

Planning for the Future

17/18 Enrollment Report



Presented to the District on **June 11**, 2018

Discussion Points

- **Introductions**
- **Enrollment and Demographics** (Part One)
 - Key Things
 - 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
- **Moving Forward** (Part Four)
 - Key Considerations

About 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
- Clients in Arkansas, Iowa, Illinois, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, and Wisconsin
- Projection accuracy of 97% or greater

Planning

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Our Clients



NORTH DAKOTA

Alexander
Bismarck
Central Cass
Fargo
Garrison
Glenburn
Grand Forks
Jamestown
Killdeer
Mandan
McKenzie County
Minot
New Public School 8
Northern Cass
Richardton Taylor
Rugby
West Fargo
Wilton

ILLINOIS

Glenview 34
Indian Prairie 204
Keeneyville 20
Naperville 203
Norridge 80
Oswego 308
Rockford 205
Yorkville 115

MISSOURI

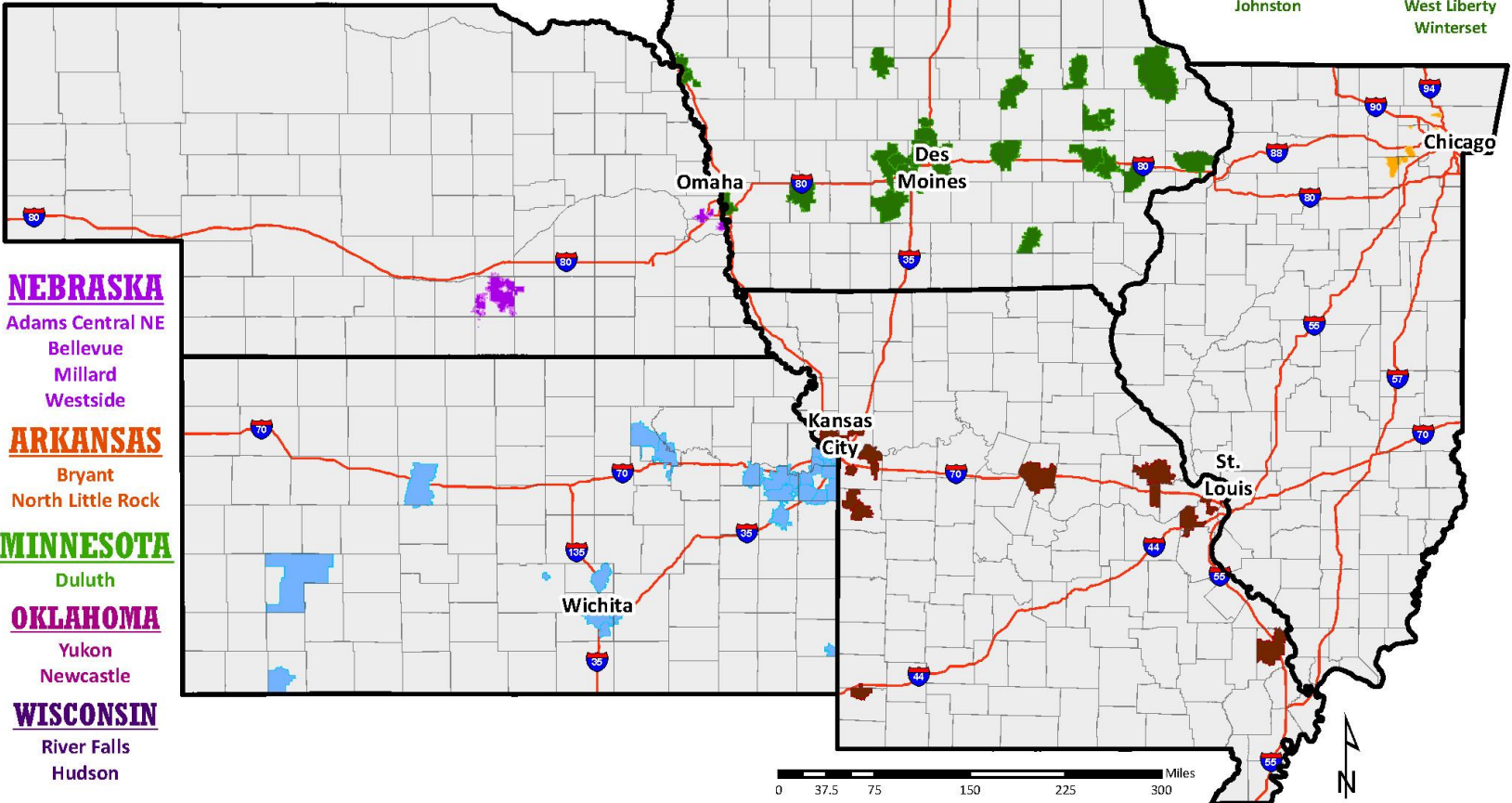
Columbia
Diamond R-IV
Fort Osage R-I
Grain Valley
Harrisonville R-IX
Jackson
Jennings
Kearney R-I
Ladue
North Kansas City
Pattonville R-III
Platte County R-III
Raymore-Peculiar R-II
Raytown C-2
Rockwood
Troy R-III
University City
Wright City R-II

KANSAS

Andover
Baldwin City
Bonner Springs
Derby
De Soto
Eudora
Garden City
Gardner-Edgerton
Hays
Hutchinson
Kansas City
Lawrence
Liberal
Maize
Manhattan-Ogden
Newton
Ottawa
Pittsburg
Piper-Kansas City
Riley County
Shawnee Heights
Shawnee Mission
Spring Hill
Turner- Kansas City
Wichita

IOWA

Adel DeSoto Minburn
Ames
Ankeny
Atlantic
Ballard
Bettendorf
Boundurant-Farrar
Cedar Falls
Cedar Rapids
Clear Creek-Amana
Council Bluffs
Dallas Center Grimes
Fort Dodge
Gladbrook-Reinbeck
Grinnell-Newburg
Independence
Iowa City
Johnston
Linn-Mar
Newton
North Polk
North Scott
Norwalk
Okoboji
Ottumwa
Rock Valley
Saydel
Sergeant Bluff-Luton
Sioux City
Southeast Polk
Urbandale
VanMeter
Waukee
West Des Moines
Western Dubuque
West Liberty
Winterset



NEBRASKA

Adams Central NE
Bellevue
Millard
Westside

ARKANSAS

Bryant
North Little Rock

MINNESOTA

Duluth

OKLAHOMA

Yukon
Newcastle

WISCONSIN

River Falls
Hudson

Updated: 02/21/2018

RSP & Associates - Clients

Making it Happen

Adel Desoto Minburn Community School District

- Administration

County and Others

- City of Adel
- City of DeSoto
- Dallas County
- Madison County
- Iowa DOT
- Census Bureau/ Esri
- United States Geological Survey

Thank you!

Visualizing Success

Part One: Enrollment & Demographics

Visualizing Success

Key Things About the District

Enrollment:

- By 2022/23 Projected to increase by >500 students (28.7%) (Annually between 4% and 6%)
- By 2018/19 K-12 enrollment greater than 2,000
- By 2017/18 K-5 enrollment >1,000 students

Capacity:

- Elementary greatest immediate need
- Adel ES exceeds Desired Educational Capacity by 2018/19
- DeSoto Inter exceeds Desired Educational Capacity by 2020/21
- Adel MS exceeds Desired Educational Capacity by 2022/23
- The Facility Master Plan Committee is working on potential solutions

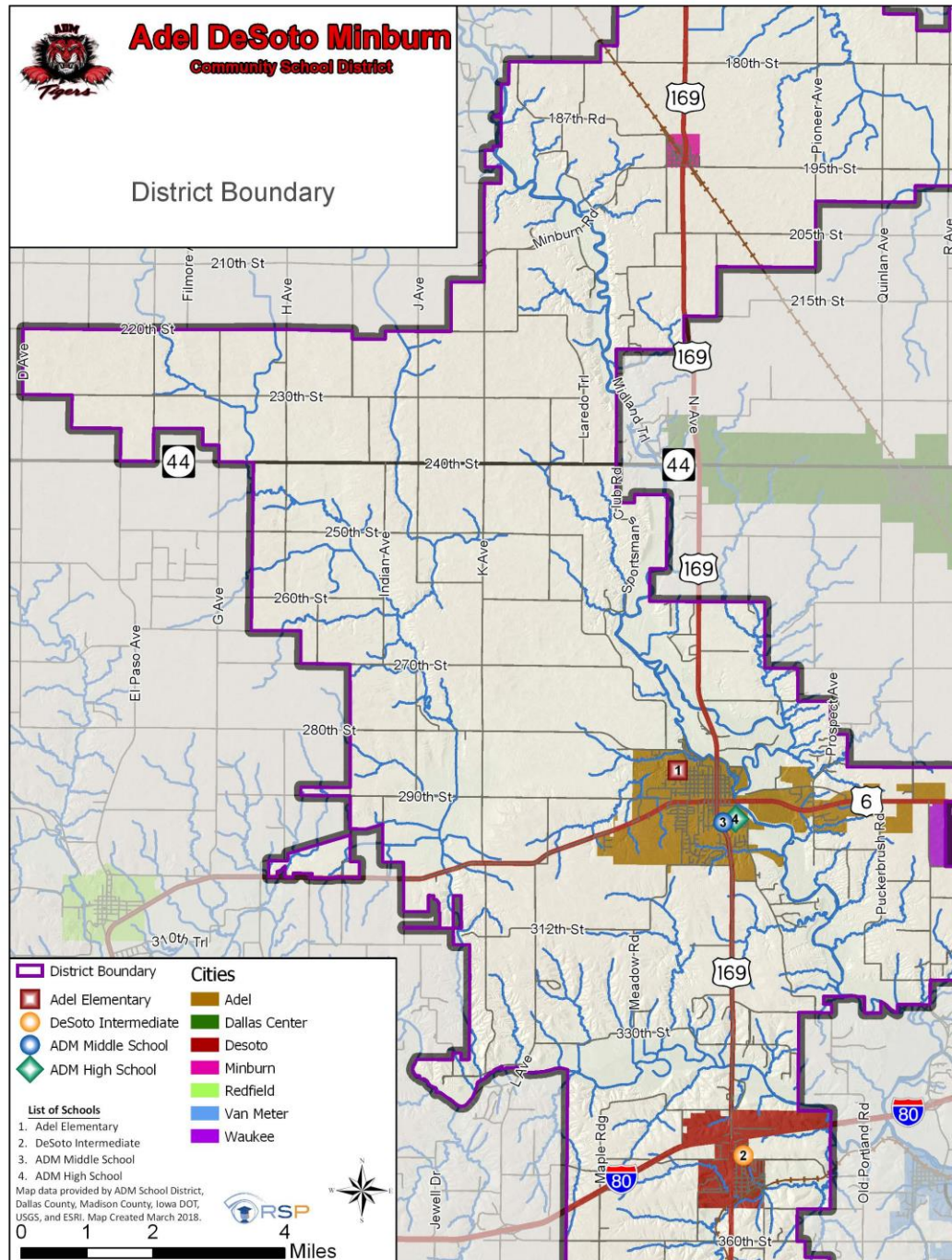
Development:

- Significant available land for residential development
- Annexation plans are regularly discussed
- Abatement in Adel and possibly at some point in the future in DeSoto will influence how quickly the ADM enrollment will increase



Adel DeSoto Minburn Community School District

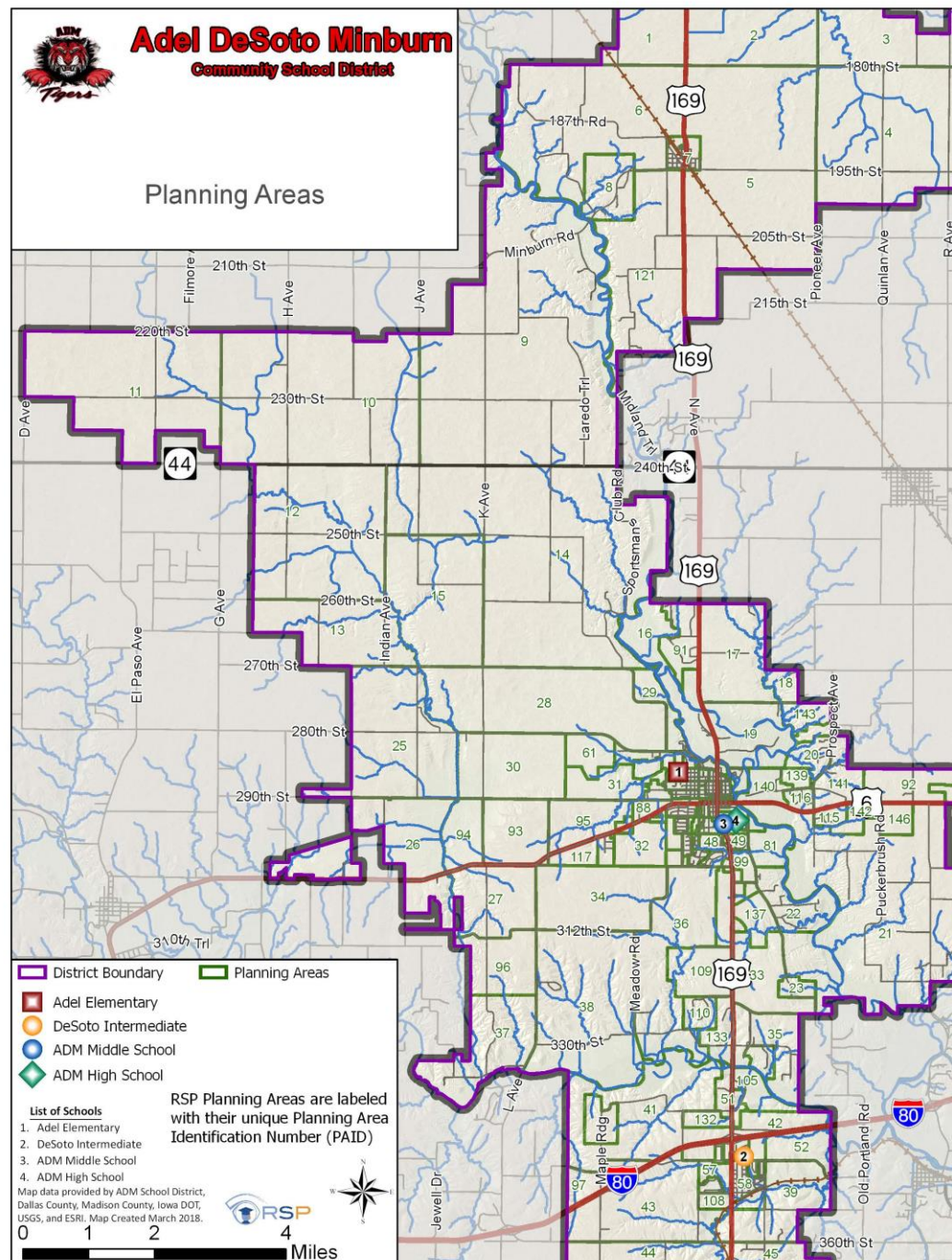
District Boundary



District Boundary

- District Boundary (Purple Line)
- Major Streets
- Major water features & cultural features
- Municipality Limits (Color Shading)

Planning Areas



- **Land Use** (Residential, Commercial, Industrial)
- **Residential Density** (Single-Family, Mobile Home, Duplex, Apartment)
- **Natural Features** (Rivers and Creeks)
- **Manmade Features** (Railroad and Streets)
- **Attendance Area**
- There are over **145** planning areas RSP monitors for demographic, development, and enrollment data sets

Sophisticated Forecast Model

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.

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

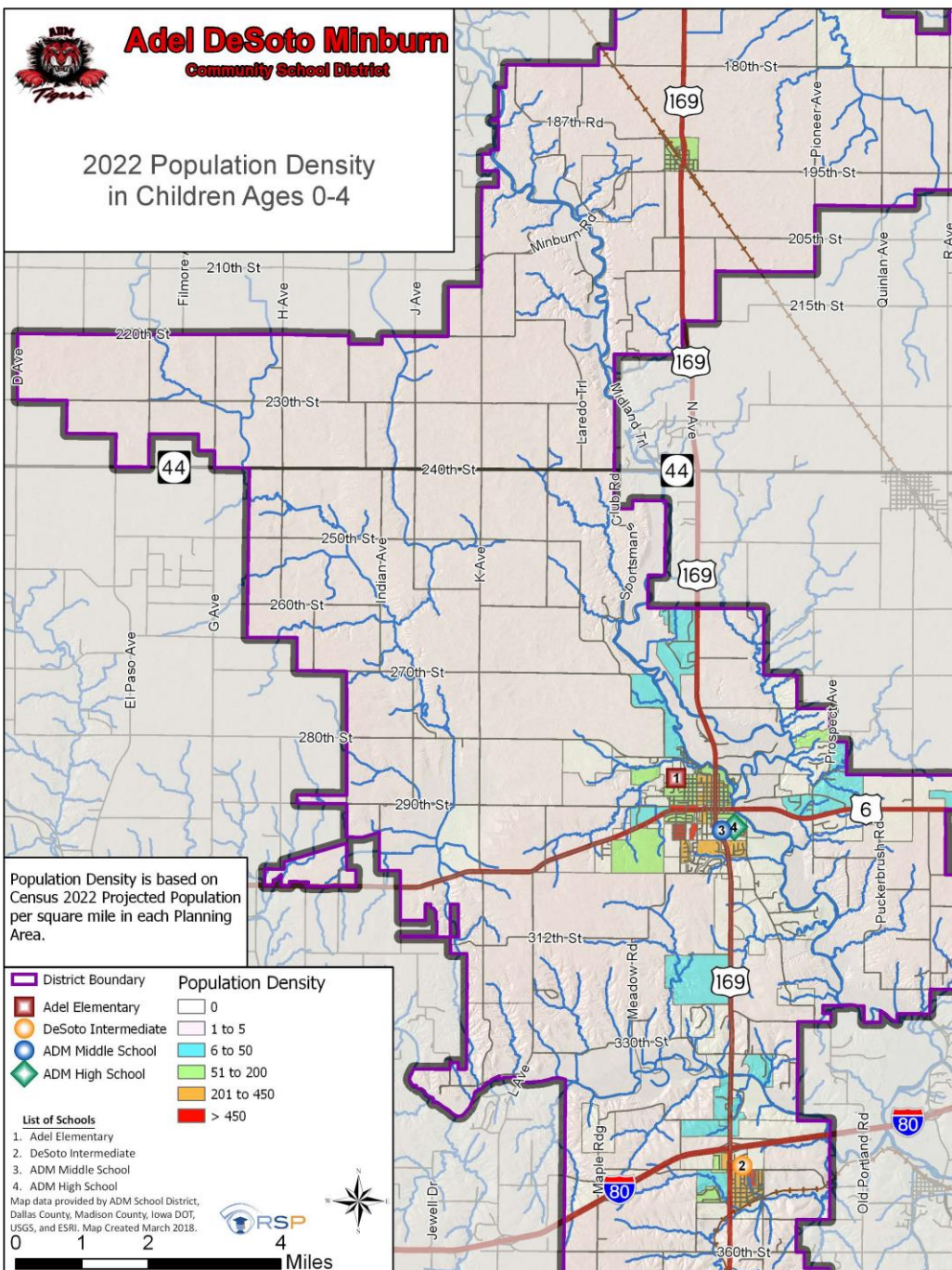
Developing

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

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

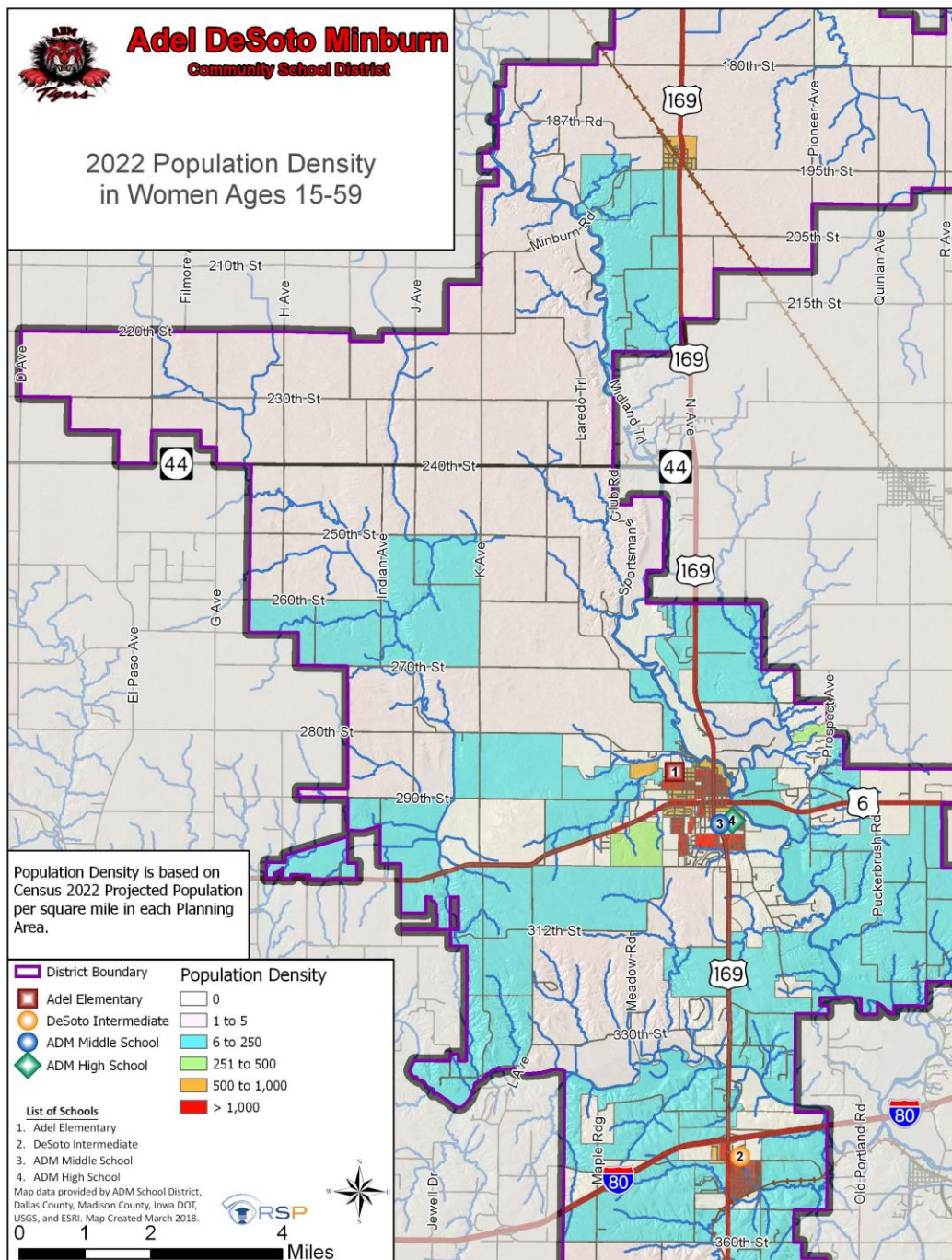
Let:

- S = The number of students, either an actual count or a projected count
- x = A subscript denoting an attendance area in the 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 a planning area
- A = An index which models the likelihood of development
- CT = Building permit control total forecast



Population: Ages 0-4

- Depicted by Census Block Group with 2022 estimates
- Density weighted by land area of each Block Group
- **Red** areas have greatest density, **Light Pink** have the least density
- This data helps benchmark the projection model choices for future student enrollment



Population: Women 15-59

- Depicted by Census Block Group with 2022 estimates
- Density weighted by land area of each Block Group
- **Red** areas have greatest density, **Light Pink** have the least density
- This data helps benchmark the projection model choices for future student enrollment

Demographics

Population

2010-2017 Annual rate

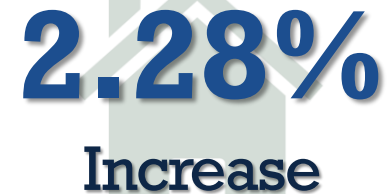
2.20%
Increase



Housing Development

2010-2017 Annual Rate

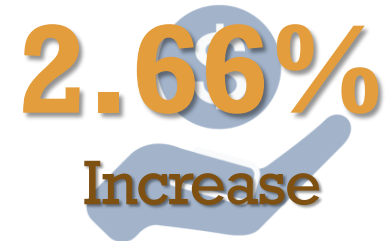
2.28%
Increase



Income

Per Capita; 2017-2022 Annual Rate

2.66%
Increase



Workforce

Public Administration

23.7%



Demographic Comparison

	ADM Community School District	Dallas County, IA	Madison County, IA	State of Iowa
Unemployment Rate	1.3%	1.2%	4.1%	3.0%
Average Household Size	2.52	2.61	2.57	2.42
Median Age	38.2	35.4	41.4	38.9
Total Population	8,950	85,873	16,117	3,199,548
Median Household Income	\$61,481	\$78,997	\$58,787	\$54,832
Total Housing Units	3,686	35,016	6,823	1,403,034
Owner Occupied Housing Units	2,651	25,207	4,764	905,162
Renter Occupied Housing Units	852	7,487	1,421	374,016
Vacancy Rate	5.0%	6.6%	9.4%	8.8%

Ethnicity	ADM Community School District	Dallas County, IA	Madison County, IA	State of Iowa
White	93.3%	79.0%	95.3%	82.9%
Black	0.6%	2.3%	0.5%	3.6%
American Indian	0.4%	0.3%	0.2%	0.4%
Asian	0.8%	5.7%	0.6%	2.5%
Pacific Islander	0.2%	0.1%	0.0%	0.1%
Other Race	0.8%	2.7%	0.3%	2.2%
Two or More Races	1.2%	2.3%	1.4%	2.2%
Hispanic	2.7%	7.6%	1.7%	6.1%

What does this mean?

- Demographic attribute is mostly consistent between the geographies
- The district has a lower vacancy rate when compared to the U.S. of 11.3%
- Total Housing units is expected to increase from its current 3,686 in 2017 to 4,238 by 2022

Past School Enrollment

Enrollment By Grade

Year	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	K-12 Total
2000/01	103	107	91	114	115	111	118	106	115	136	124	123	131	1,494
2001/02	112	88	105	102	114	118	110	121	105	110	135	117	123	1,460
2002/03	123	98	94	111	102	112	126	116	117	113	111	128	119	1,470
2003/04	95	114	94	94	118	103	114	127	124	113	118	109	122	1,445
2004/05	120	98	117	96	97	129	101	113	126	123	114	104	121	1,459
2005/06	98	95	104	123	102	95	133	107	117	127	120	107	102	1,430
2006/07	105	99	103	101	120	102	94	137	105	116	119	110	101	1,412
2007/08	108	112	105	97	101	124	100	106	136	106	114	113	100	1,422
2008/09	99	114	113	113	104	102	127	101	98	135	108	109	119	1,442
2009/10	110	101	114	114	113	106	108	133	101	99	137	113	111	1,460
2010/11	110	107	104	114	116	117	103	110	131	105	98	131	101	1,447
2011/12	121	108	105	108	112	119	123	110	115	132	106	107	131	1,497
2012/13	133	128	116	102	110	117	118	130	114	113	130	114	103	1,528
2013/14	118	133	136	123	103	118	118	117	128	123	109	122	111	1,559
2014/15	131	125	141	136	124	108	125	117	111	129	116	114	120	1,597
2015/16	132	139	132	147	136	127	110	128	121	120	127	115	111	1,645
2016/17	161	144	146	140	148	147	130	120	128	128	123	130	116	1,761
2017/18	134	163	147	152	153	149	151	135	120	130	129	118	124	1,805

Source: ISDE (2000/01 to 2002/03), ADM Community School District (2003/04 to 2017/18)

Table Explanation:

- Largest K-12 class in 2017/18 – 1st grade (163)
- Smallest K-12 class in 2017/18 – 11th grade (118)
- Graduating senior class smaller than the next year incoming Kindergarten class

Enrollment provided by the district

Does not include Early Childhood, Preschool, Age 5 Not in kindergarten, Home School, Private School, or Parochial School

Past School Enrollment Change

Change By Grade from the Previous Year

From	To	K 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	Total Change
2000/01	2001/02	9	-15	-2	11	0	3	-1	3	-1	-5	-1	-7	0	-34
2001/02	2002/03	11	-14	6	6	0	-2	8	6	-4	8	1	-7	2	10
2002/03	2003/04	-28	-9	-4	0	7	1	2	1	8	-4	5	-2	-6	-25
2003/04	2004/05	25	3	3	2	3	11	-2	-1	-1	-1	1	-14	12	14
2004/05	2005/06	-22	-25	6	6	6	-2	4	6	4	1	-3	-7	-2	-29
2005/06	2006/07	7	1	8	-3	-3	0	-1	4	-2	-1	-8	-10	-6	-18
2006/07	2007/08	3	7	6	-6	0	4	-2	12	-1	1	-2	-6	-10	10
2007/08	2008/09	-9	6	1	8	7	1	3	1	-8	-1	2	-5	6	20
2008/09	2009/10	11	2	0	1	0	2	6	6	0	1	2	5	2	18
2009/10	2010/11	0	-3	3	0	2	4	-3	2	-2	4	-1	-6	-12	-13
2010/11	2011/12	11	-2	-2	4	-2	3	6	7	5	1	1	9	0	50
2011/12	2012/13	12	7	8	-3	2	5	-1	7	4	-2	-2	8	-4	31
2012/13	2013/14	-15	0	8	7	1	8	1	-1	-2	9	-4	-8	-3	31
2013/14	2014/15	13	7	8	0	1	5	7	-1	-6	1	-7	5	-2	38
2014/15	2015/16	1	8	7	6	0	3	2	3	4	9	-2	-1	-3	48
2015/16	2016/17	29	12	7	8	1	11	3	10	0	7	3	3	1	116
2016/17	2017/18	-27	2	3	6	13	1	4	5	0	2	1	-5	-6	44
3-Yr Avg		1.0	7.3	5.7	6.7	4.7	5.0	3.0	6.0	1.3	6.0	0.7	-1.0	-2.7	69.3
3-Yr Weighted Avg		-3.7	6.3	5.0	6.7	6.8	4.7	3.3	6.3	0.7	4.8	1.2	-1.7	-3.2	68.7

Source: ISDE (2000/01 to 2002/03), ADM Community School District (2003/04 to 2017/18)

Table Explanation: *Change varies by grade*

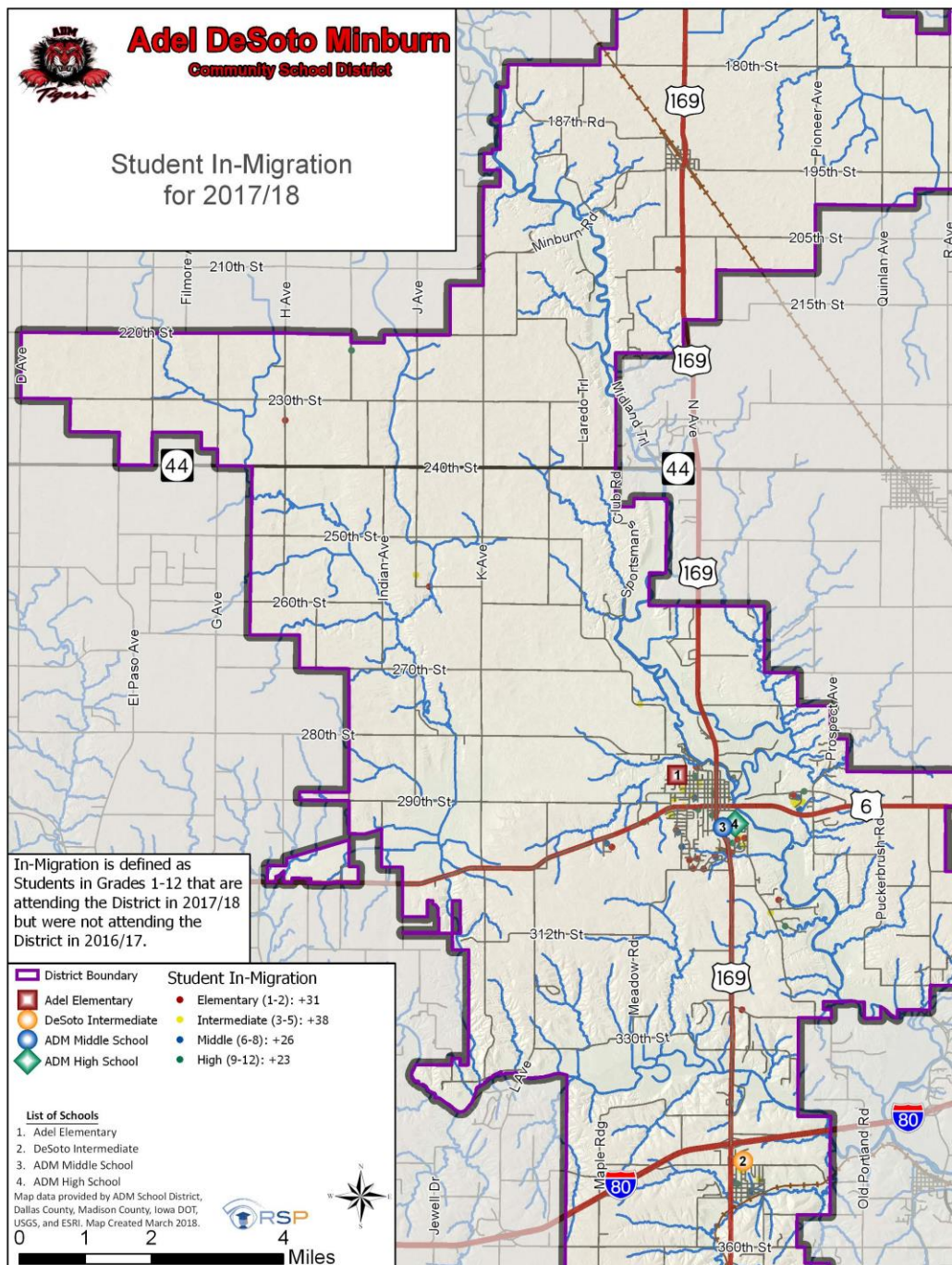
- Largest average class increase – Kindergarten to 1st grade (+7 students)
 - 2016/17 to 2017/18 was not as large as previous years
- Largest average class decrease – 11th to 12th grade (-3 students)
- Propensity to have varying cohort change in ES, MS, and HS levels

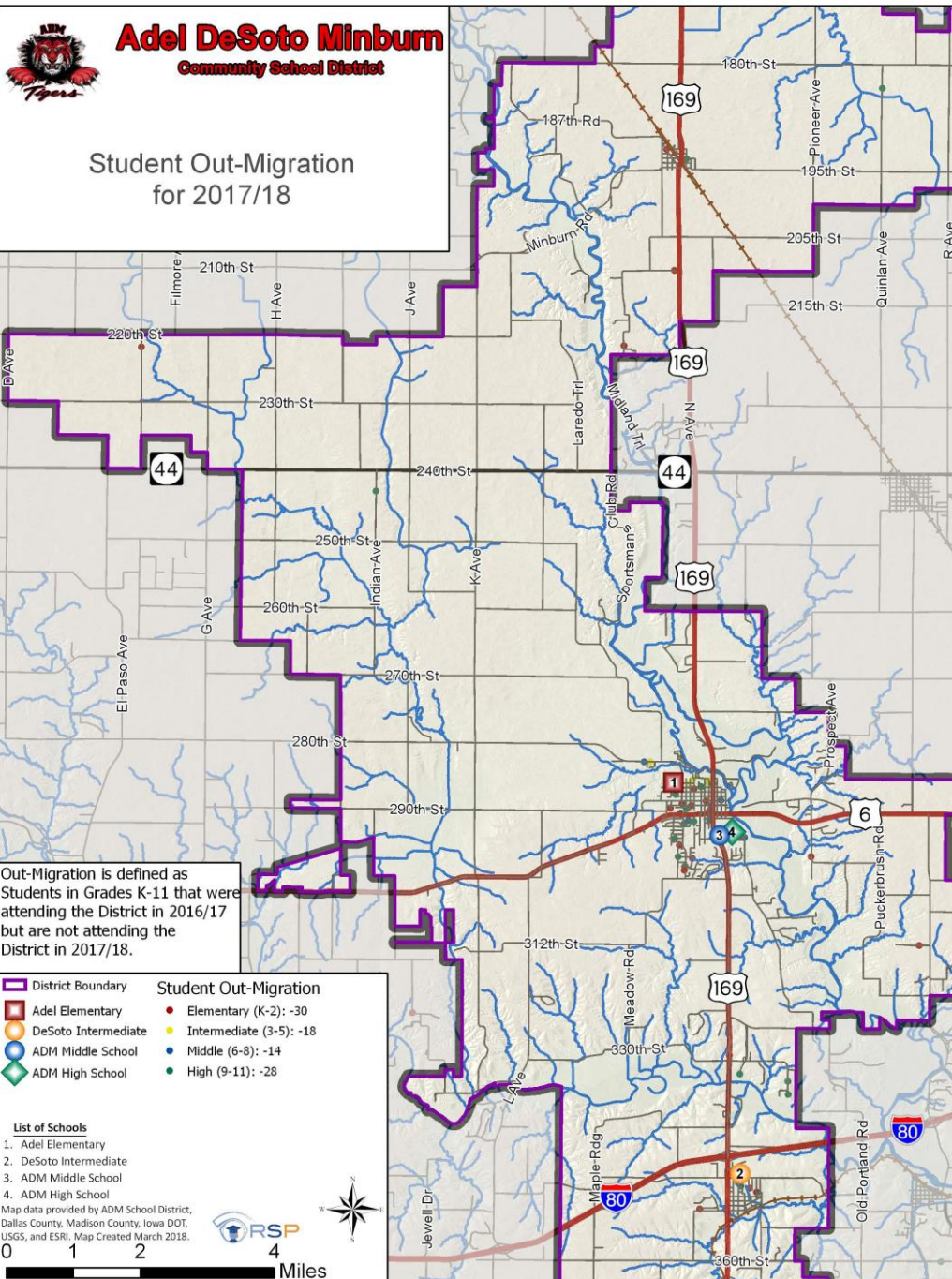
Enrollment provided by the district

Does not include Early Childhood, Preschool, Age 5 Not in kindergarten, Home School, Private School, or Parochial School

Student In-Migration

- 2017/18 students who are in 1st through 12th grade that were not attending the District in 2016/17 as Kindergarten through 11th grade
- Who is new to the district that was not attending in previous years?
 - 135** new students in **2016/17**
 - 118** new students in **2017/18**





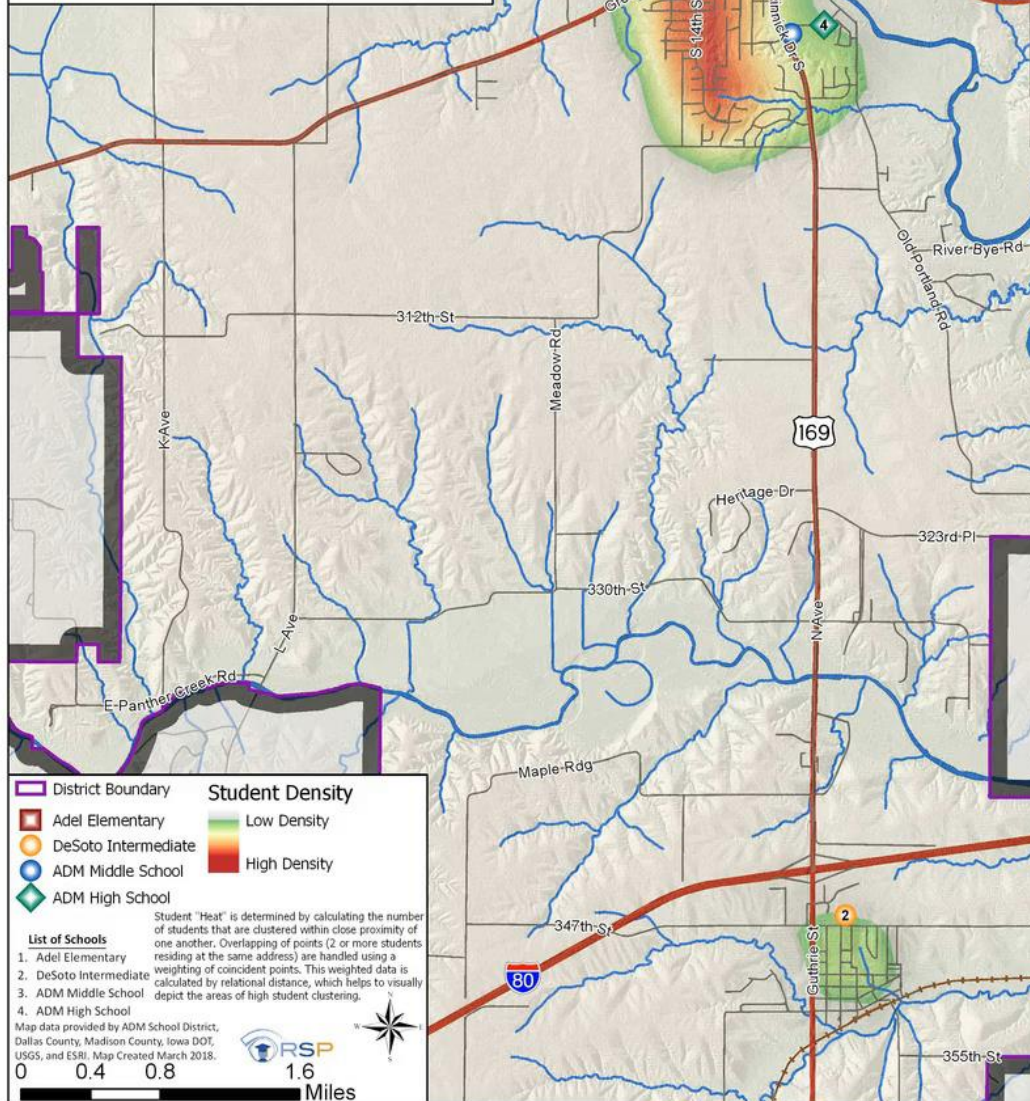
Student Out-Migration

- Students attending the district in 2016/17 who were in Kindergarten through 11th grade that did not attend in 2017/18 as 1st through 12th graders
- 69 students left the district in **2016/17, Total Migration +54**
- 90 students left the district in **2017/18, Total Migration +28**



Adel DeSoto Minburn Community School District

Student "Heat" Density in
2017/18 in Grades K-12



Student "Heat" Density

- **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
- Newer developments and/or most affordable areas tend to have the greatest density



Enrollment Conclusions

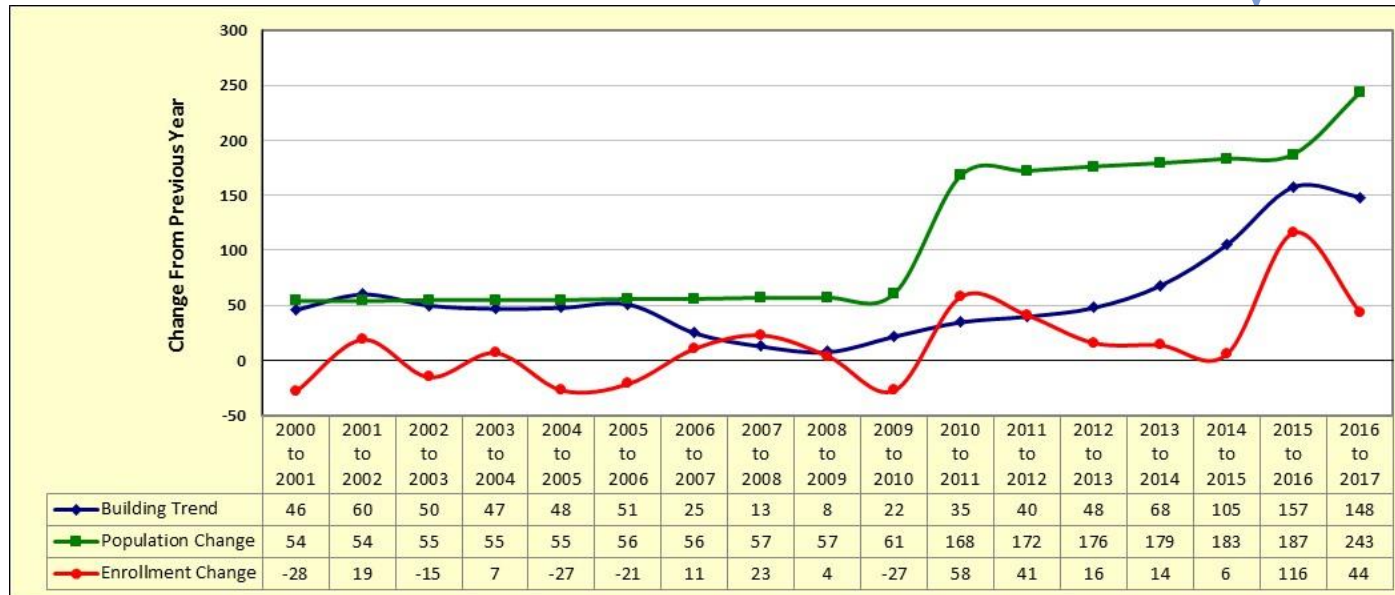
The following are some general enrollment observations:

- By 2022/23 Projected to increase by >500 students (28.7%) (Annually between 4% and 6%)
- By 2018/19 K-12 enrollment greater than 2,000
- By 2017/18 K-5 enrollment >1,000 students
- Enrollment tends to increase from grade to grade each year, larger class sizes are replacing smaller classes as they would their way through the system
- Enrollment increases have mostly occurred due to the tax abetment in Adel
- Overall the district saw 118 new students enter the district and 90 students leave, a total migration of 28 new students

Part Two: Development

Visualizing Success

Population, Development, Enrollment



Source: Census data, Dallas County GIS data, and ADM Community School District

Graphic Explanation:

- Census data indicates the area has an increasing population
- Student Enrollment growth varies each year not necessarily follow Census population estimate change
- Building activity has been stable with propensity to have many good years with Adel abatement

What does this mean?

- The new households moving into the district like past yield rates for children to attend school
- With several developments being multi-family projects over the next five years enrollment trends could change where yield rates could be slightly lower
- Older areas of the community subdivision life cycles constantly are changing, but likely will have fewer children than what the maximum number has been in the past

Student Yield Rate

Single Family (SF)

Year															
2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Avg
0.52	0.51	0.53	0.51	0.51	0.51	0.53	0.52	0.52	0.53	0.53	0.52	0.52	0.53	0.53	0.52

Source: Adel DeSoto Minburn Community School District, Dallas County, and Madison County

Multi-Family (MF)

Year															
2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Avg
0.28	0.27	0.29	0.25	0.27	0.28	0.27	0.26	0.25	0.26	0.29	0.29	0.27	0.26	0.22	0.27

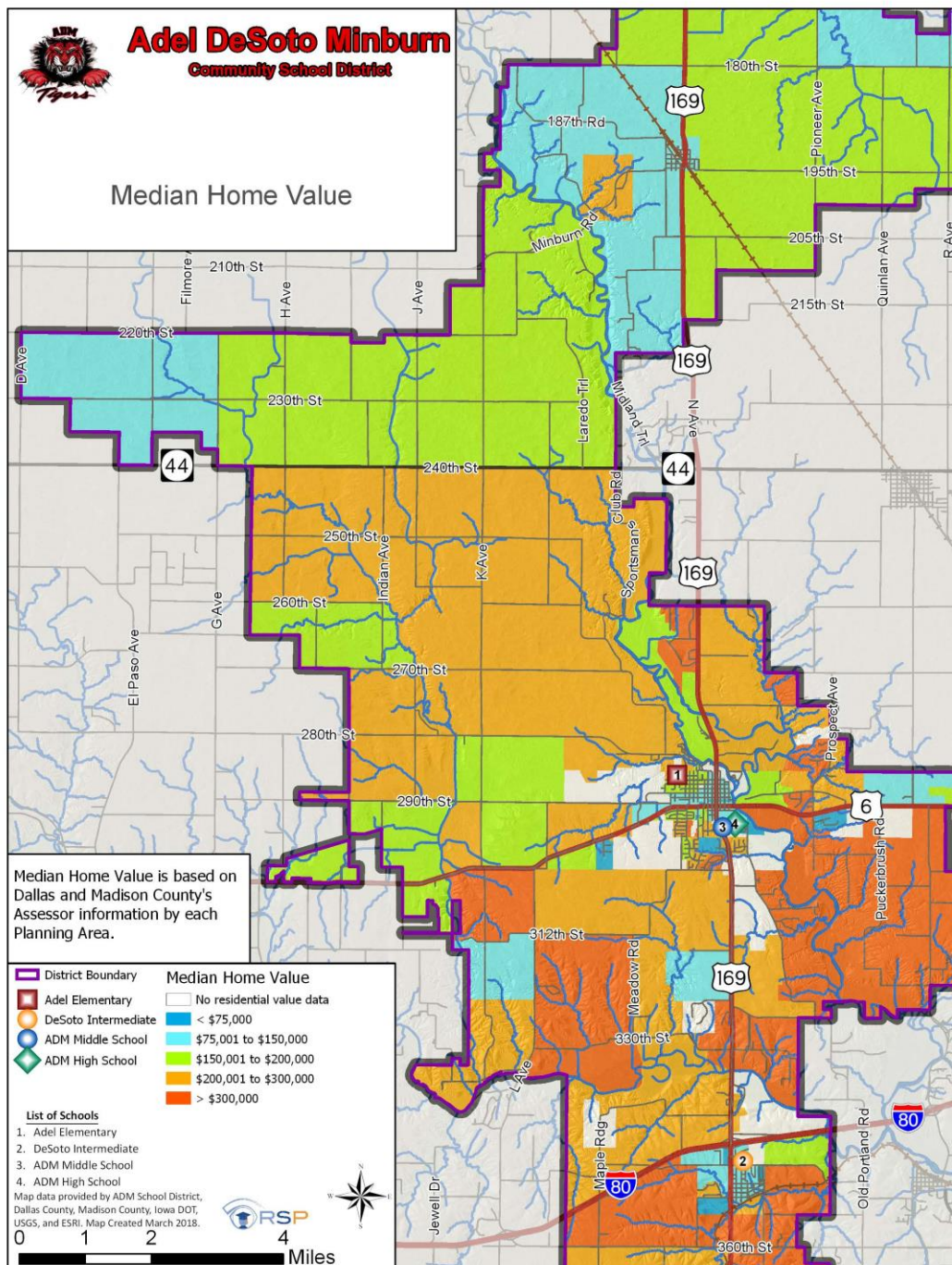
Source: Adel DeSoto Minburn Community School District, Dallas County, and Madison County

Graphic Explanation:

- Single-Family residential on average has a higher student yield rate than that of Multi-Family
- The average yield rate for Single family is .52 when compared to the Multi-Family average yield rate of .27
- Yield rates throughout the district have remained stable for each of the housing types, 2017 saw a slight decrease in Multi-Family yield rate

Median Home Value

- Based on assessed Home Value as provided and maintained by the county assessor's office
- Depicted by Median Value in each Planning Area
- Home values likely 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
- Areas shaded in **Blue** represent the greatest affordability





Adel DeSoto Minburn Community School District

Timberview West Time-lapse
2017

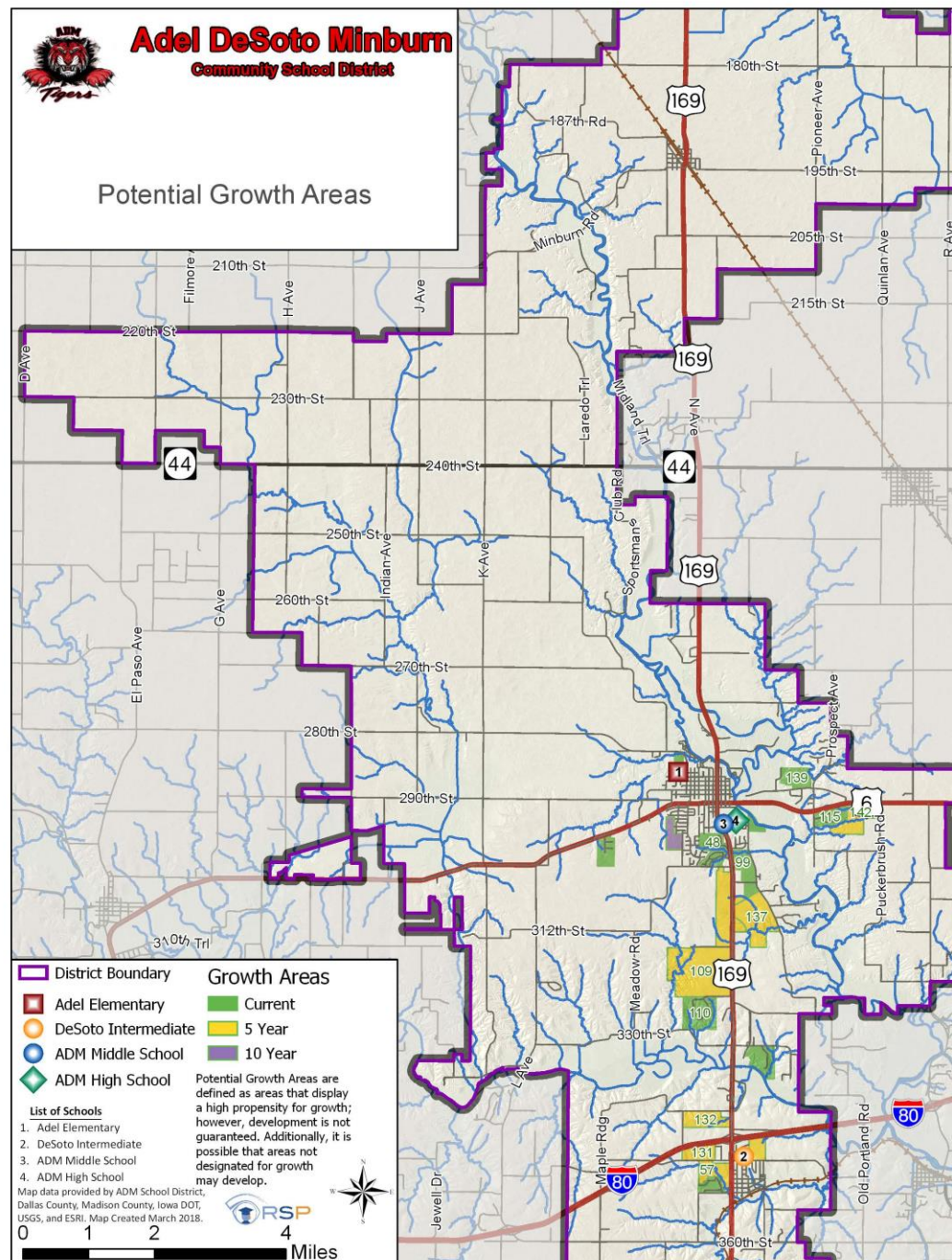


Residential Year Built

- Time-lapse reveals the build out of Timberview subdivision starting in 2006
- Each year new parcels are platted and developed
- Some new areas do not necessarily lead to similar yield rates of like developments
- Majority of new residential development within the district is happening in Adel



Growth Areas



- Identifies where development activity is happening (**Green**)
- Identifies possible areas that could develop (**Yellow** and **Purple**)
- The market and property owner desire to build guides the timing of development
- Potential growth areas are along 169 and in De Soto
- Other properties not shown might develop while some shown might not develop

Residential Tax Abatements

Adel:

- 3-year; (75% first year, 50% second year, 25% third year)
- Applies to structure and land
- Abatement ends January 01, 2021. (11 years earlier than when it was established)

De Soto: (Not Yet Approved: Target Unknown – this is what has been discussed)

- 10 Year Tax Abatement:
 - First 7-year, 100% tax abatement for single family owner occupied residential
 - Last 3- year, sliding scale tax abatement for single family owner occupied residential
- Applies to structure only and capped at \$350,000 (Lot is taxable)
- \$300.00 cost per home added to building permit
- No limit on new homes

Development Conclusions

The following are some general development observations:

- Residential development will continue if the housing product is affordable and have active residential projects
- There is a considerable amount of development opportunity
- Future residential development activity is dependent on the economy, specifically employment, interest rates, and home foreclosures
- Residential development may start to slow as the tax abetment ends in 2021
- The City of De Soto has the infrastructure in place for grown as soon as the tax abetment is put into effect
- 2018 saw nearly 150 new housing permits
- With access to employment centers improving with the Alice Road / 105th Street interchange on I-80, more people will look west to reside

Part Three:

Enrollment Projections

Visualizing Success

Projection Accuracy

Elementary K-5

- Projected: 933
- Actual: 898
- Accuracy: **96.1%**



High School 9-12

- Projected: 513
- Actual: 501
- Accuracy: **97.6%**

Middle School 6-8

- Projected: 406
- Actual: 406
- Accuracy: **100.0%**

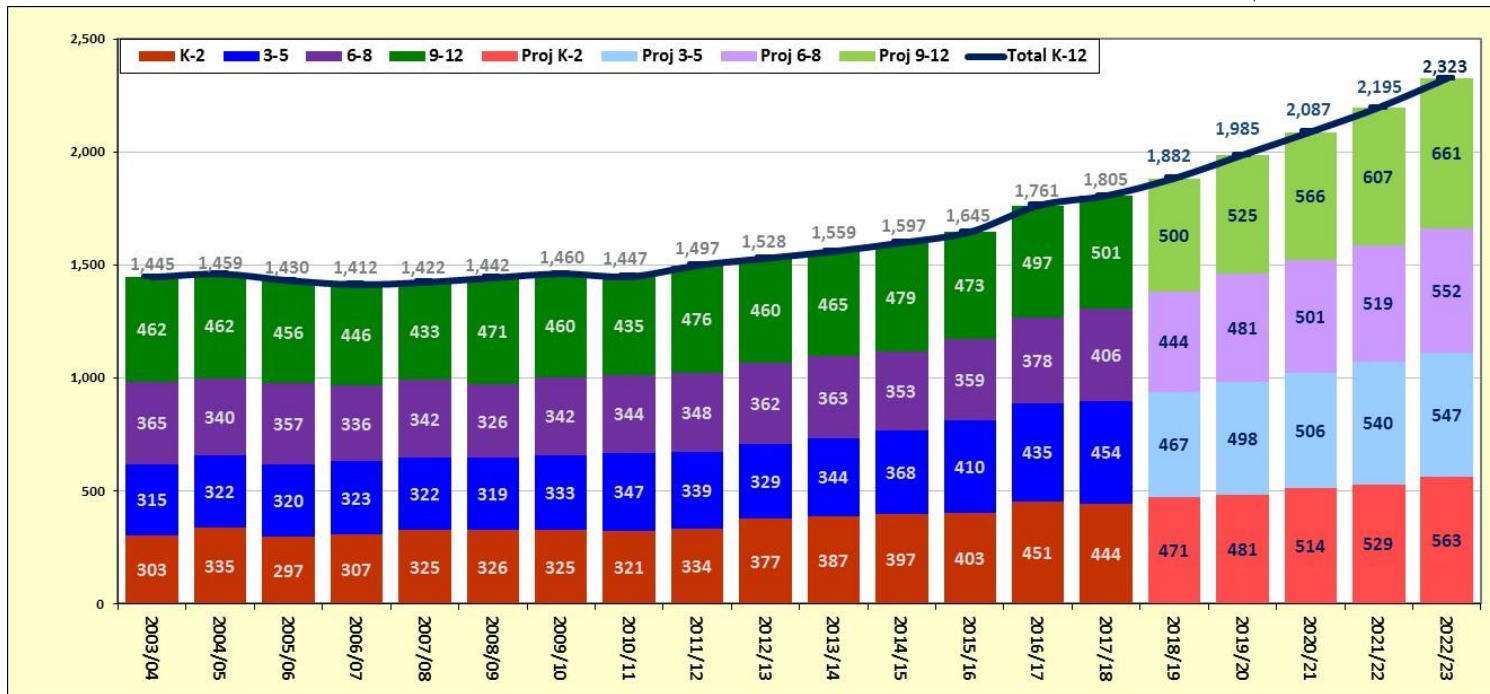
District K-12

- Projected: 1,852
- Actual: 1,805
- Accuracy: **97.4%**

Notes:

- This accuracy is the 1st year of the 2017/18 RSP Projections conducted in 2016/17
- Demographic shifts with millennials impacting future enrollment (Jobs, Jobs, Jobs)
- Lower Kdg enrollment than what was projected amounted to 95% of the Elementary offage
- Many areas of the community having significant demographic shifts influencing changes in enrollment (type of households not generating similar yield rates of students)
- A good portion of analysis spent on what is happening at the middle school grades to determine if there are emerging trends

Past, Current, & Future Enrollment



Source: ADM Community School District and RSP SFM & Demographic Models

Table Details

- Enrollment: Similar household demographics locating to the community, *continued open enrollment policy*, and building activity point toward significant increases with the enrollment – Projections do not include PS and PK students
- Open enrollment closed – exception for those families already enrolled – closure annually reviewed
- Development: Abatement incentives ending result in spike next couple of years in Adel

Enrollment provided by the district

Does not include Early Childhood, Preschool, Age 5 Not in kindergarten, Home School, Private School, or Parochial School

Capacity Terms Defined

- **Functional Maximum Capacity** = measured by counting the number of standard classrooms in a school multiplied by the maximum allowable class size.
- **Square Footage per student** = ratio of the number of students to total building floor plan, compared to adopted standards.
- **Program Capacity** = maximum number of students a facility can accommodate after applying grade level or content area class averages to standard teaching stations within a facility.
- **Desired Class Size** = an ideal number of students in a particular content area class for planning and scheduling purposes.
- **Standard Class Size** = a number of students in a particular content area class used to establish a high end student-to-teacher ratio for planning and scheduling purposes.
- **Desired Educational Capacity** = number of students a building can accommodate by using a formula that considers educational programs, class size expectations per age group/program and building schedules. Functional capacity measures the current usage of educational program space and the pre-determined student class size range assigned to each space.
- **Mid-Range Educational Capacity** = has slightly higher Standard Class Size than the Desired Educational Capacity

Building Enrollment Projections

School	Desired Educational	Mid-Range Educational	Functional Maximum	Past School Enrollment					Future Enrollment By Student Residence				
				2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Adel Elementary Grades K-2	464	511	552	387	397	403	451	444	471	481	514	529	563
DeSoto Intermediate Grades 3-5	500	550	625	344	368	410	435	454	468	498	506	539	547
ADM Middle School Grades 6-8	550	600	675	363	353	359	378	406	444	481	501	519	552
ADM High School Grades 9-12	682	744	837	465	479	473	497	501	500	525	566	607	661
ELEMENTARY TOTAL Grades K-5	964	1,061	1,177	731	765	813	886	898	939	979	1,020	1,068	1,110
MIDDLE TOTAL Grades 6-8	550	600	675	363	353	359	378	406	444	481	501	519	552
HIGH TOTAL Grades 9-12	682	744	837	465	479	473	497	501	500	525	566	607	661
DISTRICT K -12 TOTALS Grades K-12	2,196	2,405	2,689	1,559	1,597	1,645	1,761	1,805	1,883	1,986	2,087	2,194	2,322

Source: RSP & Associates, LLC - June 2018

- Exceed Desired Educational Capacity (DEC)
- Exceed DEC and Mid-Range Educational Capacity (MREC)
- Exceed DEC, MREC, and Functional Maximum Capacity (FMC)

Note 1: Student Projections are based on the residence of the Official student count provided by the district

Note 2: Past School enrollment is the current grade configuration (K-2, 3-5, 6-8, 9-12)

Note 3: PS and PK students are not in the enrollment projections (65 to 80 students projected each year based on last two school years)

Note 4: Open Enrollment students included in past and projected enrollment

Note 5: Capacity provided by Administration

Note 6: Capacity provided in three ways to illustrate how the class size could impact how many students could be accommodated

Enrollment provided by the district



Does not include Early Childhood, Preschool, Age 5 Not in kindergarten, Home School, Private School, or Parochial School

Projections Beyond 2022/23

Grade	School Year														
	2000/01	2005/06	2010/11	2015/16	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
K-5	641	617	668	813	898	938	979	1,020	1,069	1,110	1,159	1,189	1,248	1,295	1,345
6-8	339	357	344	359	406	444	481	501	519	552	552	580	575	605	612
9-12	514	456	435	473	501	500	525	566	607	661	698	705	754	749	781
District	1,494	1,430	1,447	1,645	1,805	1,882	1,985	2,087	2,195	2,323	2,409	2,474	2,577	2,649	2,738
Enrollment Change		-29	-13	48	44	77	103	102	108	128	86	65	103	72	89

Sources: 2000/01 to 2017/18 Iowa Department of Education and ADM School District

Source: ADM Community School District and RSP SFM & Demographic Models

-  2018/19 to 2022/23 RSP & Associates SFM Projections from the 2017/18 Enrollment Report
-  2023/24 to 2027/28 RSP & Associates estimates based on past enrollment change factors

Note: Enrollment Change Row is change from previous year

Assumptions for the Future:

- **Enrollment:** Similar household demographics locating to the community as in 2018; continued open enrollment policy (allow students not residing in the district to attend), and having the appropriate educational spaces for student learning is restricted because there is not available space
- **Development:** Continue to be steady – the future may have some spikes greater than 100 units in the city – areas in De Soto will likely experience significant residential activity as suburban areas east in Waukee along the Grand Prairie Pkwy increase employment opportunities
- **Projections:** They include potential demographic shifts when older areas continue to change over time, as well as the City of Adel abatement ending
- **Capacity:** Adel Elementary exceeds Desired Educational Capacity by 2018/19, Mid-Range Educational Capacity by 2020/21 and Functional Maximum Capacity by 2022/23; Desoto Intermediate exceeds Desired Educational Capacity by 2020/21 and ADM Middle School exceeds Desired Educational Capacity by 2022/23; and High School educational capacity is being examined in relation the programming to determine capacity challenges

Projections Beyond 2022/23

Grade	School Year														
	2000/01	2005/06	2010/11	2015/16	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
K	103	98	110	132	134	160	162	168	178	196	200	210	213	216	211
1st	107	95	107	139	163	142	169	170	174	185	194	206	225	219	231
2nd	91	104	104	132	147	169	150	176	177	182	188	203	204	233	224
3rd	114	123	114	147	152	152	177	158	184	185	190	192	212	211	240
4th	115	102	116	136	153	156	158	184	164	190	187	193	191	215	213
5th	111	95	117	127	149	159	163	164	192	172	200	185	203	201	226
6th	118	133	103	110	151	152	165	169	169	198	174	201	188	204	205
7th	106	107	110	128	135	156	157	171	176	175	200	176	211	190	214
8th	115	117	131	121	120	136	159	161	174	179	178	203	176	211	193
9th	136	127	105	120	130	125	141	165	167	180	189	176	214	178	222
10th	124	120	98	127	129	129	126	143	167	169	178	191	173	210	180
11th	123	107	131	115	118	128	130	128	145	168	165	175	193	169	213
12th	131	102	101	111	124	118	128	130	128	144	166	163	174	192	166
K-5	641	617	668	813	898	938	979	1,020	1,069	1,110	1,159	1,189	1,248	1,295	1,345
6-8	339	357	344	359	406	444	481	501	519	552	552	580	575	605	612
9-12	514	456	435	473	501	500	525	566	607	661	698	705	754	749	781
District	1,494	1,430	1,447	1,645	1,805	1,882	1,985	2,087	2,195	2,323	2,409	2,474	2,577	2,649	2,738
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Source: ADM Community School District and RSP SFM & Demographic Models

Note: Enrollment Change Row is change from previous year

Long Term Considerations with Desired Educational Capacity as the Baseline:

- Elementary level need most pressing at the K-2 level – a solution must be in place by 2021/22
- Intermediate level – a solution must be in place prior to 2023/24
- Middle School level – a solution must be in place prior to 2026/27
- High School level – educational programming space being evaluated to determine that timeline

Part Four: Moving Forward

Visualizing Success

Key Considerations

The following items will assist in ensuring the district is able to advance its educational goals:

- Study the impact of future educational programming that will be integrated into the schools and its relation to capacity (Elementary Grade Center or Neighborhood Boundaries)
- Capacity (Desired Educational, Mid-Range Educational, and Functional Maximum) need at the elementary grades will be a driving force in future discussions about educational programming, class size, additions, and/or new facilities
- Annually review enrollment projections
- Monitor the type of residential development and how affordable it is will determine likely location and number of students, Single-Family residential tend to have a higher student yield rate than Multi-Family
- Housing stock will continue to increase with the help of the residential tax abatement in Adel, but is scheduled to end in 2021, while DeSoto has room for additional residential development (a tax abatement program in the past has been considered by the city)
- The Facility Master Plan Committee will continue to examine information to work toward a viable solution for the community

Notes

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