communitiy School District	Polk County	State of Iowa
Unemployment Rate	11.6%	9.7%	11.1%	11.8%	13.0%	11.9%
Average Household Size	2.6	2.64	2.62	2.35	2.48	2.41
Median Age	35	34.3	37.8	38.2	36.5	39.1
Total Population	66,405	64,474	39,018	69,369	504,158	3,238,386
Median Household Income	\$89,170	\$99,732	\$100,983	\$81,031	\$69,241	\$59,343
Total Housing Units	26,626	26,467	15,393	31,346	213,481	1,436,289
Owner Occupied Housing Units	19,144	16,726	11,360	18,172	132,954	922,001
Renter Occupied Housing Units	6,120	7,653	3,388	11,253	66,221	377,992
Vacancy Rate	5.1%	7.9%	4.2%	6.1%	6.7%	9.5%

Ethnicity	Ankeny Community School District	Waukee Communitiy School District	Johnston Community School District	West Des Moines Communitiy School District	Polk County	State of Iowa
White	90.3%	84.1%	83.4%	78.4%	75.6%	84.2%
Black	1.7%	4.5%	4.0%	4.3%	7.2%	4.0%
American Indian/Alaskan	0.1%	0.2%	0.1%	0.1%	0.2%	0.3%
Asian	3.5%	3.6%	7.0%	7.4%	5.8%	2.9%
Pacific Islander	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%
Other Race	0.1%	0.1%	0.2%	0.1%	0.2%	0.1%
Two or More Races	1.5%	2.5%	1.8%	2.0%	2.4%	1.9%
Hispanic	2.9%	5.0%	3.5%	7.7%	8.7%	6.5%

Source; U.S. Census, Esri BAO

Demographics Information

- Demographic attribute information for Ankeny Community School District is similar to Waukee Community School Districts
- The Unemployment Rate is lower than the State of Iowa (estimates from July 2020 from the US Census)
- The Median Household Income is higher than state of Iowa but lower than some of the districts compared in the table

Employment Information

	Ankeny Community School District	Waukee Community School District	Johnston Community School District	West Des Moines Community School District	Polk County	State of Iowa
2019 Agriculture/Mining (SIC01-14) Employees	0.9%	0.3%	2.0%	0.9%	0.8%	1.5%
2019 Construction (SIC15-17) Employees	2.9%	2.7%	5.5%	3.1%	3.6%	4.0%
2019 Manufacturing (SIC20-39) Employees	21.5%	0.4%	3.5%	4.7%	6.5%	10.6%
2019 Transportation (SIC40-47) Employees	1.6%	0.9%	1.6%	4.2%	2.6%	3.1%
2019 Communication (SIC48) Employees	0.3%	0.5%	1.8%	0.4%	0.6%	0.8%
2019 Utility (SIC49) Employees	0.2%	0.0%	0.3%	0.1%	0.4%	0.7%
2019 Wholesale Trade (SIC50-51) Employees	6.1%	0.7%	6.4%	2.1%	3.9%	4.9%
2019 Home Improvement (SIC52) Employees	1.6%	1.1%	1.5%	1.7%	1.3%	1.6%
2019 General Merchandise (SIC53) Employees	3.7%	3.4%	0.9%	2.3%	1.7%	1.9%
2019 Food Stores (SIC54) Employees	5.3%	6.4%	4.0%	3.1%	3.0%	3.7%
2019 Auto Dealer/Gas Station (SIC55) Employees	1.4%	1.3%	3.5%	2.1%	2.3%	2.3%
2019 Apparel/Accessory (SIC56) Employees	0.6%	4.0%	0.1%	1.0%	0.5%	0.5%
2019 Furniture/Home Furnishings (SIC57) Employees	0.9%	1.5%	0.6%	1.1%	0.6%	0.7%
2019 Eating & Drinking (SIC58) Employees	9.8%	12.2%	8.5%	5.9%	5.5%	6.0%
2019 Miscellaneous Retail (SIC59) Employees	2.5%	5.8%	2.2%	4.2%	3.1%	2.7%
2019 Banks (SIC60-61) Employees	1.3%	10.6%	2.7%	2.1%	2.0%	1.9%
2019 Securities Broker (SIC62) Employees	0.7%	1.7%	0.8%	4.8%	4.3%	1.4%
2019 Insurance (SIC63-64) Employees	0.5%	8.0%	11.1%	6.4%	4.3%	2.1%
2019 Real Estate/Holding (SIC65-67) Employees	4.8%	6.9%	2.5%	11.3%	6.6%	2.5%
2019 Hotel/Lodging (SIC70) Employees	0.7%	2.2%	2.7%	0.9%	1.0%	1.1%
2019 Auto Services (SIC75) Employees	0.8%	0.2%	1.0%	0.9%	1.5%	1.1%
2019 Movie/Amusement (SIC78-79) Employees	2.3%	1.7%	1.5%	1.8%	2.4%	2.5%
2019 Health Services (SIC80) Employees	8.2%	11.2%	6.4%	8.8%	13.9%	12.6%
2019 Legal Services (SIC81) Employees	0.3%	0.9%	0.3%	1.0%	0.8%	0.5%
2019 Education/Library (SIC82) Employees	6.9%	3.1%	5.9%	3.2%	4.5%	8.0%
2019 Other Service (SIC72-89SEL) Employees	11.5%	11.2%	16.0%	19.5%	14.4%	14.8%
2019 Government (SIC91-97) Employees	2.3%	1.0%	6.1%	2.1%	7.4%	6.2%
2019 Unclassified Establishments (SIC99) Employees	0.3%	0.2%	0.5%	0.3%	0.6%	0.4%

Source: U.S. Census, Esri BAO

Two of the top industries in the district, Manufacturing and Eating & Drinking, are already experiencing negative impacts from COVID-19.

Employment Information

- This table provides the type of employment a person has based on the geography of each column
- Highest percentage of employees are in Manufacturing (21.5%)
- When compared to all neighboring geographies, Ankeny Community Schools have a greater percentage of employees working in Manufacturing and lower percentage of employees working in Insurance (estimates from July 2020 from the US Census)

Birth Information

Polk County Iowa Live Births and Ankeny Kindergarten 5-Years Later

Calendar Year	# Live Births	Birth Change	% Birth Change	School Year	# Kdg	%Kdg of Live Births
2005	6,567			2010/11	775	11.8%
2006	6,911	344	5.2%	2011/12	843	12.2%
2007	6,915	4	0.1%	2012/13	839	12.1%
2008	6,723	-192	-2.8%	2013/14	899	13.4%
2009	6,690	-33	-0.5%	2014/15	887	13.3%
2010	6,521	-169	-2.5%	2015/16	908	13.9%
2011	6,498	-23	-0.4%	2016/17	905	13.9%
2012	6,729	231	3.6%	2017/18	932	13.9%
2013	6,767	38	0.6%	2018/19	954	14.1%
2014	6,946	179	2.6%	2019/20	1,009	14.5%
2015	7,022	76	1.1%	2020/21	915	13.0%
2016	6,910	-112	-1.6%			
2017	6,925	15	0.2%			
2018	6,641	-284	-4.1%			
3-Year Average	6,825.3	-127.00				
3-Year Weighted Average	6,780.5	-155.67				



In 2015, Polk County saw the greatest number of live births, but the % of kindergartens five years later decreased. Will this be a continued trend?

Source: Iowa Department of Public Health (IDPH) and Ankeny Community School District

Live Birth Observations

- Tracks the number of live births and the corresponding number of kindergarten students five years later
- The number of live births in Polk County is 1.1% greater in 2018 than it was in 2005
- Ankeny Community Schools has a range of 11.8% to 14.5% of County live births five years later
- With fewer number of live births, it is likely there will be fewer kindergarten students five years later

Enrollment by Grade

Enrollment By Grade

Year	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total	Change	% Change
2000/01	454	464	442	438	428	473	452	436	381	402	445	403	392	5,610		
2001/02	486	454	461	450	439	432	470	456	449	384	415	433	389	5,718	108	1.9%
2002/03	501	504	484	476	458	460	445	494	473	455	395	405	394	5,944	226	4.0%
2003/04	522	537	525	497	502	482	468	458	499	480	473	401	399	6,243	299	5.0%
2004/05	572	558	541	542	506	525	495	486	473	504	499	472	388	6,561	318	5.1%
2005/06	583	602	596	573	569	532	545	514	495	492	494	514	469	6,978	417	6.4%
2006/07	665	605	617	622	577	578	533	534	523	497	487	477	491	7,206	228	3.3%
2007/08	718	689	627	628	626	591	595	538	539	543	499	485	477	7,555	349	4.8%
2008/09	726	690	702	644	650	629	604	607	550	550	528	496	479	7,855	300	4.0%
2009/10	772	721	717	704	659	646	654	613	621	552	550	523	507	8,239	384	4.9%
2010/11	775	771	737	733	709	664	638	665	608	609	538	541	537	8,525	286	3.5%
2011/12	843	774	784	742	737	710	667	646	668	602	613	533	560	8,879	354	4.2%
2012/13	839	840	802	796	750	765	718	675	656	661	597	599	574	9,272	393	4.4%
2013/14	899	849	850	825	808	772	785	719	689	664	653	610	650	9,773	501	5.4%
2014/15	887	898	872	857	844	815	801	806	743	706	670	668	652	10,219	446	4.6%
2015/16	908	881	934	875	878	867	864	812	810	756	713	688	698	10,684	465	4.6%
2016/17	905	903	883	945	885	889	895	872	826	823	766	719	736	11,047	363	3.4%
2017/18	932	935	916	898	964	900	905	907	875	847	809	759	733	11,380	333	3.0%
2018/19	954	961	960	930	918	982	912	917	909	890	848	815	795	11,791	411	3.6%
2019/20	1,009	957	952	964	920	925	997	901	915	918	899	859	849	12,065	274	2.3%
2020/21	915	940	904	892	940	894	910	976	891	904	907	872	889	11,834	-231	-1.9%

Source: Iowa Department of Education (2000/01 to 2004/05) & Ankeny School District (2005/06 to 2020/21)

- Largest K-12 class in 20/21 – 7th grade (976 students)
- Smallest K-12 class in 20/21 – 11th grade (872 students)
- District is down in enrollment by 231 students likely due to COVID-19

**All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Counts (Statistically 99% greater match by grade).*

Cohort Student Observation

Enrollment Grade Change

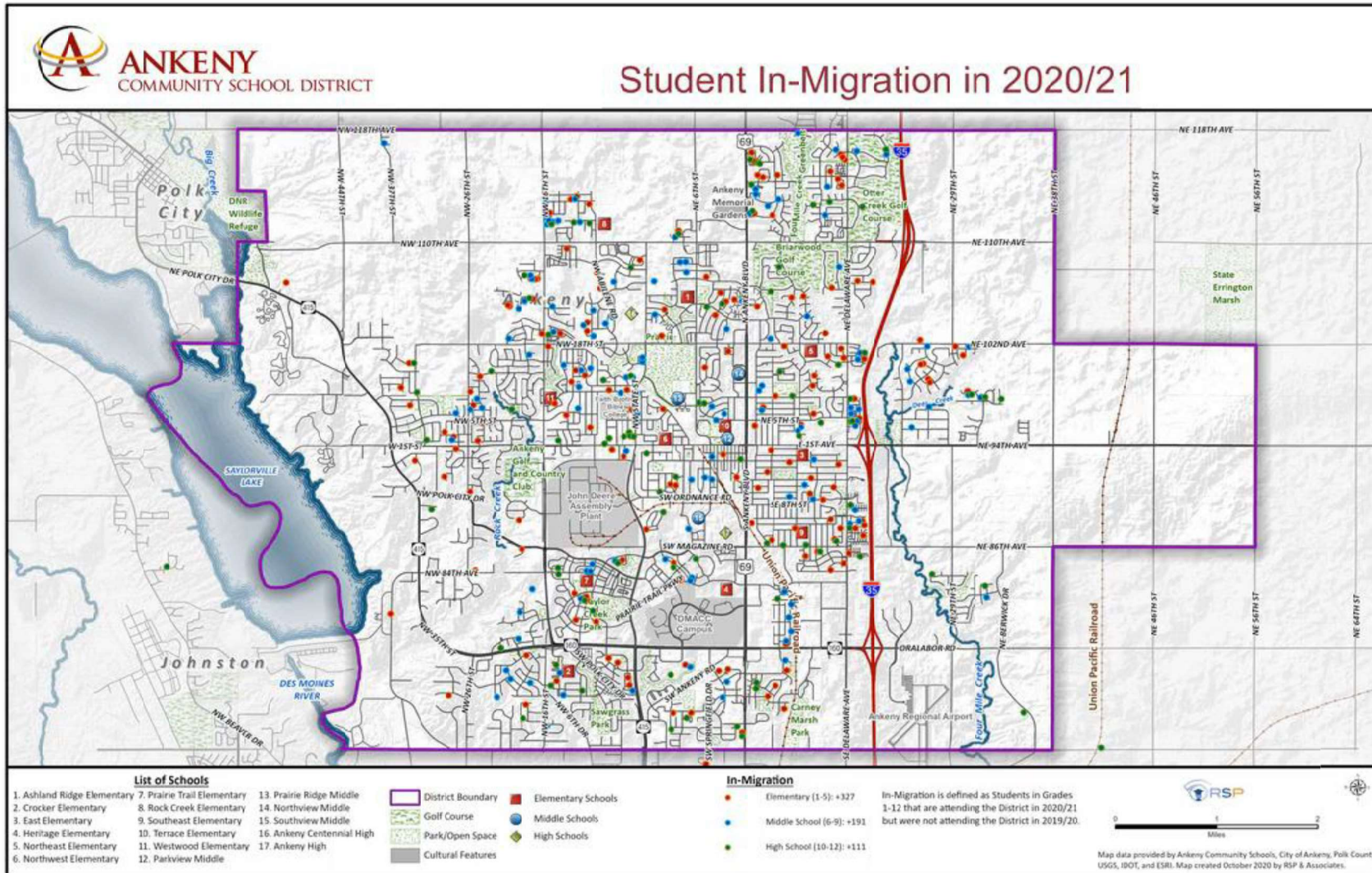
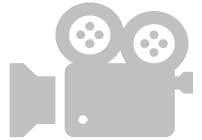
From	To	K	K 1st	1st 2nd	2nd 3rd	3rd 4th	4th 5th	5th 6th	6th 7th	7th 8th	8th 9th	9th 10th	10th 11th	11th 12th	Change	
															Total	Percent
2000/01	2001/02	32	0	-3	8	1	4	-3	4	13	3	13	-12	-14	108	1.9%
2001/02	2002/03	15	18	30	15	8	21	13	24	17	6	11	-10	-39	226	4.0%
2002/03	2003/04	21	36	21	13	26	24	8	13	5	7	18	6	-6	299	5.0%
2003/04	2004/05	50	36	4	17	9	23	13	18	15	5	19	-1	-13	318	5.1%
2004/05	2005/06	11	30	38	32	27	26	20	19	9	19	-10	15	-3	417	6.4%
2005/06	2006/07	82	22	15	26	4	9	1	-11	9	2	-5	-17	-23	228	3.3%
2006/07	2007/08	53	24	22	11	4	14	17	5	5	20	2	-2	0	349	4.8%
2007/08	2008/09	8	-28	13	17	22	3	13	12	12	11	-15	-3	-6	300	4.0%
2008/09	2009/10	46	-5	27	2	15	-4	25	9	14	2	0	-5	11	384	4.9%
2009/10	2010/11	3	-1	16	16	5	5	-8	11	-5	-12	-14	-9	14	286	3.5%
2010/11	2011/12	68	-1	13	5	4	1	3	8	3	-6	4	-5	19	354	4.2%
2011/12	2012/13	-4	-3	28	12	8	28	8	8	10	-7	-5	-14	41	393	4.4%
2012/13	2013/14	60	10	10	23	12	22	20	1	14	8	-8	13	51	501	5.4%
2013/14	2014/15	-12	-1	23	7	19	7	29	21	24	17	6	15	42	446	4.6%
2014/15	2015/16	21	-6	36	3	21	23	49	11	4	13	7	18	30	465	4.6%
2015/16	2016/17	-3	-5	2	11	10	11	28	8	14	13	10	6	48	363	3.4%
2016/17	2017/18	27	30	13	15	19	15	16	12	3	21	-14	-7	14	333	3.0%
2017/18	2018/19	22	29	25	14	20	18	12	12	2	15	1	6	36	411	3.6%
2018/19	2019/20	55	3	-9	4	-10	7	15	-11	-2	9	9	11	34	274	2.3%
2019/20	2020/21	-94	-69	-53	-60	-24	-26	-15	-21	-10	-11	-11	-27	30	-231	-1.9%
3-Yr Avg		-5.7	-12.3	-12.3	-14.0	-4.7	-0.3	4.0	-6.7	-3.3	4.3	-0.3	-3.3	33.3	151.3	1.3%
3-Yr Wavg		-25	-28.7	-25.3	-26.3	-12	-7.7	-0.5	-12.2	-5.3	0	-2.3	-8.8	32.3	44.3	0.4%

Source: Iowa Department of Education (2000/01 to 2004/05) & Ankeny School District (2005/06 to 2020/21)

- Largest cohort change in 2020/21 - Kindergarten (-94 students)
 - Kindergarten is not mandatory in the state of Iowa
- Largest 3-year average K-12 class increase – 11th to 12th grade (+33 students)
- Largest 3-year average K-12 class decrease – 2nd to 3rd grade (-14 students)

**All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Counts (Statistically 99% greater match by grade).*

Student In-Migration

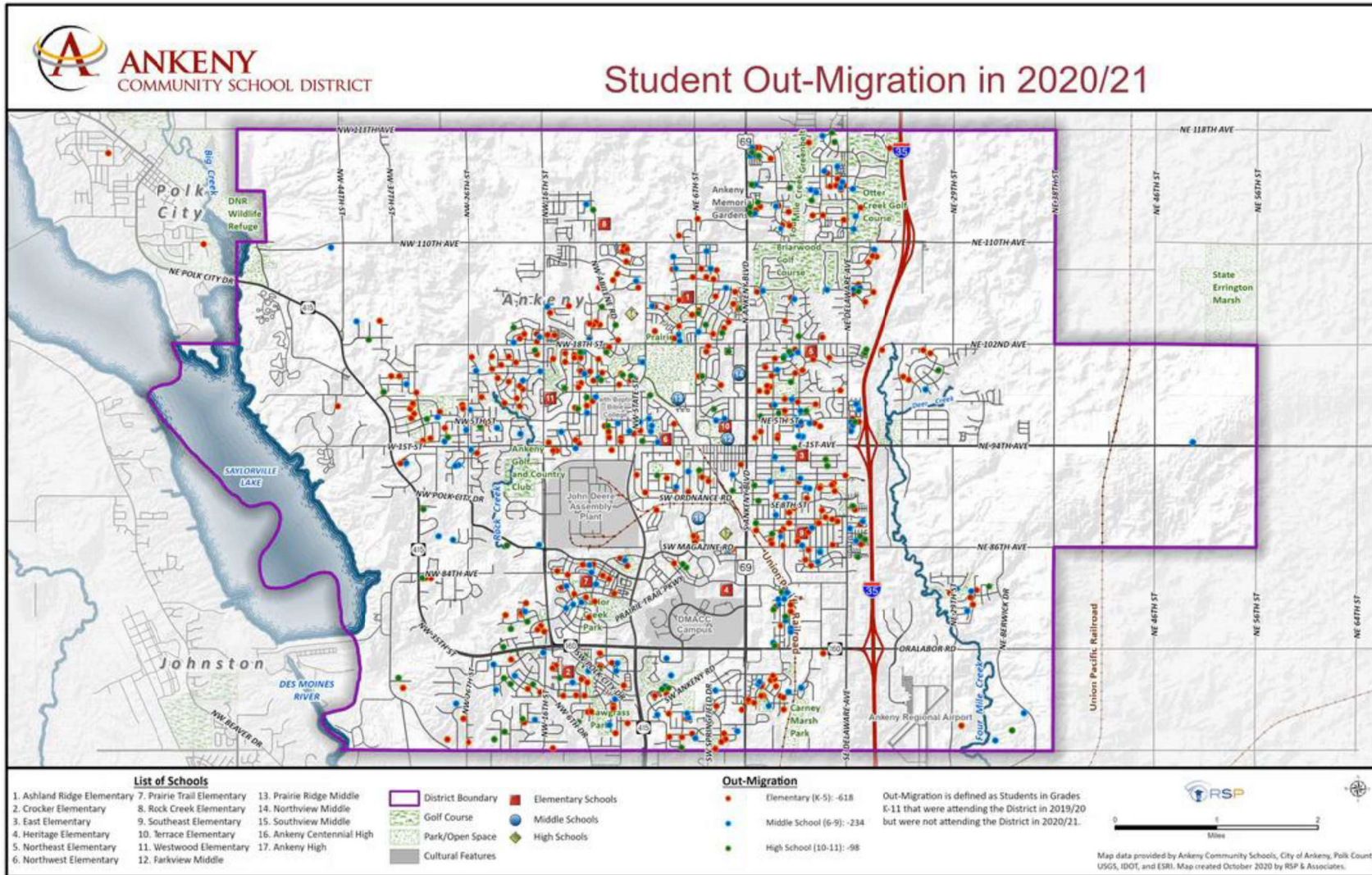
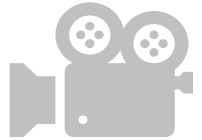


Fewer new students are coming to the district.

2020/21 students who are in 1st through 12th grade that were not attending the District in 2019/20 as Kindergarten through 11th grade.

- **755** new students in **2018/19**
- **655** new students in **2019/20**
- **629** new students in **2020/21**

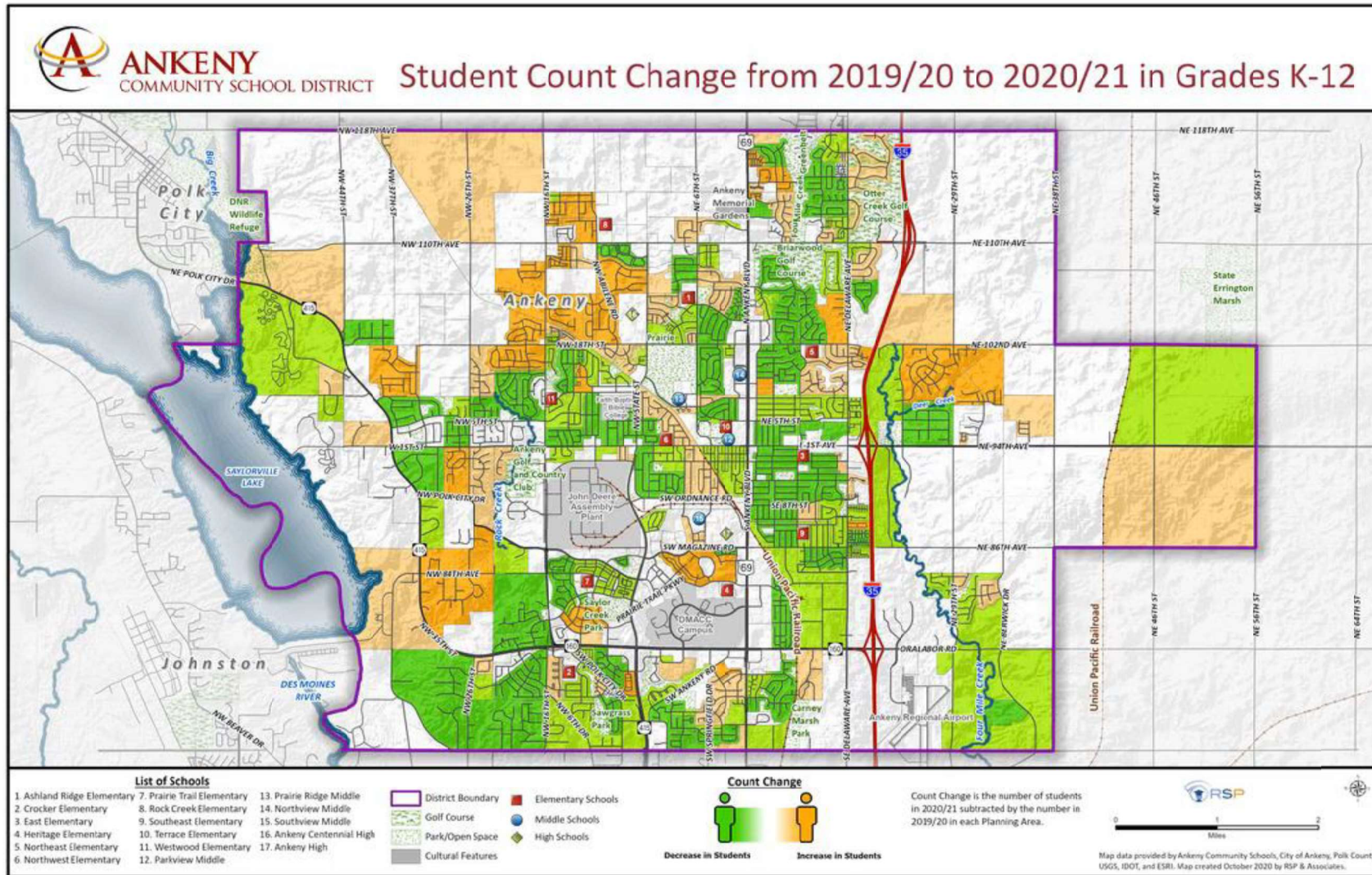
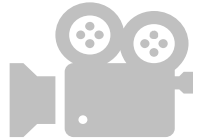
Student Out-Migration



2019/20 students who were in Kindergarten through 11th grades that are not attending the District in 2020/21 as 1st through 12th grade.

- **591** students left in **2018/19** **Total Migration +164**
- **628** students left in **2019/20** **Total Migration +27**
- **950** students left in **2020/21** **Total Migration - 321**

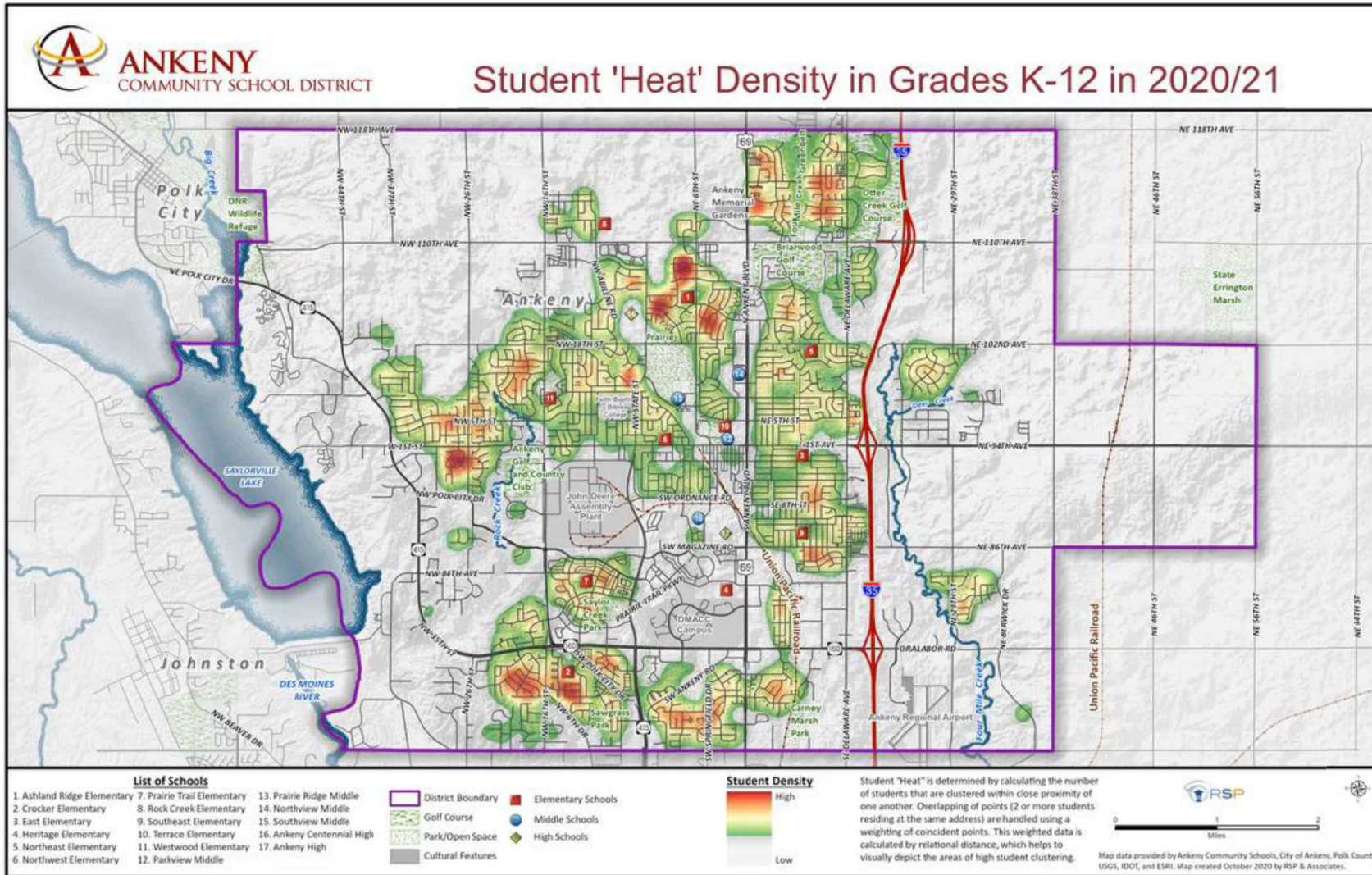
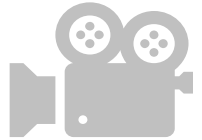
Student Count Change



Student movement correlates with growth areas.

- Depicts student movement each year at each Planning Area from **2010/11** to **2020/21**
- **Orange** areas experienced an increase year to year, **Green** areas experienced a decrease, **White** areas had no net change of students between **year to year**
- New developments have a greater propensity to have more students in future years
- Current colors do not indicate area will continue to increase or decrease

Student "Heat" Density



Student density continues to grow near Ashland Ridge ES and in the North.

- **Red** areas depict highest density of students, **Gray** as lowest student density
- Overlapping points (2 or more students) are handled using a weighting of coincident points
- This analysis helps with understanding student population and geographic proximity to schools
- Some new areas do not necessarily lead to similar yield rates of like developments

Where are the Students Going?

Reasons Students Leave the District	18-19	19-20	20-21
Transferred - Iowa Public School	311	347	277
Transferred -Iowa Accredited Nonpublic School	30	28	125
Transferred -Out of State	223	223	119
Transferred -Out of Country	5	18	6
Transferred -Homeschool	43	44	186
Transferred -Incarcerated	0	1	0
Transferred -Unknown	9	10	0
Transferred -DHS	3	0	0
Open Enroll - Iowa Public School	28	25	91
Tuition Paid-Iowa Public School	7	11	3
Dropout	20	17	0
Expelled	1	1	0
Max Age	0	1	0
Deceased	2	3	2
Tuition Out Parent Paid	0	0	2
Withdraw Per Parent Request	1	1	30
Total	683	730	841

Source: Ankeny Community School District

○ Indicates significant change from previous year

RSP isolated the categories (Gray shading) that have the greatest potential for the household to still reside in the district but made a different school choice

These categories are 332% greater than the average of the previous two school years

This needs to be monitored to determine if it is a new trend and how that might impact future enrollment

The two green circles indicate that 28% fewer students left the district compared to previous years when students and families choose to leave for other Iowa Public Schools or out of state

Notes:

- Significant number of students left the district in 2020/21 to be homeschooled or to transfer to a nonpublic school
- **683** students left the district in 2018/19, **730** students left the district in 2019/20, **841** students left the district 2020/21
- The 20-21 results are a shift in what the district has seen the last two school years – this must be monitored to determine if new trends are emerging and how that may impact future enrollment

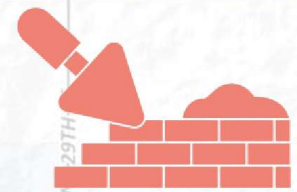
Enrollment Observation

The following are some general enrollment observations;

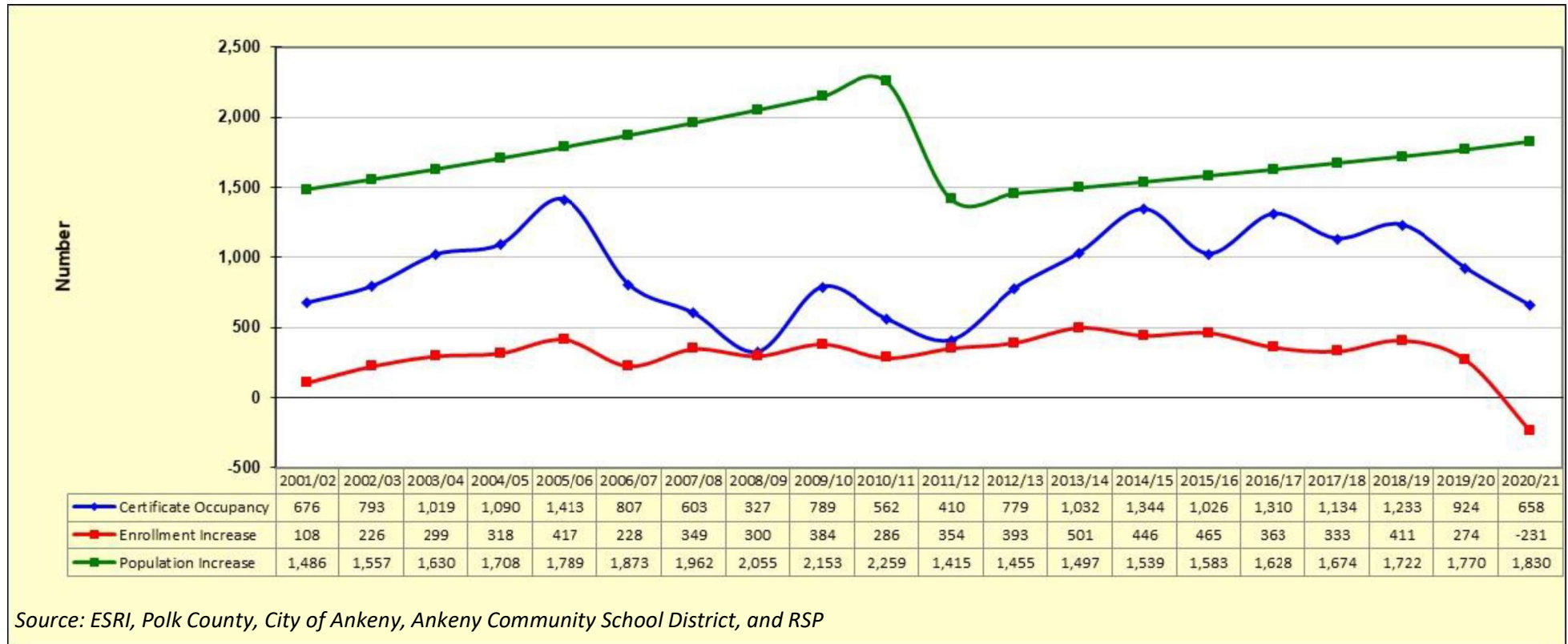
- This is the first year since 2000/01 where the district has experienced an enrollment decrease
- The district has maintained contiguous boundaries for elementary schools
- RSP & Associates monitors over **500** planning areas for demographic, development, and enrollment data sets
- Direct correlation between women in childbearing ages (15-49) and where children (0-4) reside will need to be monitored for demographic shifts
- The number of live births has decreased over the last 10 years which likely will impact the number of future kindergarten students
- Enrollment has changes from grade to grade each year at each level
 - Large increases happen from 11th to 12th grade
 - Large decreases happen from 2nd to 3rd grade
- The highest student density in the district is in Ashland Ridge Elementary School area
- The least student density in the district is in Heritage Elementary School area
- Kindergarten had the largest decrease in enrollment

Part Two

Development



Population, Development, & Enrollment



- Census data indicates an increasing population
- Building trends indicates the residential activity has slowed since 2018/19 but development is still increasing
- Student enrollment has remained positive for the last 20 years before decreasing in 2020/21, likely due to COVID-19, but is projected to increase again in the upcoming years

*Certificate Occupancy may show lower than actual due to delay in county and city data

Student Yield Rate (SF)

Schools	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Avg
Ashland Ridge Elementary School	0.27	0.4	0.37	0.38	0.41	0.44	0.45	0.44	0.41	0.4	0.42	0.4	0.41	0.37	0.36	0.35	0.33	0.31	0.38
Crocker Elementary School	0.18	0.24	0.27	0.28	0.3	0.32	0.34	0.35	0.36	0.37	0.37	0.36	0.34	0.31	0.32	0.31	0.31	0.28	0.31
East Elementary School	0.28	0.14	0.25	0.24	0.23	0.23	0.22	0.2	0.21	0.21	0.21	0.21	0.21	0.19	0.19	0.19	0.19	0.18	0.21
Heritage Elementary School	0.13	0.11	0.14	0.16	0.18	0.2	0.22	0.23	0.27	0.28	0.28	0.28	0.27	0.26	0.25	0.25	0.24	0.22	0.22
Northeast Elementary School	0.35	0.36	0.44	0.42	0.41	0.41	0.4	0.36	0.32	0.29	0.27	0.29	0.26	0.28	0.26	0.28	0.28	0.28	0.33
Northwest Elementary School	0.24	0.21	0.2	0.19	0.21	0.22	0.21	0.24	0.22	0.21	0.19	0.19	0.2	0.19	0.18	0.18	0.18	0.17	0.2
Prairie Trail Elementary School	0.27	0.32	0.33	0.33	0.33	0.32	0.32	0.32	0.33	0.35	0.35	0.33	0.37	0.34	0.34	0.33	0.31	0.3	0.33
Rock Creek Elementary School	0.13	0.14	0.14	0.15	0.18	0.21	0.24	0.27	0.32	0.33	0.35	0.35	0.4	0.43	0.41	0.41	0.39	0.38	0.29
Southeast Elementary School	0.29	0.02	0.26	0.25	0.25	0.26	0.28	0.27	0.29	0.29	0.29	0.28	0.28	0.26	0.26	0.25	0.23	0.2	0.25
Westwood Elementary School	0.28	0.26	0.29	0.31	0.3	0.29	0.29	0.28	0.29	0.27	0.27	0.27	0.26	0.27	0.27	0.26	0.27	0.25	0.28
District (K-5):	0.26	0.22	0.27	0.27	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.27	0.26	0.28

Sources: Ankeny Community School District, Polk County, City of Ankeny, RSP & Associates

Single Family Table Explanation

- Depicts elementary (K-5) enrollment and the corresponding yield rate for 100 housing units
- Single-Family residential average (.28) has stayed consistent over the past decade
- Adding newer housing inventory typically can increase the yield rate
 - The Heat map assists in understanding how that has changed over time (Page 27)
 - Residential unit activity provides the basis for timeline and where units likely are built (Page 34)
 - From 2003 to 2020 there were approximately **15,441** single family units added to the building inventory

**All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Counts (Statistically 99% greater match by grade).*

Student Yield Rate (MF)

Schools	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Avg
Ashland Ridge Elementary School	0.04	0.04	0.05	0.05	0.07	0.06	0.1	0.09	0.08	0.11	0.11	0.09	0.06	0.06	0.05	0.04	0.04	0.04	0.07
Crocker Elementary School	0.41	0.16	0.06	0.07	0.11	0.13	0.11	0.09	0.08	0.13	0.14	0.13	0.12	0.13	0.14	0.14	0.13	0.11	0.13
East Elementary School	0.07	0.02	0.06	0.06	0.08	0.07	0.06	0.06	0.07	0.07	0.08	0.09	0.08	0.07	0.07	0.06	0.07	0.06	0.07
Heritage Elementary School	0.23	0.1	0.18	0.18	0.15	0.17	0.12	0.16	0.17	0.16	0.14	0.13	0.13	0.12	0.1	0.09	0.09	0.07	0.14
Northeast Elementary School	0.01	0.02	0.01	0.02	0.03	0.03	0.03	0.04	0.05	0.05	0.05	0.06	0.05	0.04	0.05	0.05	0.05	0.06	0.04
Northwest Elementary School	0.08	0.07	0.06	0.07	0.07	0.08	0.07	0.09	0.09	0.09	0.08	0.09	0.09	0.09	0.08	0.08	0.08	0.07	0.08
Prairie Trail Elementary School	0	0	0	0	0	0	0	0	0	0	0	0	0.26	0.05	0.06	0.09	0.11	0.06	0.03
Rock Creek Elementary School	0.01	0.01	0	0.01	0.01	0.03	0.04	0.06	0.05	0.07	0.08	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.05
Southeast Elementary School	0.08	0.03	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.08	0.1	0.1	0.09	0.09	0.08	0.1	0.09	0.09	0.08
Westwood Elementary School	0.14	0.14	0.12	0.09	0.11	0.1	0.08	0.09	0.08	0.08	0.09	0.1	0.11	0.14	0.16	0.18	0.14	0.12	0.12
District (K-5):	0.08	0.05	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.08

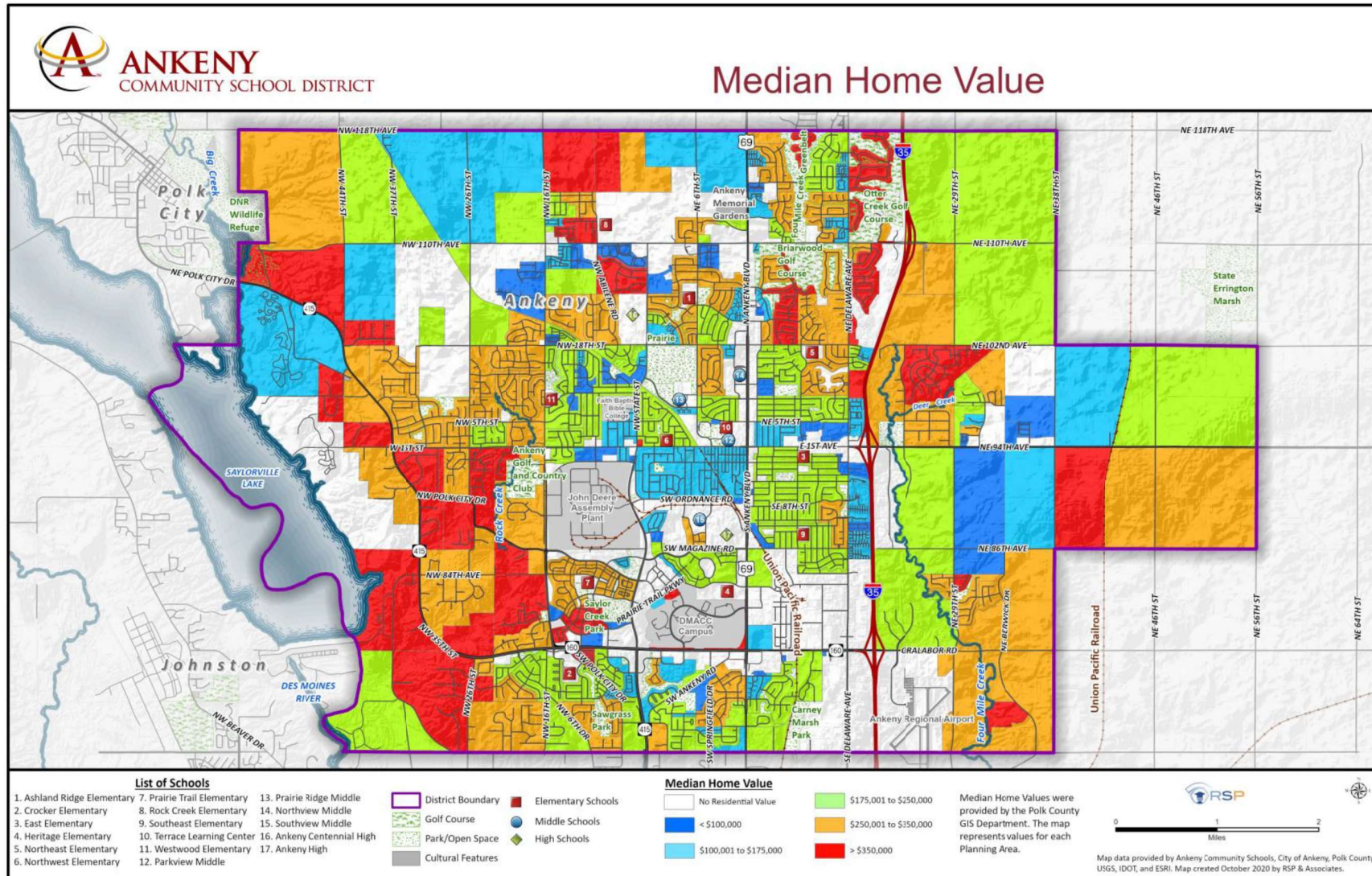
Sources: Ankeny Community School District, Polk County, City of Ankeny, RSP & Associates

Multi-Family Table Explanation

- Multi-family consists of any residential unit that would be classified as Townhome, Duplex, Apartment, and mobile home – basically everything other than single-family
- Depicts elementary (K-5) enrollment and the corresponding yield rate for 100 housing units
- Single-Family residential average (.28) has a higher student yield rate when compared to Multi-Family residential (.08) within the district.
- Multi-Family residential average (.08) has stayed consistent over the past decade
- Adding newer housing inventory typically can increase the yield rate
 - The Heat map assists in understanding how that has changed over time (Page 27)
 - Residential unit activity provides the basis for timeline and where units likely are built (Page 34)
 - From 2003 to 2020 there were approximately **14,496** multi-family units added to the building inventory

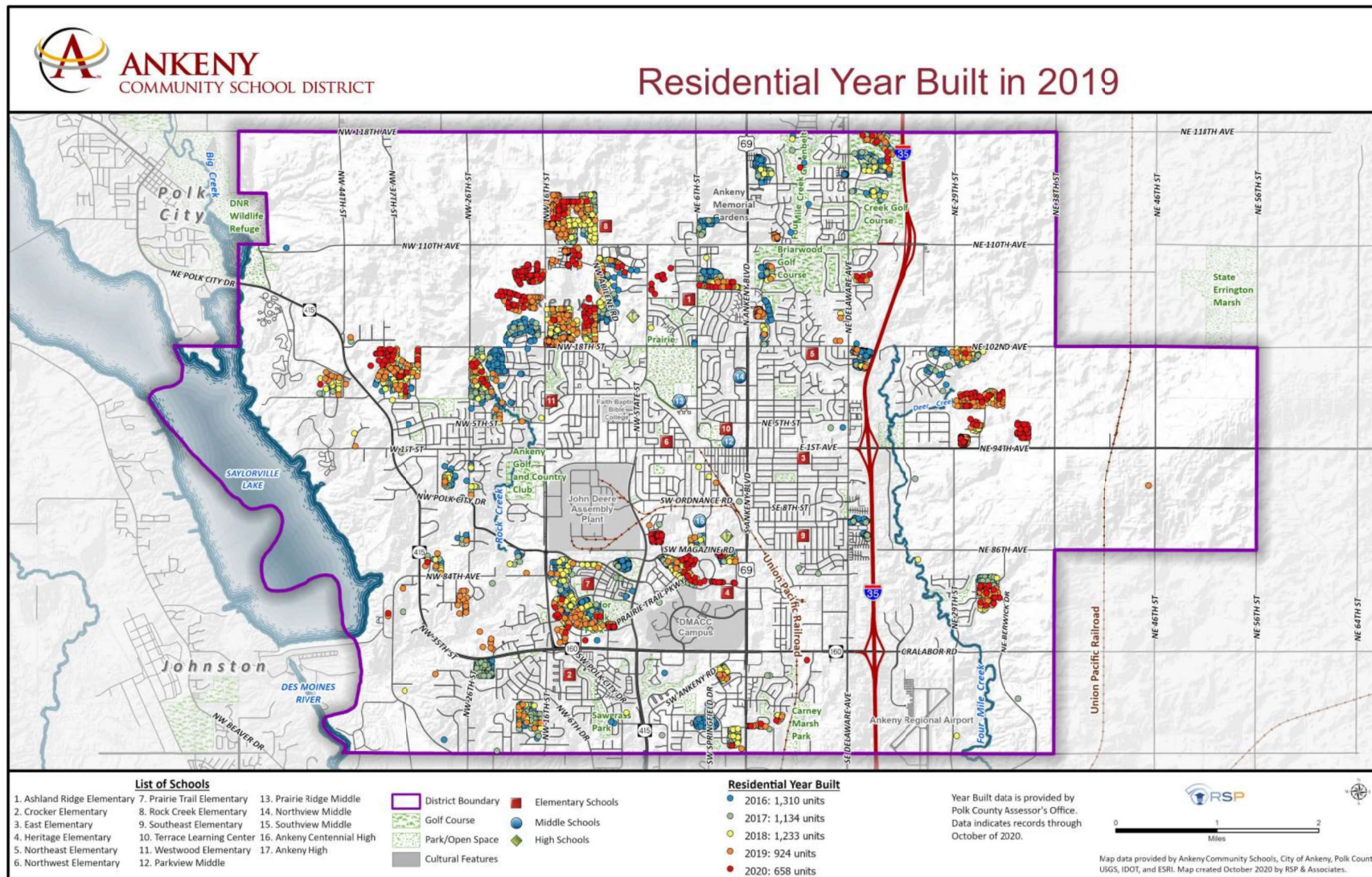
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Median Home Value



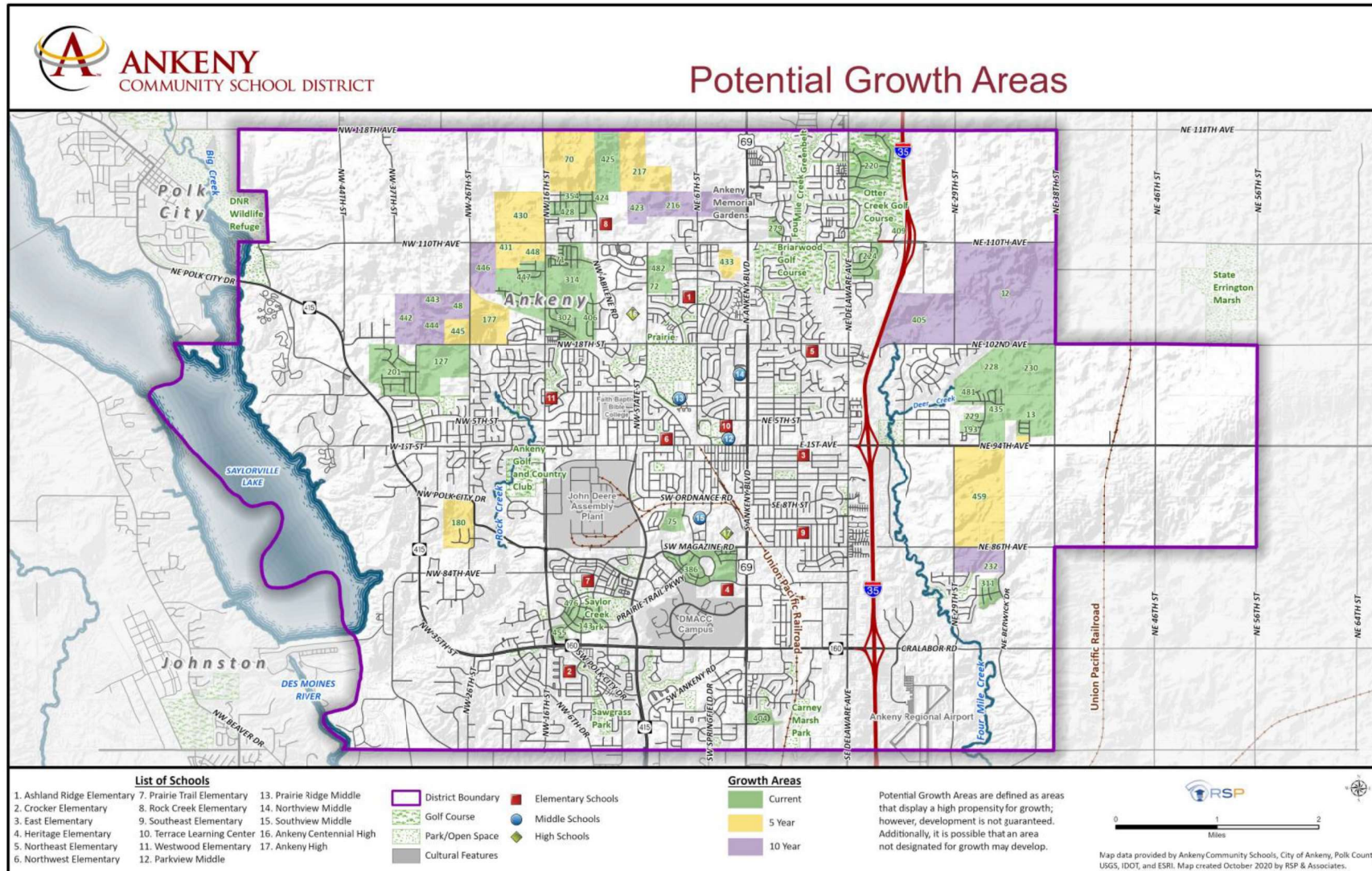
- Based on assessed Home Value as provided and maintained by the county assessor's office
- Home values correlated to socio-economic status – new areas tend to be the least affordable
- Areas shaded in **Orange** and **Red** have the greatest Median Home Value, **Blue** represents the greatest affordability
- Older homes remain the most affordable

Residential Year Built



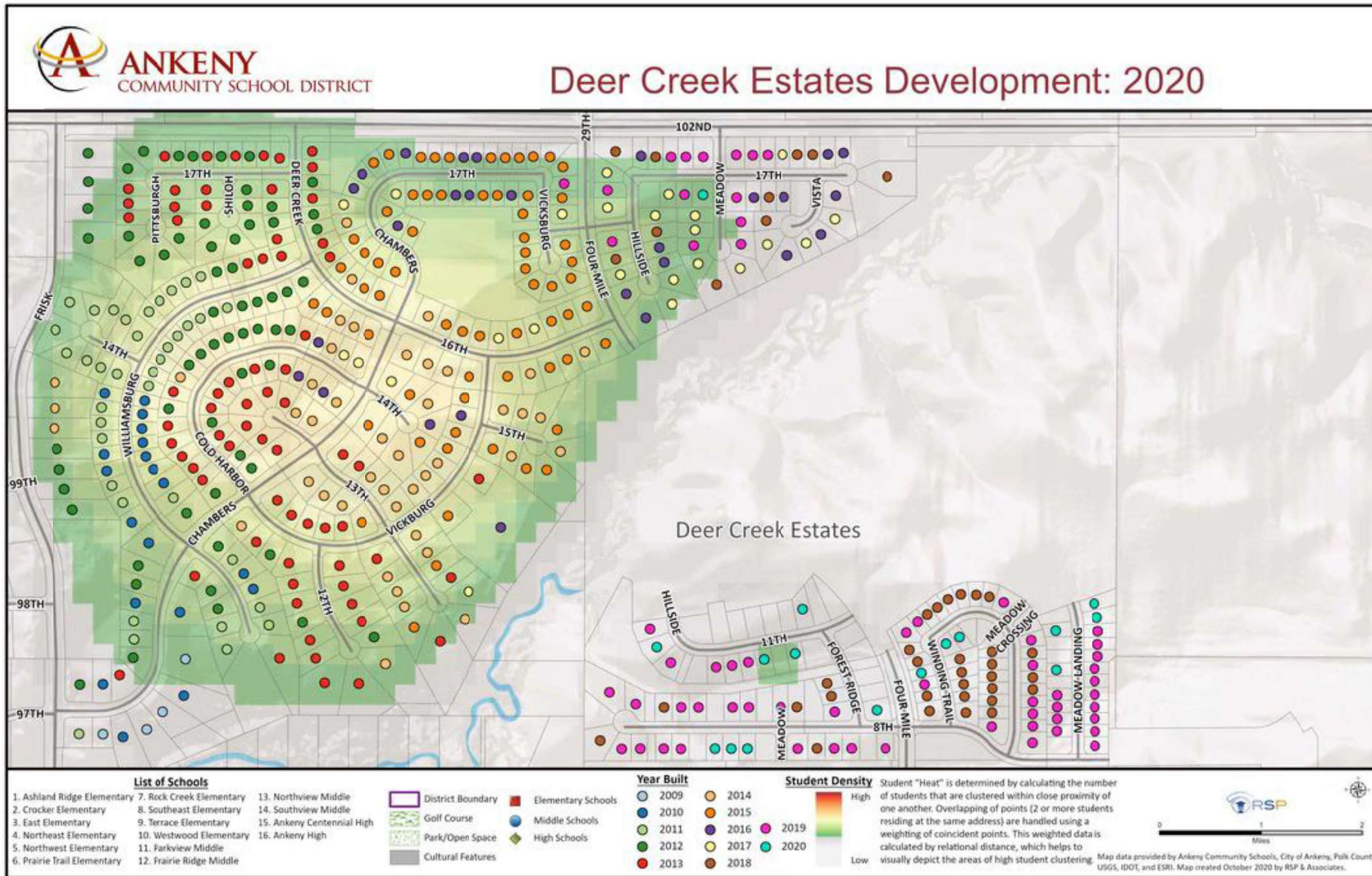
- Reveals the build out and timing of residential development within the district
- Some new areas do not necessarily lead to similar yield rates of like developments
- While areas may be platted for residential it may take several years for houses to be built and new student residents to move in
- 658 units were built in 2020 but enrollment still declined

Growth Areas



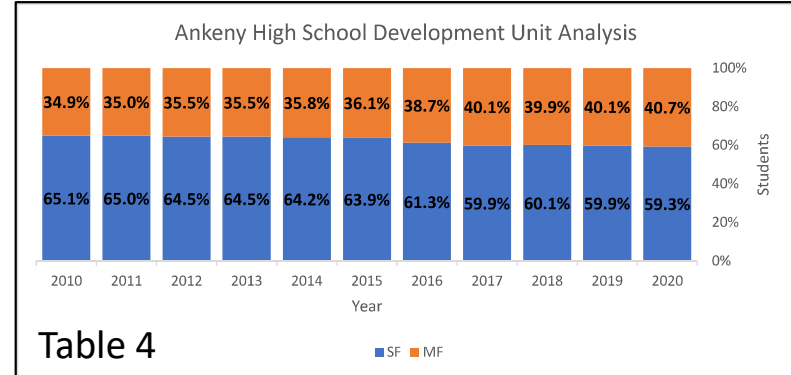
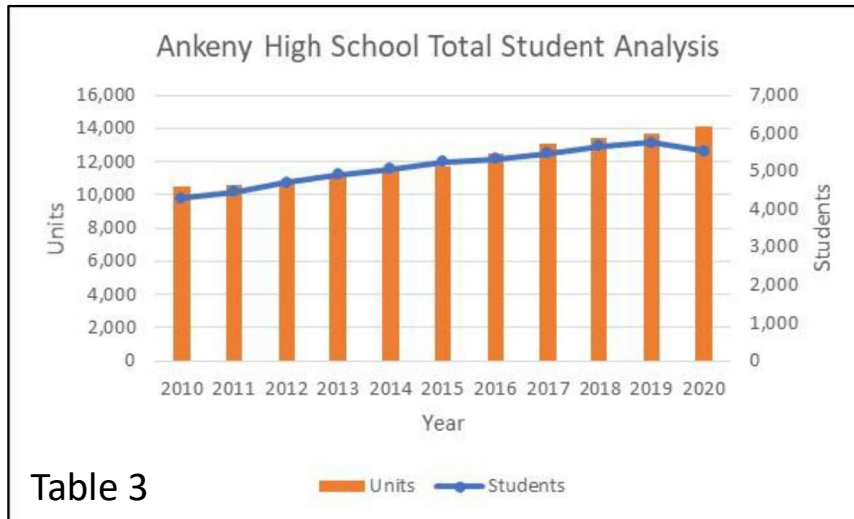
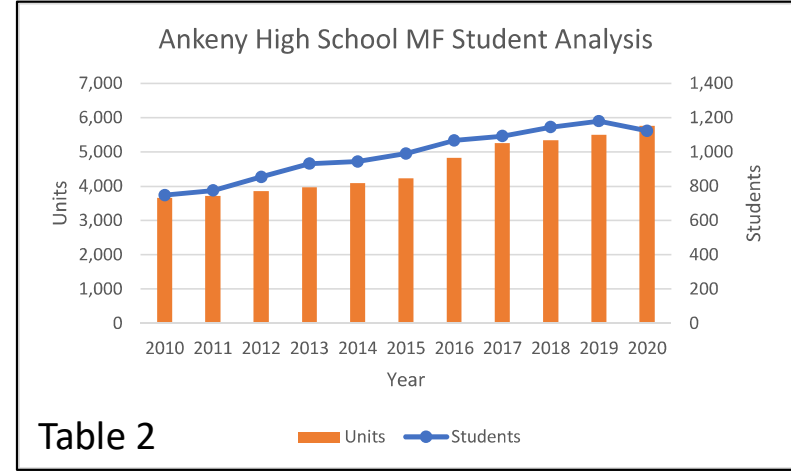
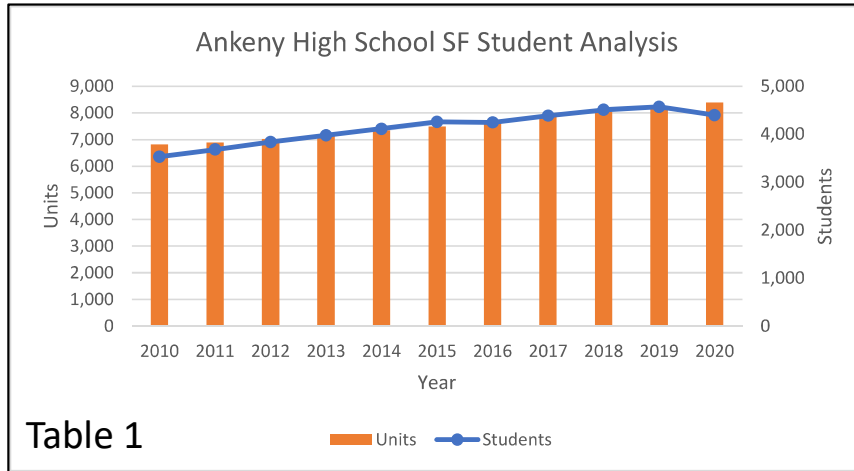
- Identifies where development activity is happening (**Green**). Identifies possible areas that could develop (**Yellow and Purple**)
- The market and property owners desire to build guides the timing of development. Other properties not shown might develop while some shown might not develop

Development near Deer Creek



- This video depicts the residential development (multi-colored dots) and student density (green to yellow shading)
- Notice the lag of the student density behind the residential year built.

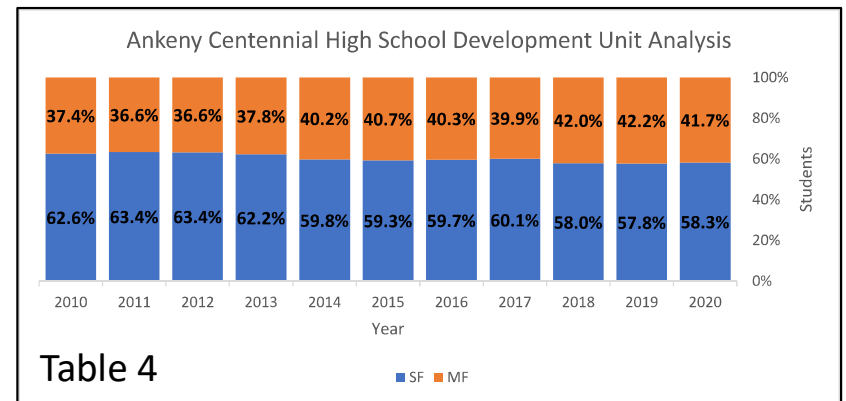
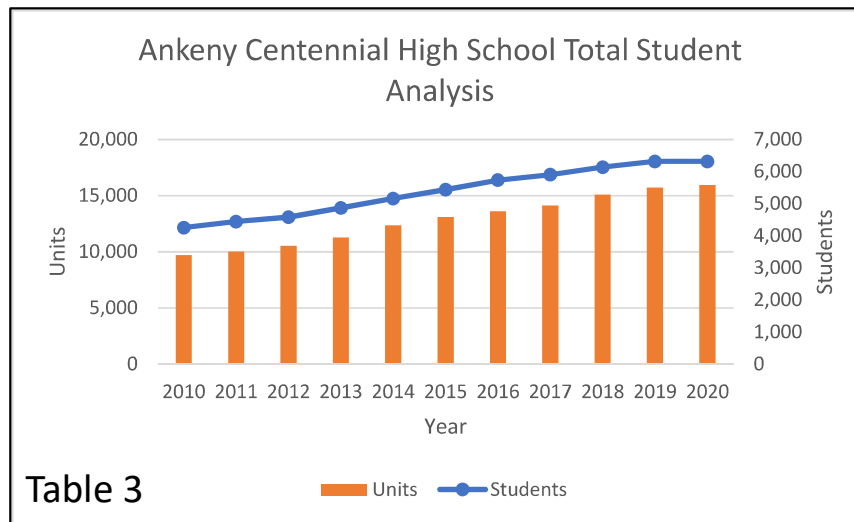
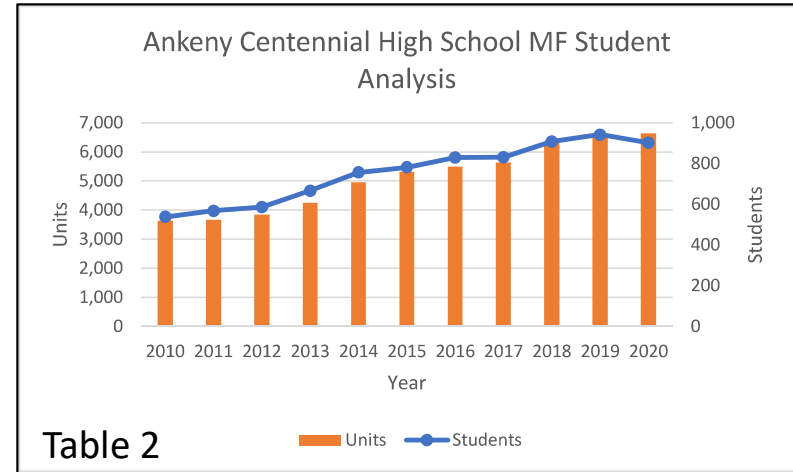
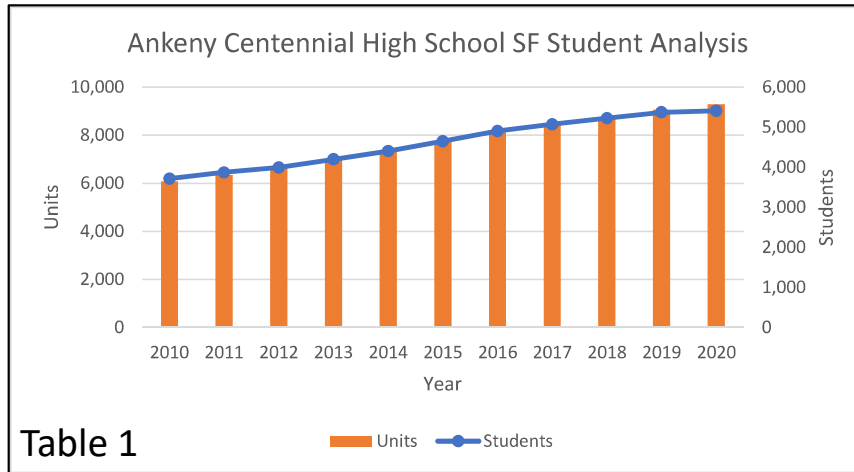
Ankeny High (South Feeder) Analysis



Notes:

- Table 1: The number of Single-Family (SF) units available by year in Ankeny HS feeder and the number of students attending Ankeny HS feeder
- Table 2: The number of Multi-Family (MF) units available by year in Ankeny HS student boundary and the number of students attending Ankeny HS feeder
- Table 3: The total number of units and students by year with the Ankeny HS feeder
- Table 4: The percentage of units by development type (Blue is SF and Orange is MF)

Ankeny Centennial High (North Feeder) Analysis



Notes:

- Table 1: The number of Single-Family (SF) units available by year in Ankeny Centennial HS feeder and the number of students attending Ankeny Centennial HS feeder
- Table 2: The number of Multi-Family (MF) units available by year in Ankeny Centennial HS feeder and the number of students attending Ankeny Centennial HS feeder
- Table 3: The total number of units and students by year within the Ankeny Centennial HS feeder
- Table 4: The percentage of units by development type (Blue is SF and Orange is MF)

Development Observation

The following are some general development observations:

- Building activity has kept pace with some of the years with the greatest building activity but will potentially slow for the next year or two because of COVID-19
- More development is occurring in Ankeny Centennial High (North Feeder)
 - This will yield more students to attend North Feeder
- Single-Family residential has the highest propensity to have school aged students, yield rates of this development type are typically greater than Multi-Family (Building Permit production in 2020 in less than previous years)
 - Both Ankeny Centennial High (North Feeder) and Ankeny High (South Feeder) have about 60% of their development as SF and 40% is MF
- Population has continued to increase, where residential development has drastically slowed, housing product must remain affordable for the district to continue growth
- In 2020 there has been a tremendous increase in the number of townhomes being issued building permits and conversation with developers about new townhome developments
- Areas for growth are most likely to happen at the five to ten-year mark, growth in these areas are dependent on access to infrastructure
- Potential for more activity east of I-35 as infrastructure expands
- Potential more activity north and outside of the Ankeny School District
- Future residential development activity is dependent on the economy, specifically employment, interest rates, and home foreclosures
- Tracking the types of development is important to understand the yield rate of students for every part of the community—there are varying yield rates with all developments
- Monitoring the economic impacts of COVID-19 on the community in terms of students physically residing in the community or utilizing online learning environments along with how communities adapt to changes with respect to attending sporting events and day to day shopping, as well as interaction with people could radically change where people choose to live, and as such the number of students the district will have in future years



Part Three

Enrollment Projections



Projection Accuracy

Elementary

- Projected: 5,887
- Actual: 5,485
- Accuracy: **93.2%**

Middle School

- Projected: 3,781
- Actual: 3,681
- Accuracy: **97.4%**



High School

- Projected: 2,718
- Actual: 2,668
- Accuracy: **98.2%**

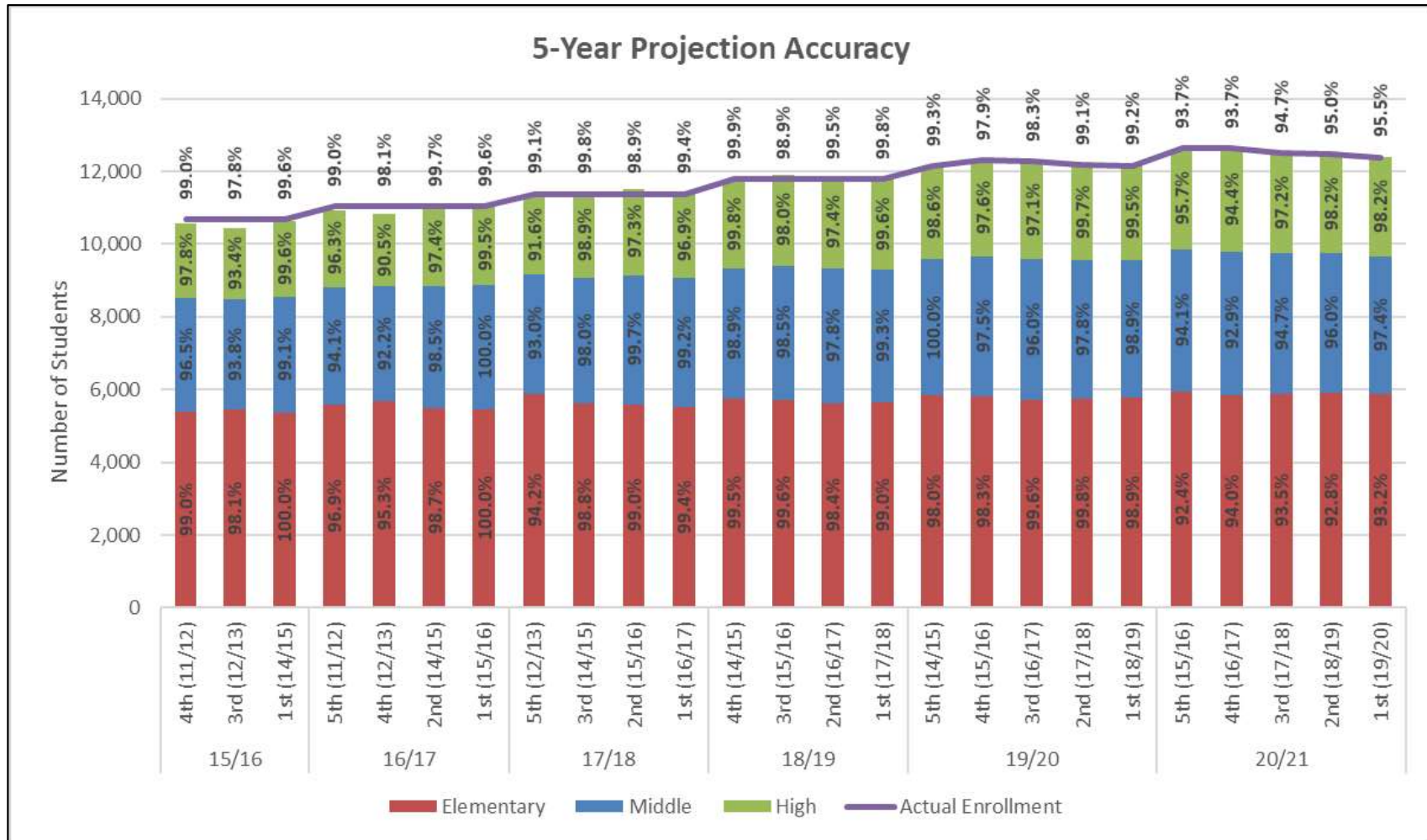
District

- Projected: 12,386
- Actual: 11,834
- Accuracy: **95.5%**

Notes:

- This accuracy is the 1st year of the 2020/21 RSP Projections, conducted in 19/20
- A Global Pandemic like COVID-19 could not have been predicted and significantly impacted 20/21 projections
- Having enrollment decrease is likely a new result from COVID-19 that must be monitored to determine if this will become a trend to specific grades and/or overall new enrollment trends
- Many areas of the community have significant demographic shifts influencing changes in enrollment (type of households not generating similar yield rates of students)
- A good portion of analysis is spent on examining the data to determine if some of the cohort decreases are likely to continue to decrease or if just an outlier

Accuracy Trends



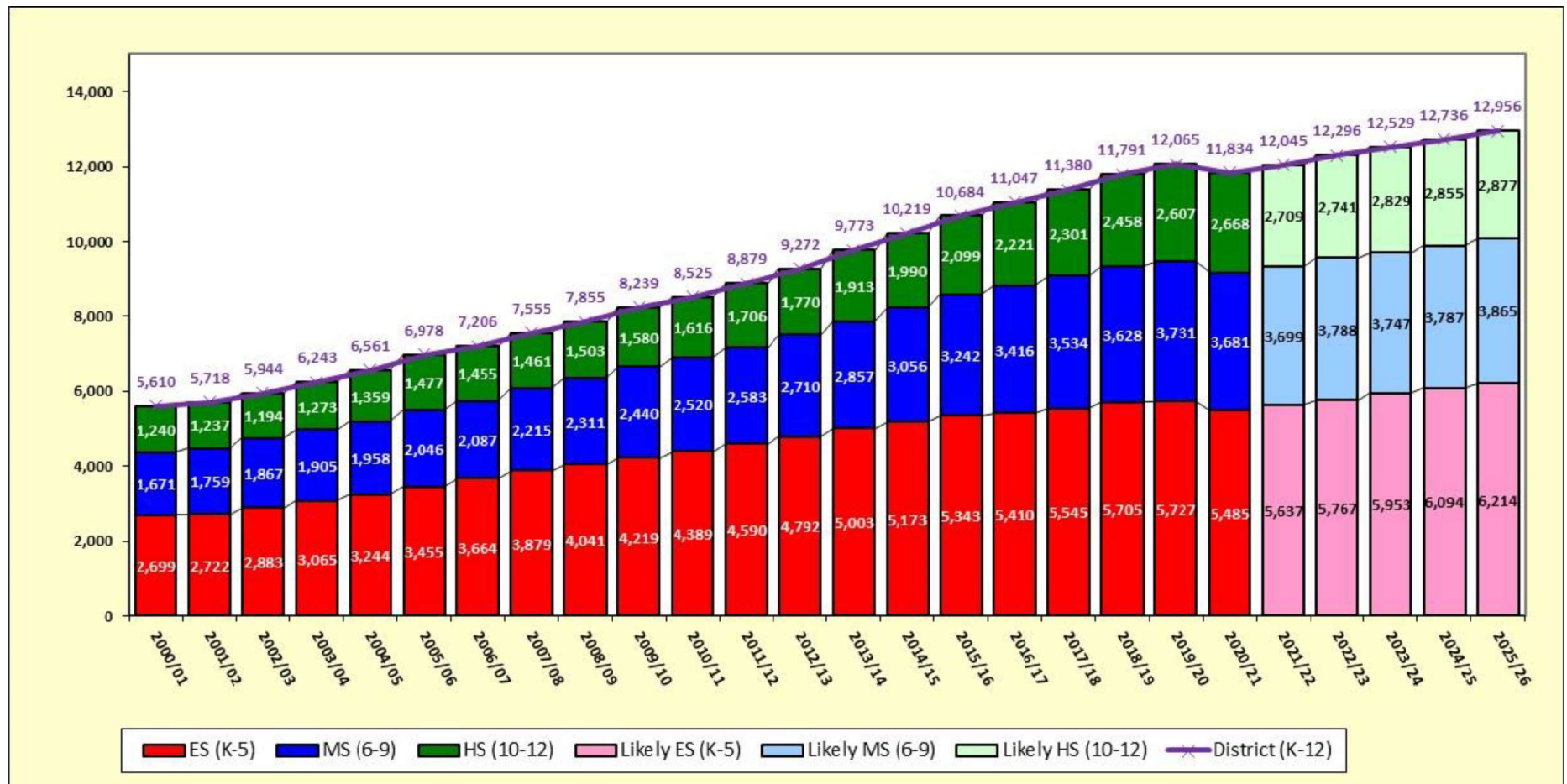
Accuracy Trends

- RSP has maintained an average of 98.2% for district enrollment for 25 projections
- Projection accuracy for 2020/21 is lower due to unexpected global pandemic
- The RSP projections should be integrated into all areas of district planning

COVID Impact On Projections

- Previously, RSP had maintained a 99.1% district projection accuracy rate for the last 25 projections
- COVID-19 was unexpected and could not have been predicted
- Enrollment was projected to increase in 2020/21, but the pandemic resulted in a decline from 2019/20
- An unanticipated amount of students left the district in 2020/21 for other learning options (homeschooling, transfer to nonpublic school, parent's choice, etc.)
- Enrollment is projected to rebound and again increase in the upcoming years
- Future projections have been enhanced to factor in the potential impact of COVID-19

Projection View



Source: Census Bureau, Polk County, Ankeny Community Schools, and RSP SFM & Demographic Models

- Enrollment Change – Overall enrollment increase anticipated (Elementary, Middle, and High)
- Increases based on continued development opportunities within the district and a COVID recovery
- District increases by nearly 1,100 students (+9.1%) (+1.7% to +2.1% a year)
- **Elementary increases by over 700 students (+12.6%) (+2.0% to +3.2% a year)**
- Middle School increases by nearly 200 students (+4.9%) (-1.1% to +2.1% a year)
- High School increases by over 200 students (+7.6%) (+0.8% to +3.2% a year)


Projection Notes

- Past Enrollment is shown three different ways:
 1. Reside (Based on where a student Resides in relation to the attendance area – includes Open Enrollment)
 2. Attend (Based on what school the student is attending includes Open Enrollment)
 3. Reside/Attend (Subset of Reside to know how many of the Reside attend the school based on the attendance area they are assigned to)
- Projections are shown one way:
 1. Reside (Based on where a student Resides in relation to the attendance area: Includes Open Enrollment)
- Capacity
 - Provided by district administration
 - Should be annually examined to ensure appropriate education space is available
- Other Items
 - Enrollment Grade Configuration in Student Forecast Model (K-5, 6-7, 8-9, 10-12)
 - Open enrollment trends are assumed to follow district policy and will continue like those trends during the projection time frame
 - Heritage Elementary opened in the 2020/21 school year

Elementary Projections

School	School Capacity	Student Location	Past School Enrollment				Projections Based on Residence				
			2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Ashland Ridge Elementary K to 5th NORTH FEEDER	640	Reside/Attend Reside Attend	621 605	675 659	667 688 679	654 700 677	749	790	851	901	957
Crocker Elementary K to 5th SOUTH FEEDER	640	Reside/Attend Reside Attend	619 611	606 600	593 618 609	523 538 531	522	525	520	535	533
East Elementary PreK to 5th SOUTH FEEDER	480	Reside/Attend Reside Attend	336 348	366 402	382 363 418	389 412 392	425	418	428	417	419
Heritage Elementary K to 5th SOUTH FEEDER	800	Reside/Attend Reside Attend	0 0	0 0	0 0 0	529 562 531	560	571	586	601	633
Northeast Elementary PreK to 5th NORTH FEEDER	640	Reside/Attend Reside Attend	579 576	621 616	610 635 635	613 643 626	680	711	744	734	743
Northwest Elementary K to 5th NORTH FEEDER	480	Reside/Attend Reside Attend	383 368	389 374	349 371 362	337 345 375	356	375	380	388	374
ELEMENTARY TOTAL K to 5th	6,560	Reside/Attend Reside Attend	5,545 5,545	5,705 5,705	5,485 5,727 5,727	5,256 5,485 5,485	5,637	5,767	5,953	6,094	6,214

Source: RSP & Associates, LLC - November 2020

 Over School Capacity

- Ashland Ridge (North Feeder) and Northwest Elementary (North Feeder) are over capacity in 2020/21 through 2025/26

**All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Counts (Statistically 99% greater match by grade).*

Elementary Projections

School	School Capacity	Student Location	Past School Enrollment				Projections Based on Residence				
			2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Prairie Trail Elementary K to 5th SOUTH FEEDER	800	Reside/Attend Reside Attend	717 722	729 713	705 721 714	524 540 536	540	532	529	526	518
Rock Creek Elementary K to 5th NORTH FEEDER	800	Reside/Attend Reside Attend	662 684	696 718	676 712 725	666 713 710	738	752	794	816	816
Southeast Elementary K to 5th SOUTH FEEDER	640	Reside/Attend Reside Attend	637 660	649 664	589 621 644	432 435 493	472	515	556	612	662
Terrace Elementary K to 5th SOUTH FEEDER	0	Reside/Attend Reside Attend	349 314	329 293	271 342 277	0 0 0	0	0	0	0	0
Westwood Elementary K to 5th NORTH FEEDER	640	Reside/Attend Reside Attend	642 657	645 666	643 656 664	589 597 614	595	578	565	564	559
ELEMENTARY TOTAL K to 5th	6,560	Reside/Attend Reside Attend	5,545 5,545	5,705 5,705	5,485 5,727 5,727	5,256 5,485 5,485	5,637	5,767	5,953	6,094	6,214

Source: RSP & Associates, LLC - November 2020

 Over School Capacity

- Rock Creek (North Feeder) and Southeast (South Feeder) Elementary are over capacity by 2025/26
- ES North Feeder has 684 more students than ES South Feeder in 2025/25

**All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Counts (Statistically 99% greater match by grade).*

Secondary Projections

School	School Capacity	Student Location	Past School Enrollment				Projections Based on Residence				
			2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Parkview Middle School 6th and 7th SOUTH FEEDER	1,100	Reside/Attend Reside Attend	896 902	885 884	915 920 917	861 864 865	824	837	863	863	843
Prairie Ridge Middle School 6th and 7th NORTH FEEDER	1,100	Reside/Attend Reside Attend	916 910	944 945	976 978 981	1,018 1,022 1,021	993	1,035	1,039	1,026	1,100
Northview Middle School 8th and 9th NORTH FEEDER	1,400	Reside/Attend Reside Attend	876 864	909 902	933 947 942	936 945 946	991	1,050	1,017	1,052	1,054
Southview Middle School 8th and 9th SOUTH FEEDER	1,100	Reside/Attend Reside Attend	846 858	890 897	877 886 891	840 850 849	891	866	828	846	868
MIDDLE TOTAL 6th to 9th	4,700	Reside/Attend Reside Attend	2,688 2,676	2,738 2,731	3,701 3,731 3,731	3,655 3,681 3,681	3,699	3,788	3,747	3,787	3,865

Source: RSP & Associates, LLC - November 2020

 Over School Capacity

- MS North Feeder has more 443 students than MS South Feeder 2025/26

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Secondary Projections

School	School Capacity	Student Location	Past School Enrollment				Projections Based on Residence				
			2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Ankeny High School 10th to 12th SOUTH FEEDER	1,850	Reside/Attend Reside Attend	1,077 1,089	1,201 1,214	1,265 1,279 1,292	1,307 1,319 1,331	1,287	1,297	1,317	1,312	1,300
Ankeny Centennial High School 10th to 12th NORTH FEEDER	1,850	Reside/Attend Reside Attend	1,224 1,212	1,257 1,244	1,301 1,328 1,315	1,325 1,349 1,337	1,422	1,444	1,512	1,543	1,577
ELEMENTARY TOTAL K to 5th	6,560	Reside/Attend Reside Attend	5,545 5,545	5,705 5,705	5,485 5,727 5,727	5,256 5,485 5,485	5,637	5,767	5,953	6,094	6,214
MIDDLE TOTAL 6th to 9th	4,700	Reside/Attend Reside Attend	2,688 2,676	2,738 2,731	3,701 3,731 3,731	3,655 3,681 3,681	3,699	3,788	3,747	3,787	3,865
HIGH TOTAL 10th to 12th	3,700	Reside/Attend Reside Attend	3,147 3,159	3,348 3,355	2,566 2,607 2,607	2,632 2,668 2,668	2,709	2,741	2,829	2,855	2,877
DISTRICT TOTALS K to 12th	14,960	Reside/Attend Reside Attend	11,380 11,380	11,791 11,791	11,752 12,065 12,065	11,543 11,834 11,834	12,045	12,296	12,529	12,736	12,956

Source: RSP & Associates, LLC - November 2020

 Over School Capacity

- Ankeny Centennial HS and Ankeny HS additions occurs in 2021/22 (school capacity reflects addition)
- Ankeny Centennial High (North Feeder) has 277 more students than Ankeny High (South Feeder) in 2025/26


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Reside Projections By Grade

2021/22 School Year

School	School Capacity	Grade													Total
		Kind	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	
Ashland Ridge Elementary	640	149	138	124	115	105	118								749
Crocker Elementary	640	95	86	89	72	95	85								522
East Elementary	480	77	70	69	75	67	67								425
Heritage Elementary	800	100	88	79	99	102	92								560
Northeast Elementary	640	112	121	102	124	103	118								680
Northwest Elementary	480	69	59	74	50	57	47								356
Prairie Trail Elementary	800	83	75	92	89	95	106								540
Rock Creek Elementary	800	122	116	139	124	105	132								738
Southeast Elementary	640	91	84	78	72	77	70								472
Terrace Elementary	0	0	0	0	0	0	0								0
Westwood Elementary	640	97	89	99	94	99	117								595
Parkview Middle School	1,100							420	404						824
Prairie Ridge Middle School	1,100							485	508						993
Northview Middle School	1,400									523	468				991
Southview Middle School	1,100									459	432				891
Ankeny High School	1,850											415	436	436	1,287
Ankeny Centennial High School	1,850											488	467	467	1,422
DISTRICT TOTALS	14,960	995	926	945	914	905	952	905	912	982	900	903	903	903	12,045

Source: RSP & Associates, LLC - November 2020

 Over School Capacity



- The information depicts what the enrollment would be at each school if the projected students attended the school in which they reside – Two North feeder elementary schools will be over the building capacity (Ashland Ridge and Westwood)
- Terrace Elementary will become the District-wide Early Childhood Center in 2020/21, no longer serving K-5 students
- COVID has impacted the potential of having more than 1,000 students in some of the grades

**All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Counts (Statistically 99% greater match by grade).*

Future Feeder Trends

Feeder System	Feeder Capacity	Past Enrollment						Projected Enrollment									
		2018/19		2019/20		2020/21		2021/22		2022/23		2023/24		2024/25		2025/26	
		Enrollment	% Feeder	Enrollment	% Feeder	Enrollment	% Feeder	Enrollment	% Feeder	Enrollment	% Feeder	Enrollment	% Feeder	Enrollment	% Feeder	Enrollment	% Feeder
North Feeder ES Students	3,200	3,026	53.0%	3,062	53.5%	2,998	54.7%	3,118	55.3%	3,206	55.6%	3,334	56.0%	3,403	55.8%	3,449	55.5%
South Feeder ES Students	3,360	2,679	47.0%	2,665	46.5%	2,487	45.3%	2,519	44.7%	2,561	44.4%	2,619	44.0%	2,691	44.2%	2,765	44.5%
North Feeder MS Students	2,500	1,853	51.1%	1,925	51.6%	1,967	53.4%	1,984	53.6%	2,085	55.0%	2,056	54.9%	2,078	54.9%	2,154	55.7%
South Feeder MS Students	2,200	1,775	48.9%	1,806	48.4%	1,714	46.6%	1,715	46.4%	1,703	45.0%	1,691	45.1%	1,709	45.1%	1,711	44.3%
North Feeder HS Students	1,850	1,257	51.1%	1,328	50.9%	1,349	50.6%	1,422	52.5%	1,444	52.7%	1,512	53.4%	1,543	54.0%	1,577	54.8%
South Feeder HS Students	1,850	1,201	48.9%	1,279	49.1%	1,319	49.4%	1,287	47.5%	1,297	47.3%	1,317	46.6%	1,312	46.0%	1,300	45.2%
Total ES Students	6,560	5,705	99.0%	5,727	99.4%	5,485	83.6%	5,637	85.9%	5,767	87.9%	5,953	90.7%	6,094	92.9%	6,214	94.7%
Total MS Students	4,700	3,628	77.2%	3,731	79.4%	3,681	78.3%	3,699	78.7%	3,788	80.6%	3,747	79.7%	3,787	80.6%	3,865	82.2%
Total HS Students	3,700	2,458	66.4%	2,607	70.5%	2,668	72.1%	2,709	73.2%	2,741	74.1%	2,829	76.5%	2,855	77.2%	2,877	77.8%
Total District Students	14,960	11,791	78.8%	12,065	80.6%	11,834	79.1%	12,045	80.5%	12,296	82.2%	12,529	83.8%	12,736	85.1%	12,956	86.6%

Source: RSP & Associates, LLC - November 2020

 Over 50% of Students in the Feeder
 Over Capacity

Timing of Feeder Change Discussion

- Data continues to suggest more enrollment growth will happen in the north feeder system (Centennial HS)
- Current plan is to have a new ES in the North Feeder by the 2023/24 school year
- Location of next elementary sites could be influenced by the data (North or South)
- The High school continues to have a reasonably similar balance of Reside students but that is changing as larger grades cohort in future years
- The largest imbalance occurs with more students in the North feeder in Elementary and Middle school levels
- When any of the % Feeder (ES/MS/HS) becomes greater than 95%, there is limited district-wide capacity remaining in that grade level (Example ES in 2024/25 through 2025/26 – which means changing feeders is not sufficient to address)
- Attendance areas may need to be reconsidered for a future balance in feeder system

Long Term Enrollment Trends

Past, Current, and Future Enrollment From 2000/01 to 2030/31

Grade	School Year																			
	2000/01	2005/06	2010/11	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	
K	454	583	775	908	905	932	954	1,009	915	995	1,023	1,050	1,044	1,058	1,097	1,138	1,185	1,217	1,256	
1st	464	602	771	881	903	935	961	957	940	926	1,007	1,034	1,058	1,052	1,062	1,101	1,163	1,190	1,241	
2nd	442	596	737	934	883	916	960	952	904	945	934	1,015	1,038	1,063	1,064	1,074	1,113	1,176	1,203	
3rd	438	573	733	875	945	898	930	964	892	914	953	942	1,021	1,043	1,082	1,083	1,087	1,126	1,190	
4th	428	569	709	878	885	964	918	920	940	905	930	967	956	1,034	1,054	1,094	1,100	1,107	1,147	
5th	473	532	664	867	889	900	982	925	894	952	920	945	977	964	1,065	1,086	1,109	1,121	1,138	
6th	452	545	638	864	895	905	912	997	910	905	966	935	955	988	999	1,103	1,123	1,127	1,139	
7th	436	514	665	812	872	907	917	901	976	912	906	967	934	955	993	1,004	1,109	1,129	1,144	
8th	381	495	608	810	826	875	909	915	891	982	920	913	973	940	956	994	1,005	1,110	1,148	
9th	402	492	609	756	823	847	890	918	904	900	996	932	925	982	950	967	1,011	1,015	1,126	
10th	445	494	538	713	766	809	848	899	907	903	902	996	932	923	992	960	966	1,009	1,025	
11th	403	514	541	688	719	759	815	859	872	903	901	899	991	928	938	1,008	982	955	1,024	
12th	392	469	537	698	736	733	795	849	889	903	938	934	932	1,026	994	1,005	1,044	1,017	1,033	
K-5	2,699	3,455	4,389	5,343	5,410	5,545	5,705	5,727	5,485	5,637	5,767	5,953	6,094	6,214	6,424	6,576	6,757	6,937	7,175	
6-7	888	1,059	1,303	1,676	1,767	1,812	1,829	1,898	1,886	1,817	1,872	1,902	1,889	1,943	1,992	2,107	2,232	2,256	2,283	
8-9	783	987	1,217	1,566	1,649	1,722	1,799	1,833	1,795	1,882	1,916	1,845	1,898	1,922	1,906	1,961	2,016	2,125	2,274	
10-12	1,240	1,477	1,616	2,099	2,221	2,301	2,458	2,607	2,668	2,709	2,741	2,829	2,855	2,877	2,924	2,973	2,992	2,981	3,082	
District	5,610	6,978	8,525	10,684	11,047	11,380	11,791	12,065	11,834	12,045	12,296	12,529	12,736	12,956	13,246	13,617	13,997	14,299	14,814	
Enrollment Change	417	286	465	363	333	411	274	-231	211	251	233	207	220	290	371	380	302	515		

Sources: 2000/01 to 2020/21 Ankeny Community School District

○ 2021/22 to 2025/26 RSP & Associates SFM Projections from the 2019/20 Enrollment 5-Year Projections

● 2026/27 to 2030/31 RSP & Associates estimates based on past enrollment change factors

- Enrollment is anticipated to increase at all grade levels
- Current plan is to have a new ES in the North Feeder by the 2023/24 school year
- Kindergarten roundup is a key element to know if future kindergarten projections will be accurate
- Building permits should be monitored to ensure the amount and type of development will continue to yield students
- Economic trends will also influence the accuracy of enrollment projections
- Red text are where the capacity with the current grade configuration (K-5, 6-7,8-9, 10-12) exceed district-wide available capacity