



PLANNING FOR THE FUTURE

Attendance Area Boundary Public Feedback Sessions

6:00 – 6:10

Welcome

- Dr. Jay Harris, Platte County Incoming Superintendent

6:10 – 6:40

RSP Presentation

- RSP Introduction
- Process Details & Committee Progression
- Public Forum Goals and Expectations
- Proposed Concept

6:40 – 7:30

Open House/Public Feedback Opportunity

PUBLIC FEEDBACK SESSION 1

April 13, 2022

at

Barry School

PUBLIC FEEDBACK SESSION 2

April 14, 2022

at

Platte County High School

Information presented will be the same at each meeting.



RSP & ASSOCIATES

RSP Quick Facts:

- 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

RSP Recent Projects:

Clarksville Montgomery County School System, Tennessee

- Enrollment Analysis
- Boundary Analysis

Hutchinson Public Schools

- Enrollment Analysis
- Facility Master Plan

Kansas City Kansas Public Schools

- Enrollment Analysis
- Boundary Analysis

RSP Leadership:

Robert Schwarz, AICP, CEFP

- Military, County, City, and School District Planner
- Kansas University - Master of Urban Planning (MUP)
- American Institute of Certified Planners (AICP)
- Certified Educational Facility Planner (CEFP)



Company was started with the desire and commitment to assist school districts in long-range planning. RSP has served over **130** clients in:

- Arkansas
- Colorado
- Iowa
- Illinois
- Kansas
- Minnesota
- Missouri
- Nebraska
- North Dakota
- Oklahoma
- South Dakota
- Tennessee
- Wisconsin

PUBLIC FORUM GOALS & EXPECTATIONS

Goals:

1. Leave here with a better understanding of the boundary concept and the reasoning behind the proposed changes
2. Have opportunity to ask questions and voice concerns
3. Have questions answered by the experts and district leaders
4. Complete the handout and provide feedback on the concept

REMAIN ENGAGED

Actively participate during the meeting



BE AN ACTIVE LISTENER

Provide complete thoughts



STAY OPEN MINDED



BE TIMELY

Make your points concisely, allow others a chance



REMAIN THOUGHTFUL AND RESPECTFUL



ACKNOWLEDGMENT

RSP & Associates wants to thank all that assisted in the creation and analysis of this study! Specifically,

- Platte County R-3 School District
- Platte County
- Clay County
- City of Platte City
- City of Kansas City, MO
- Census Bureau/Esri

A special thank you **Platte County School District Attendance Area Boundary Committee** and all of their hard work in this process!





PART 1

ZONING PROCESS INFORMATION

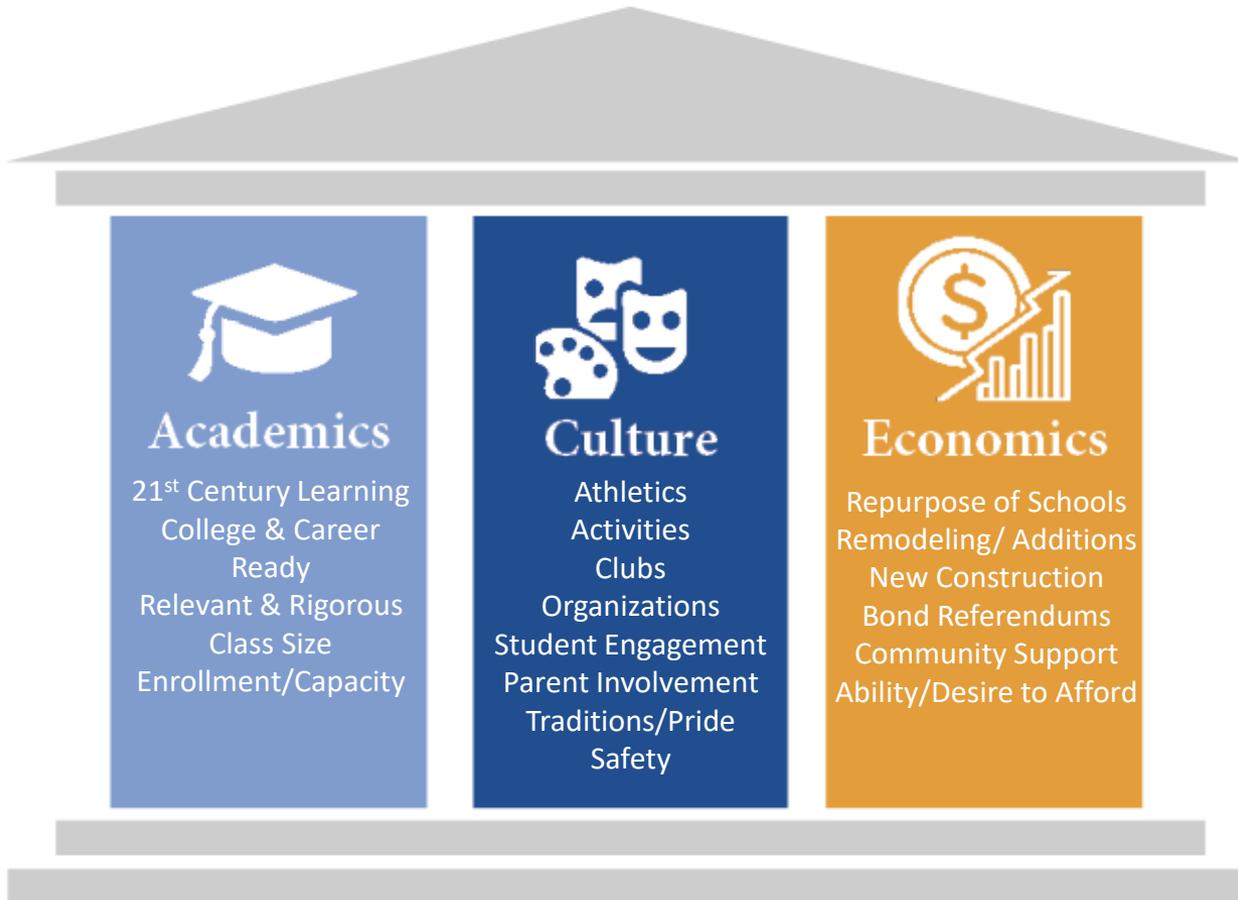
PCR-3 Boundary Committee Process



Source: Platte County R-3 School District

Note: the information shared at each of the public feedback sessions will be identical.

Academics, Culture, and Economics (ACE)



- Relationship between all three pillars and the impact they have on each other
- It is a framework that starts the larger facility planning discussion
- Not focused on a physical building or space
- Provides balance and prevents tunnel vision
- Keeps everyone focused on what is important: **Students, Staff, Families, and Community**

Boundary Criteria - Alphabetical

(committee rankings
in red parenthesis)



Contiguous Attendance Areas

All portions of the boundary are physically adjacent, no disconnected islands within the boundary.



Demographic Considerations (3)

Boundaries that seek some level of balanced socioeconomic indicators.



Duration of Boundaries (4)

Boundaries that anticipate future changes in enrollment and seek to make the boundary last as long as possible using forecasted data.



Feeder System Considerations (2)

Boundaries that attempt to keep entire elementary schools together as they move to a middle school.



Fiscal Considerations (Capital Costs)

Ensure boundary changes minimize the need for additional construction projects until overall enrollment growth dictates.



Fiscal Considerations (Operational Cost)

Boundaries that are planned to maximize district resources.



Neighborhoods Intact (5)

Boundaries that ensure subdivisions are maintained in a school's attendance area.



Projected Enrollment/Building Utilization (1)

Boundaries that focus on balancing enrollment, so each building is utilized efficiently while not projected to exceed functional capacity for several years.



Students Impacted by Boundary Change

Boundaries that minimize the number of current students that have to change schools.



Transportation Considerations

Boundaries that consider transportation logistics including bus route efficiency and length of time students spend on bus.

PART 2

PAST ENROLLMENT AND PROJECTIONS

Please see the Appendix for more information on the Enrollment Analysis RSP completed in December 2021. Full report can also be found on the district website:
https://www.plattecountyschooldistrict.com/strategic_plan/growth_management/enrollment_projections

Sophisticated Forecast Model (SFM)

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

Let:

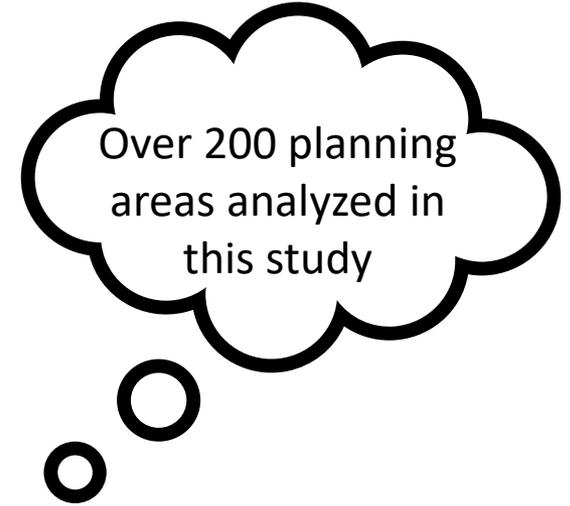
- S = The number of students, either an actual count or a projected count
- x = A subscript denoting an attendance area in the School District
- c = Grade level
- t = Time (Years)
- GC = Growth component either modeling enrollment increase or decrease based on historical information, expressed as a real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



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.



Elementary School Boundary Map

Mapping Elements

- Preschool
- Elementary School
- Middle School
- High School
- Other district buildings

- District Boundary
- Current Elementary Boundary
- Parks

School List

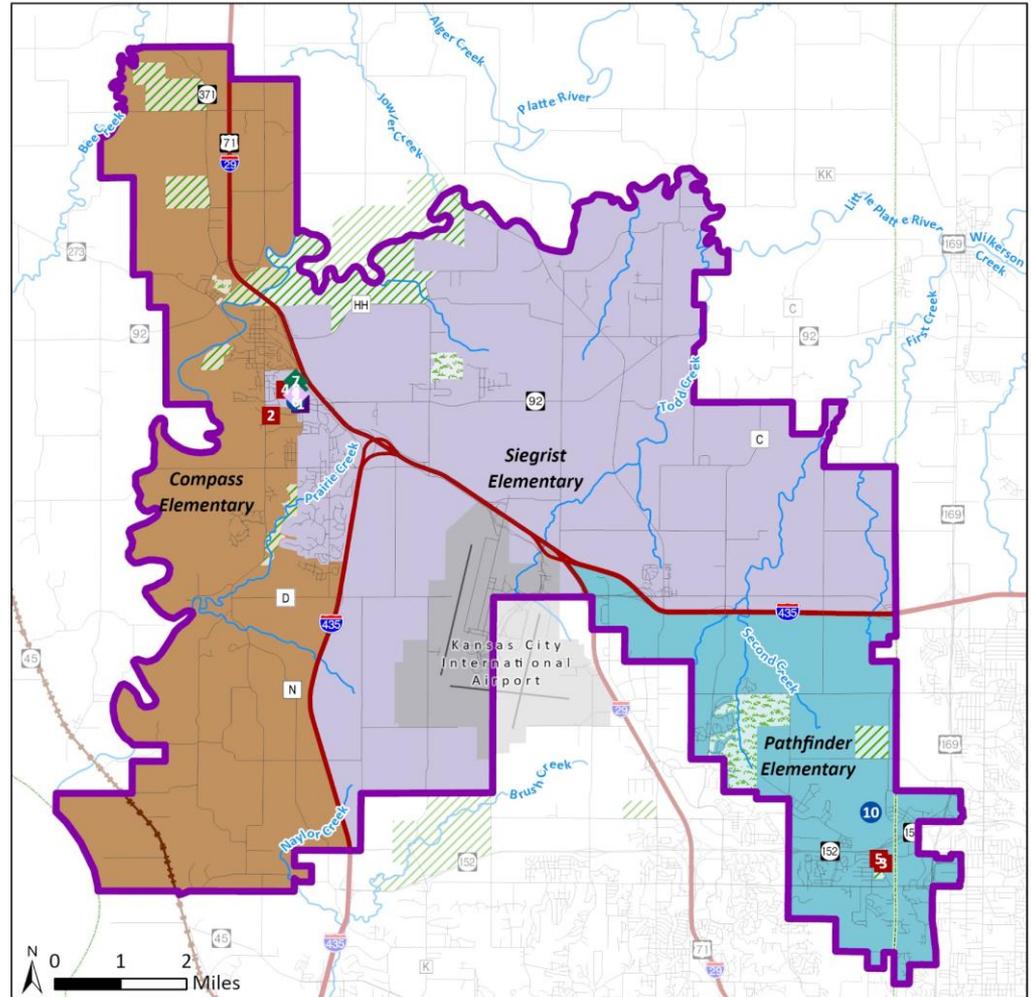
1. Great Beginnings Preschool
2. Compass Elementary
3. Pathfinder Elementary
4. Siegrist Elementary
5. Barry School
6. Platte County Middle School
7. Platte County High School
8. Platte County High School Paxton
9. Northland Career Center
10. New Middle School #2

Purple Line: District boundary

#2. Compass Elementary K-5

#3. Pathfinder Elementary K-4

#4. Siegrist Elementary K-5



Data provided by Platte County Public School District, Platte County GIS, Clay County GIS, Kansas City GIS & ESRI. Map created April 2022.

Middle School Boundary Map

Mapping Elements

- Preschool
- Elementary School
- Middle School
- High School
- Other district buildings

- District Boundary
- Current Elementary Boundary
- Parks

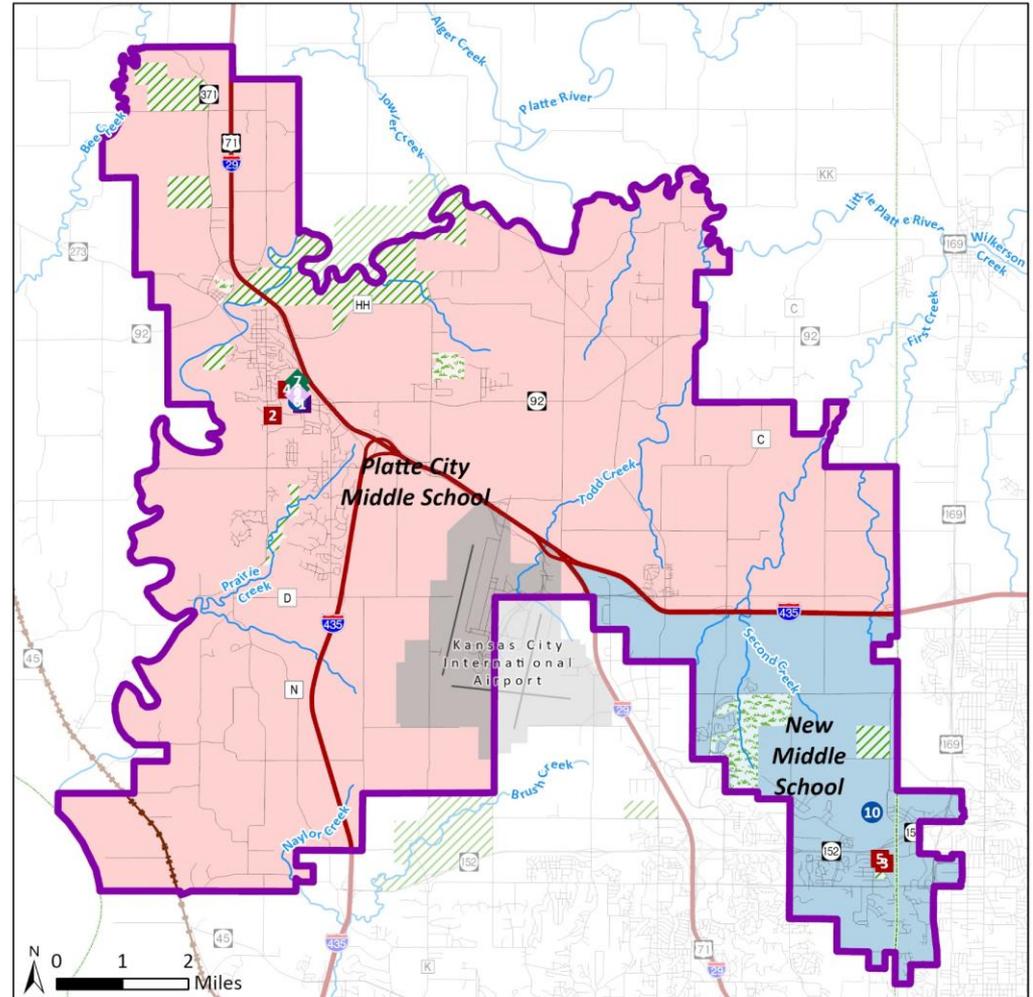
School List

1. Great Beginnings Preschool
2. Compass Elementary
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4. Siegrist Elementary
5. Barry School
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7. Platte County High School
8. Platte County High School Paxton
9. Northland Career Center
10. New Middle School #2

Purple Line: District boundary

#6. Platte City Middle School (6-8)

#10. New Middle School (6-8)



Data provided by Platte County Public School District, Platte County GIS, Clay County GIS, Kansas City GIS & ESRI. Map created April 2022.

Current Elementary School Projections

K-5 Elementary School Projections

School	Current Boundaries			
	2023/24	2024/25	2025/26	2026/27
Pathfinder	128%	136%	148%	162%
Compass	97%	100%	101%	104%
Siegrist	81%	79%	77%	73%
Total	121%	125%	131%	135%

Source: RSP and Platte County School District, 2022

Notes:

1. Areas in orange show when student enrollment exceeds the building capacity

WHY ARE WE HERE? We need to establish boundaries for Barry and Pathfinder as they transition to K-5 elementary schools.

MAIN TAKEAWAY

If the boundaries remain the same, **Pathfinder and Compass** will surpass 100% capacity in the upcoming years

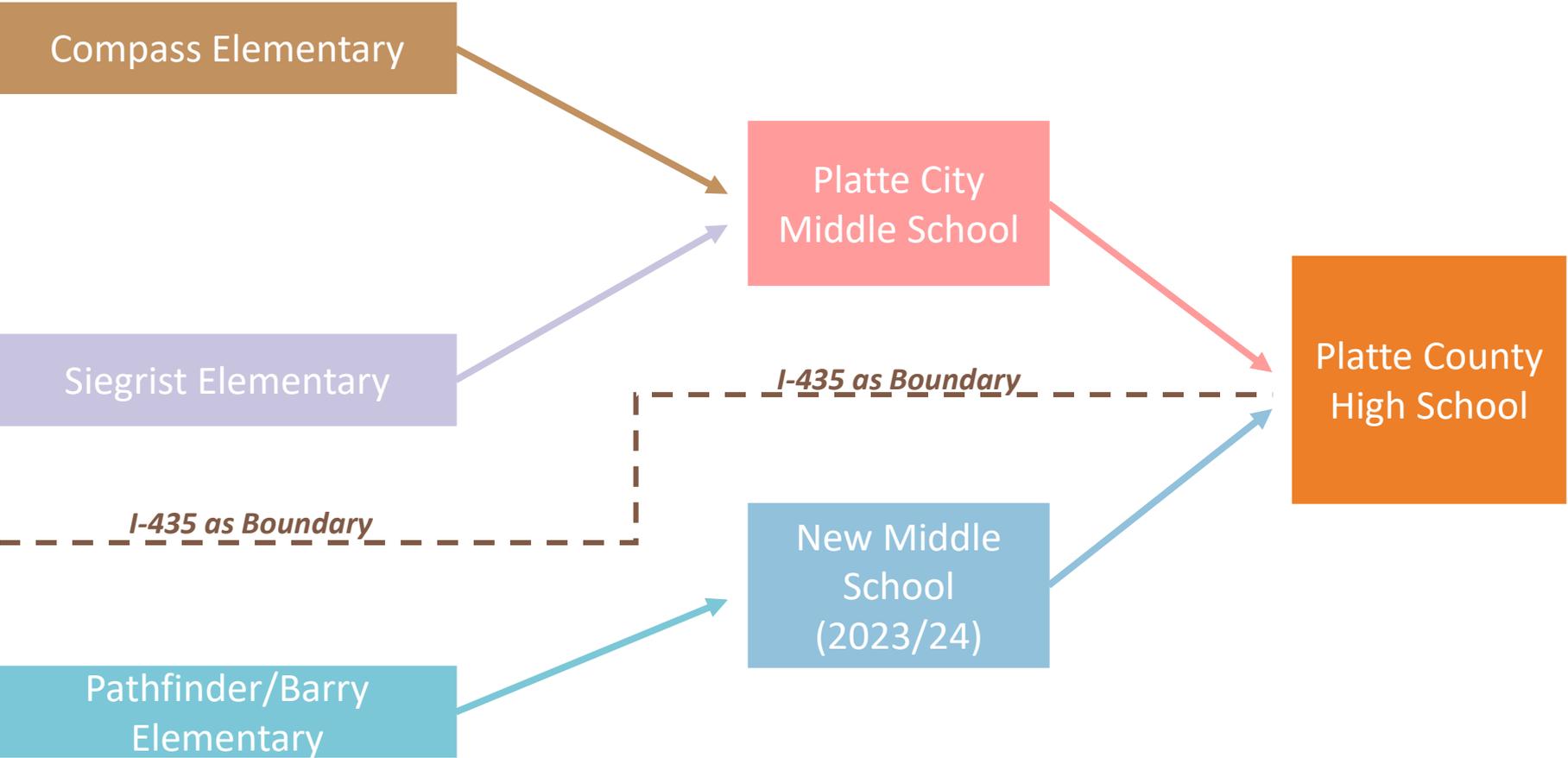
Pathfinder Solution:

- With the new Middle School coming online in 2023/24, Barry is transitioning to a K-5 elementary school – boundaries need to be in place for this school
- The students within Pathfinder boundary will need to be divided between the two schools (Barry and Pathfinder)

Compass Solution:

- Siegrist is currently projected to decrease in enrollment while Compass increases
- A boundary that better utilizes Siegrist available space while balancing projected growth in the four elementary schools

2023/24 Feeder System with Current Elementary Boundaries



PART 3

COMMITTEE WORK

Meeting 1 Recap (January 25, 2022)

Objectives

- 1) Review Enrollment Analysis
- 2) Discuss Building Capacity
- 3) Prioritize Boundary Criteria
- 4) Group Activity: Brainstorm Elementary Boundary Concept

Ranked Boundary Criteria

- 1.) Projected Enrollment/Building Utilization
- 2.) Feeder System Considerations
- 3.) Demographic Considerations
- 4.) Duration of Boundaries
- 5.) Neighborhoods Intact

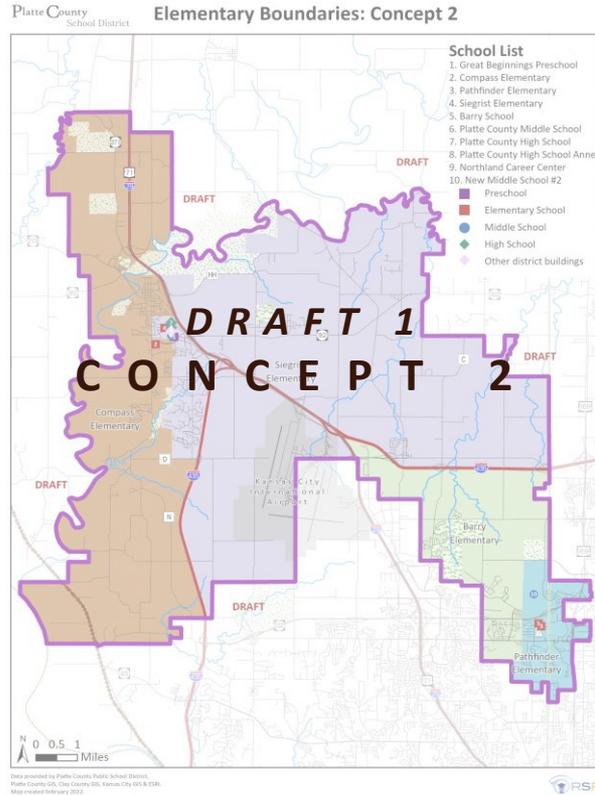
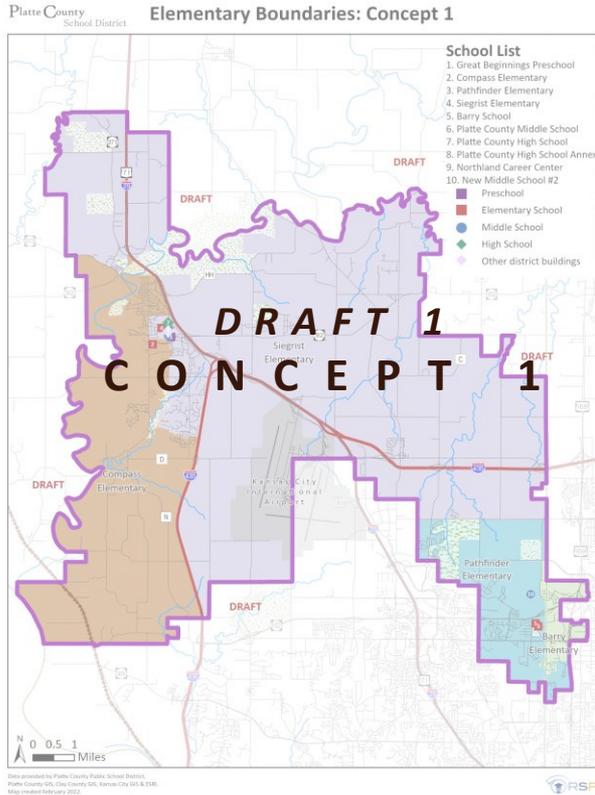
Source: Committee activity results as of January 25, 2022



Meeting 2 Recap (February 22, 2022)

Objectives

- 1) Review of process and objective
- 2) Receive *Draft 1 Concept 1*
- 3) Receive *Draft 1 Concept 2*
- 4) Group Activity: Brainstorm Elementary Boundary Concept



Summary of Feedback PLUS (+) DELTA (-)

Draft 1 Concept 1

- (+) Pathfinder includes more of Tiffany Green growth
- (-) Siegrist/Pathfinder solution transportation concerns

Draft 1 Concept 2

- (+) Siegrist and south school break on I-435
- (+) Siegrist/Pathfinder solution is smaller impacted area for a longer-term fix
- (-) Challenges of Barry accommodating future growth

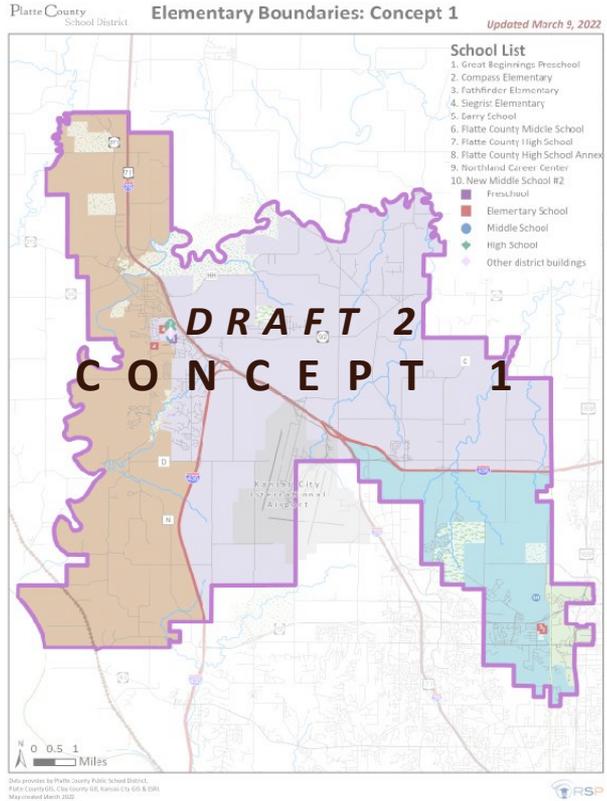
Other Feedback:

- Desire for growth areas to be distributed between both schools
- Desire to have more balanced demographic distribution of students
- Desire to have comparable housing distribution between schools

Meeting 3 Recap (March 31, 2022)

Objectives

- 1) Review of process and objectives
- 2) Receive *Draft 2 Concept 1*
- 3) Group Activity: Brainstorm Elementary Boundary Concept
- 4) Discuss/Plan for Public Input Sessions



Summary of Feedback PLUS (+) DELTA (-)

Draft 2 Concept 1

- (+) Pathfinder includes more of Tiffany Green growth
- (+) Siegrist and south school break on I-435
- (+) Siegrist/Pathfinder solution is smaller impacted area for a longer-term fix
- (-) Lack of balance between development types between Barry and Pathfinder
- (-) Ability to improve demographic balance between Barry and Pathfinder

Other Feedback:

- Desire for growth areas to be distributed between both schools
- Desire to have more balanced demographic distribution of students
- Desire to have comparable housing distribution between schools

Meeting 3.5 Recap (Virtual Work Session)

Objectives

- 1) Receive *Draft 3 Concept 1*
- 2) Receive *Draft 1 Concept 3*
- 3) Receive *Draft 1 Concept 4*
- 4) Discuss concept to move towards Public Input

Summary of Feedback, PLUS (+) DELTA (-)

Draft 3 Concept 1

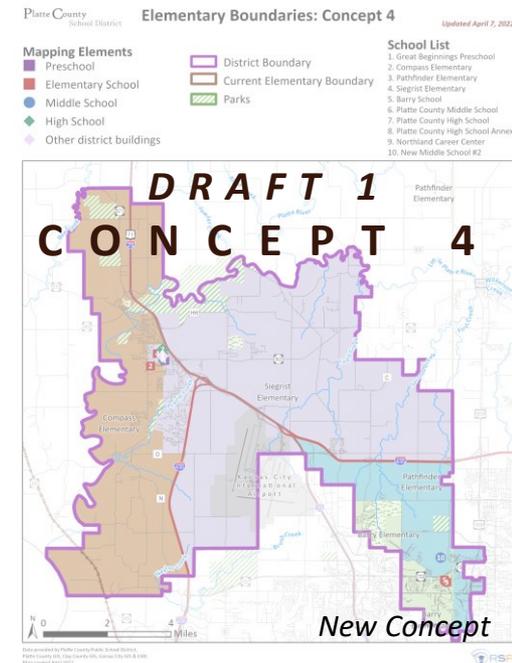
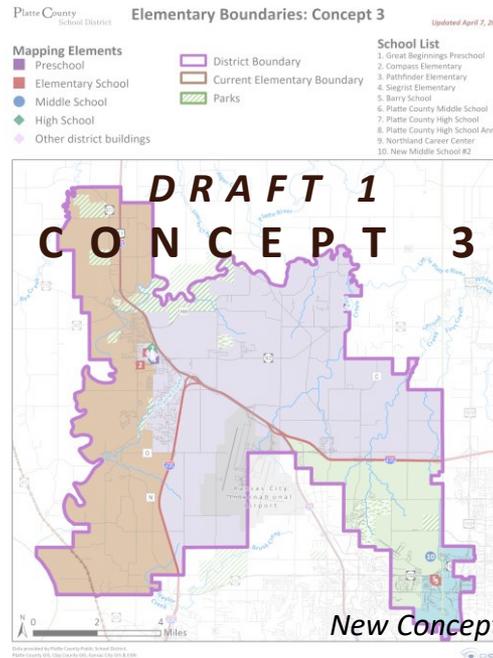
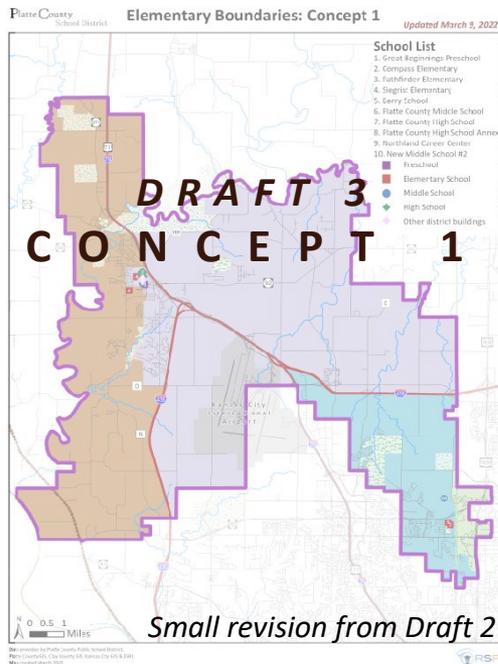
- (+) Includes all (+) from past concepts
- (-) Barry utilization exceeds 100% in 5th year
- (-) Lack of balance between development types
- (-) Ability to improve demographic balance

Draft 1 Concept 3

- (+) Includes all (+) from past concepts
- (+) Better balance of housing type, demographics, and building utilization

Draft 1 Concept 4

- (+) Includes all (+) from past concepts
- (-) Transportation concerns
- (-) Ability to improve demographic balance



Proposed Concept

Overview of Proposed Concept

The **PROPOSED CONCEPT** merges the committee feedback from each concept.

Barry/Pathfinder: Utilize Platte Purchase Drive with Pathfinder being the school that reaches north

Siegrist/Pathfinder: Utilize I-435 (maintain Middle School boundary & feeder)

Compass/Siegrist: Utilize new developments of Running Horse and Fox Creek to balance enrollment

The **PROPOSED CONCEPT** most aligns with the boundary criteria determined by the committee, in collaboration with:

- 1. RSP Best Practices**
- 2. Boundary Committee feedback**

Overview of Proposed Concept

The **PROPOSED CONCEPT** was analyzed through many different lenses to accomplish the boundary criteria:

- Projected Enrollment/Building Utilization – *see Building Projection tables*
- Feeder System Considerations – *see Feeder Diagram*
- Demographic Considerations – *see Demographic and Housing Analysis tables*
- Duration of Boundaries – *see Growth Areas and Student Impacted in Boundary Change tables*
- Neighborhoods Intact & Transportation – *transportation director provided input on the concepts*

Proposed Concept

General Boundaries:

Barry & Pathfinder

- Boundary utilizes Platte Purchase Drive, the division between Barry Heights and Northfield, and Byfield Ave

Barry & Siegrist

- Boundary utilizes I-435

Siegrist & Compass

- Boundary utilizes Running Horse development and Fox Creek Townhome development – boundary extends south to 120th Street (Hwy D)

Key:

Barry Elementary K-5 (with Early Childhood)

Compass Elementary K-5

Pathfinder Elementary K-5

Siegrist Elementary K-5

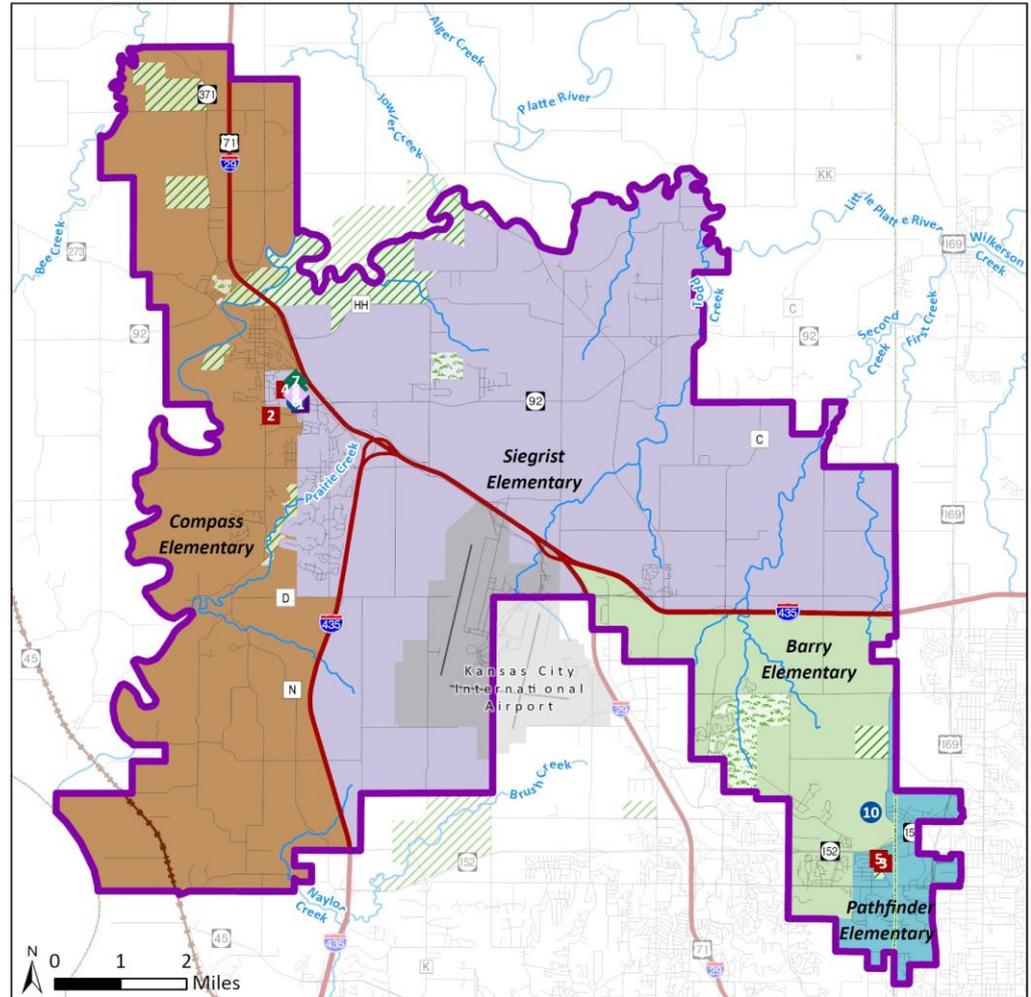
Mapping Elements

- Preschool
- Elementary School
- Middle School
- ◆ High School
- ◆ Other district buildings

- District Boundary
- Current Elementary Boundary
- ▨ Parks

School List

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10. New Middle School #2



Data provided by Platte County Public School District, Platte County GIS, Clay County GIS, Kansas City GIS & ESRI. Map created April 2022.

Barry & Pathfinder

Focus: Barry and Pathfinder Elementary

Mapping Elements

- Preschool
- Elementary School
- Middle School
- ◆ High School
- ◆ Other district buildings

- District Boundary
- Current Elementary Boundary
- Parks

School List

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2023/24 to 2026/27 Building Utilization Range: Proposed Concept

School	Current Building Utilization	Concept Building Utilization
Barry Elementary	88% to 104%	79% to 97%
Pathfinder Elementary	103% to 132%	85% to 97%

Source: RSP and Platte County School District, 2022

Notes:

1. Areas in orange show when student enrollment exceeds the building capacity

Other Boundary Criteria:

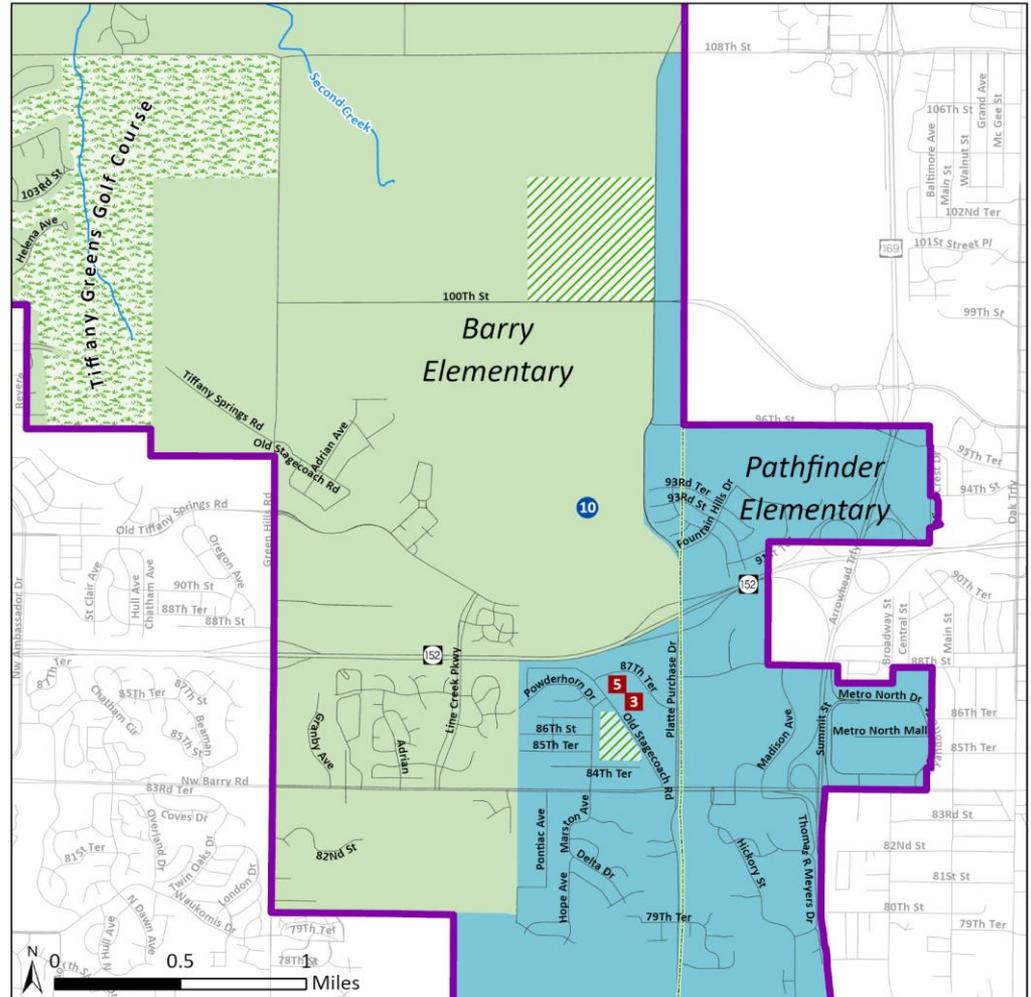
Demographic Consideration

- Schools are within 10% of socio-economic status from one another
- Both boundaries include around 50% single-family units in the south
- Pathfinder includes 63% of multi-family units in the south (Barry includes more multi-family growth in future years)

Duration of Boundaries

- Around 200 current K-3 students would be impacted in this boundary change
- Both elementary schools include current developing areas; Barry includes more 5-year and 10-year potential growth

Please see the Appendix (slides 30-31) for in-depth analysis tables



Data provided by Platte County Public School District, Platte County GIS, Clay County GIS, Kansas City GIS & ESRI. Map created April 2022.

Compass & Siegrist

Focus: Compass and Siegrist Elementary

Mapping Elements

- Preschool
- Elementary School
- Middle School
- ◆ High School
- ◆ Other district buildings

- District Boundary
- Current Elementary Boundary
- Parks

School List

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2023/24 to 2026/27 Building Utilization Range: Proposed Concept

School	Current Building Utilization	Concept Building Utilization
Compass Elementary	96% to 103%	85% to 86%
Siegrist Elementary	80% to 73%	92% to 89%

Source: RSP and Platte County School District, 2022

Notes:

1. Areas in orange show when student enrollment exceeds the building capacity

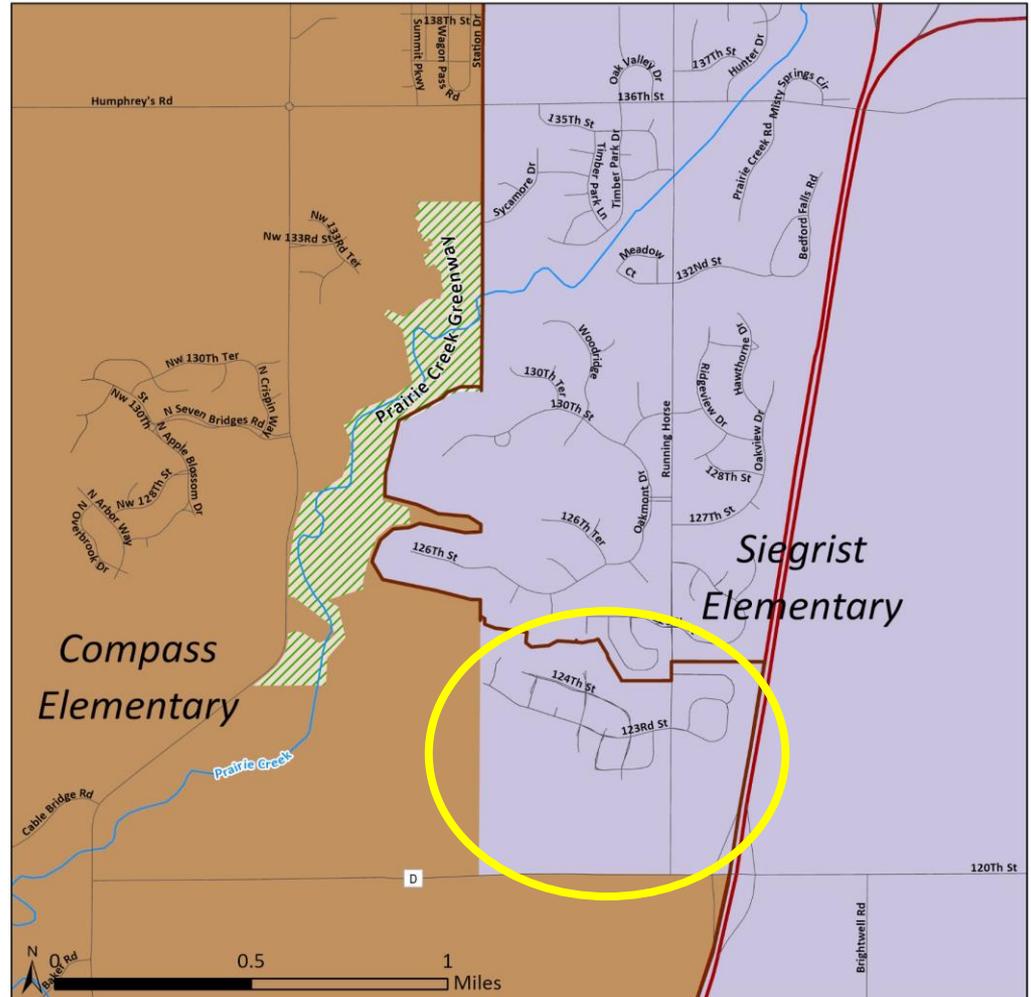
Other Boundary Criteria:

Demographic Consideration

- Schools are within 2% of socio-economic status from one another
- Both boundaries include around 23-34% single-family and 11-17% multi-family of units in the north

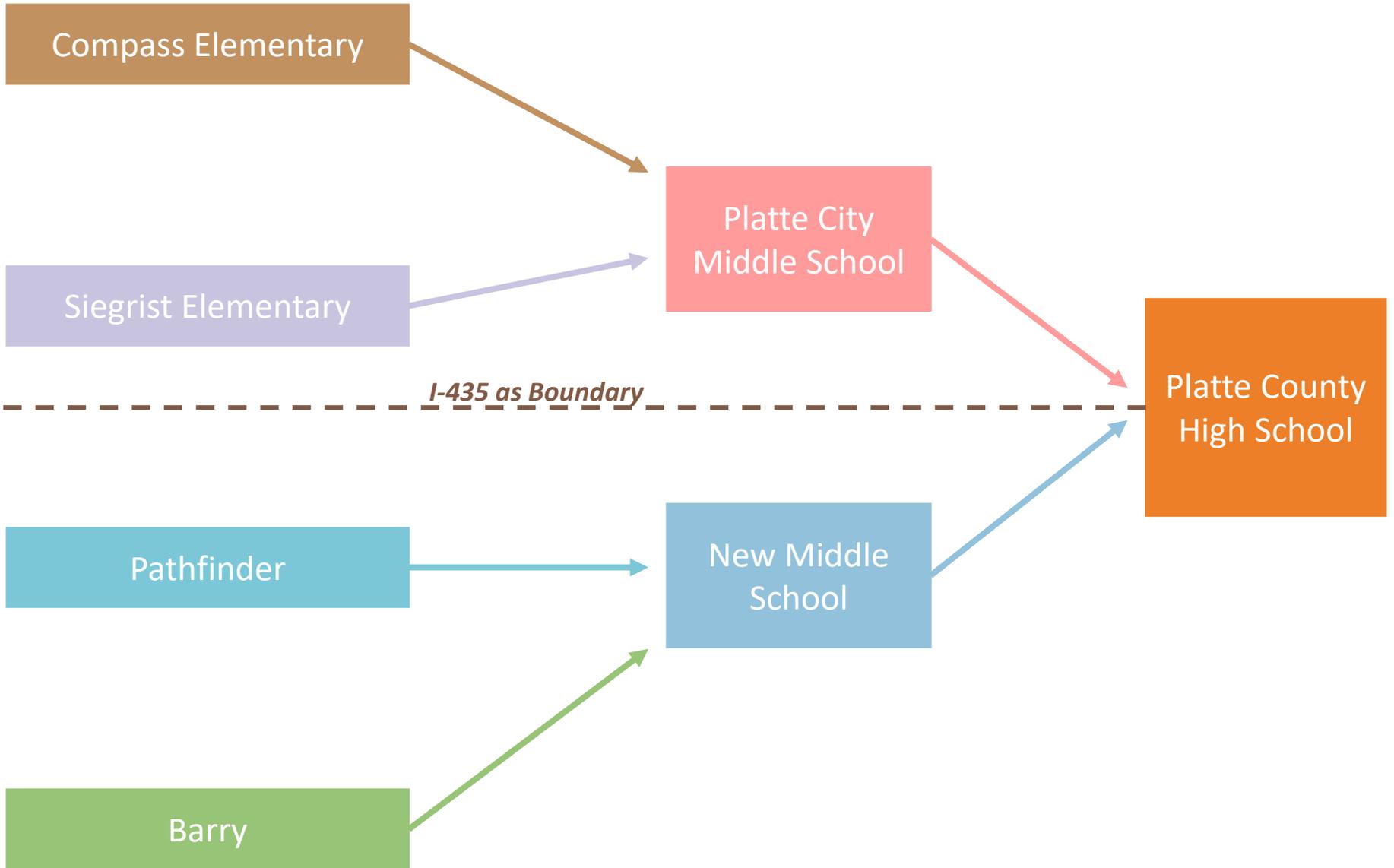
Duration of Boundaries

- Around 40 current K-3 students would be impacted in this boundary change
- Both elementary schools include current developing areas
- Compass includes more 5-year potential growth and Siegrist includes more 10-year potential growth



Please see the Appendix (slides 30-31) for in-depth analysis tables

Proposed Concept Feeder System (2023/24)



Comparative Analysis & Discussion

Proposed Concept	
All school are under 100% utilization all five years	Benefit
Feeder boundary intact – Middle School boundary will not need to change	Benefit
Less than 21% of students are impacted in the concept <ul style="list-style-type: none">• The students impacted between Pathfinder and Barry contributes 17.6% of the SIBC• The students impacted between Siegrist and Compass contributes 3.4% of the SIBC	Benefit
Demographics are well-balanced	Benefit
Efficiently utilizes the existing elementary inventory	Benefit
Boundary sets the district up for long-term success	Benefit

Discussion:

- Use this table to as a guide to **discuss the concept**
- Utilize the prioritized list of **boundary criteria** to discuss how the concept follows the boundary criteria and accomplishes the goals of this committee/district

Note: The results shown are conceptual viewpoints to help further the conversation. Any viewer may have a different opinion as to how the concept addresses the boundary criteria.

Ranked Boundary Criteria

- ✓ 1.) Projected Enrollment/Building Utilization
- ✓ 2.) Feeder System Considerations
- ✓ 3.) Demographic Considerations
- ✓ 4.) Duration of Boundaries
- ✓ 5.) Neighborhoods Intact

Source: Committee activity results as of January 25, 2022

Meeting Agenda

6:00 – 6:10 Welcome/Opening Statements

6:10 – 6:40 RSP Presentation

6:40 – 7:30 Open House and Public Feedback Opportunity

HOW TO PARTICIPATE

1. Visit a station to view a large map of Proposed Concept
Committee members will be at each station to assist with questions
2. Utilize the Proposed Concept Handouts
View the handouts for in-depth analysis of the boundary adjustments
3. Complete the Feedback Form
See the provided form at each station for submitting questions, comments, and general feedback on the Proposed Concept

THANK YOU FOR
ATTENDING!



Appendix

Proposed Concept Analysis Tables

Redistricting Concept Projections																						
School	Current Building Capacity	Current Boundaries										2023/24 Building Capacity	Proposed Concept									
		2022/23		2023/24		2024/25		2025/26		2026/27			2022/23		2023/24		2024/25		2025/26		2026/27	
		Total	%	Total	%	Total	%	Total	%	Total	%		Total	%	Total	%	Total	%	Total	%	Total	%
Barry (5-8 chg to K-5)	588	473	80%	515	88%	533	91%	570	97%	611	104%	430	340	79%	338	79%	332	77%	365	85%	417	97%
Compass (K-5)	615	587	95%	589	96%	604	98%	615	100%	631	103%	607	522	86%	518	85%	523	86%	517	85%	523	86%
Pathfinder (K-4 chg to K-5)	660	645	98%	682	103%	741	112%	812	123%	870	132%	641	430	67%	483	75%	540	84%	587	92%	621	97%
Siegrist (K-5)	680	543	80%	545	80%	532	78%	522	77%	493	73%	675	608	90%	619	92%	614	91%	619	92%	600	89%
Total	2,543	2,248	88%	2,331	92%	2,410	95%	2,519	99%	2,605	102%	2,353	1,900	81%	1,958	83%	2,009	85%	2,088	89%	2,161	92%

Source: RSP and Platte County School District, 2022

Updated: 04/11/22

Notes:

1. Areas in orange show when student enrollment exceeds the building capacity
2. Projections for each planning areas are rounded at the building level which may results in different totals between current boundary projections and concept projections
3. Current projections use the 21/22 boundaries and 21/22 grade configurations

Existing and Potential Units by Development Type																
Proposed Concept	Existing Units								Potential Units							
	Single-Family		Mutli-Family		Townhomes/Duplex		Mixed Use		Single-Family		Mutli-Family		Townhomes/Duplex		Mixed Use	
	Units	Percent	Units	Percent	Units	Percent	Units	Percent	Units	Percent	Units	Percent	Units	Percent	Units	Percent
Barry	1,360	22%	831	24%	214	18%	4	1%	568	48%	240	100%	0	0%	90	27%
Compass	1,380	23%	385	11%	369	31%	499	99%	177	15%	0	0%	0	0%	0	0%
Pathfinder	1,268	21%	1,665	48%	90	8%	0	0%	272	23%	0	0%	0	0%	249	73%
Siegrist	2,056	34%	590	17%	513	43%	3	1%	159	14%	0	0%	0	0%	0	0%
Total	6,064	100%	3,471	100%	1,186	100%	506	100%	1,176	100%	240	100%	0	0%	339	100%

Source: RSP and Platte County

Updated: 04/11/22

Proposed Concept Analysis Tables

Current K-3 Students Impacted in Boundary Change

Current Reside		Proposed Concept Reside		SIBC	
		Barry	Siegrist	Total	%
Compass	378		40	40	10.6%
Pathfinder/Barry	494	218		218	44.1%
School Total	1,242	218	40	258	20.8%

Source: RSP and Platte County R-3 School District, 2022

Updated: 04/11/22

Notes:

1. Current Reside is the current boundary where the students attend (Column 1)
2. Proposed Concept Reside is the boundary where the students would attend if this concept is approved
3. SIBC is based on the current K-3rd graders in the 21/22 school year

Potential Units by Growth Area

Proposed Concept	Current		5-year		10-year	
Barry	104	9%	2,739	87%	1,524	63%
Compass	174	16%	425	13%	275	11%
Pathfinder	521	47%	0	0%	165	7%
Siegrist	301	27%	0	0%	450	19%
Total	1,100	100%	3,164	100%	2,414	100%

Source: RSP and Platte County

Updated: 04/11/22

Demographic Analysis

	Student Total (K-5)	Current Boundaries	Student Total (K-5)	Proposed Concept
		FRL %		FRL %
Barry (5-8 chg to K-5)	108	31.5%	337	21.4%
Compass (K-5)	592	19.1%	529	18.9%
Pathfinder (K-4 chg to K-5)	615	24.6%	386	29.3%
Siegrist (K-5)	564	20.6%	627	20.6%
Total	1,879	22.0%	1,879	22.0%

Source: RSP and Platte County R-3 School District, 2022

Updated: 04/11/22

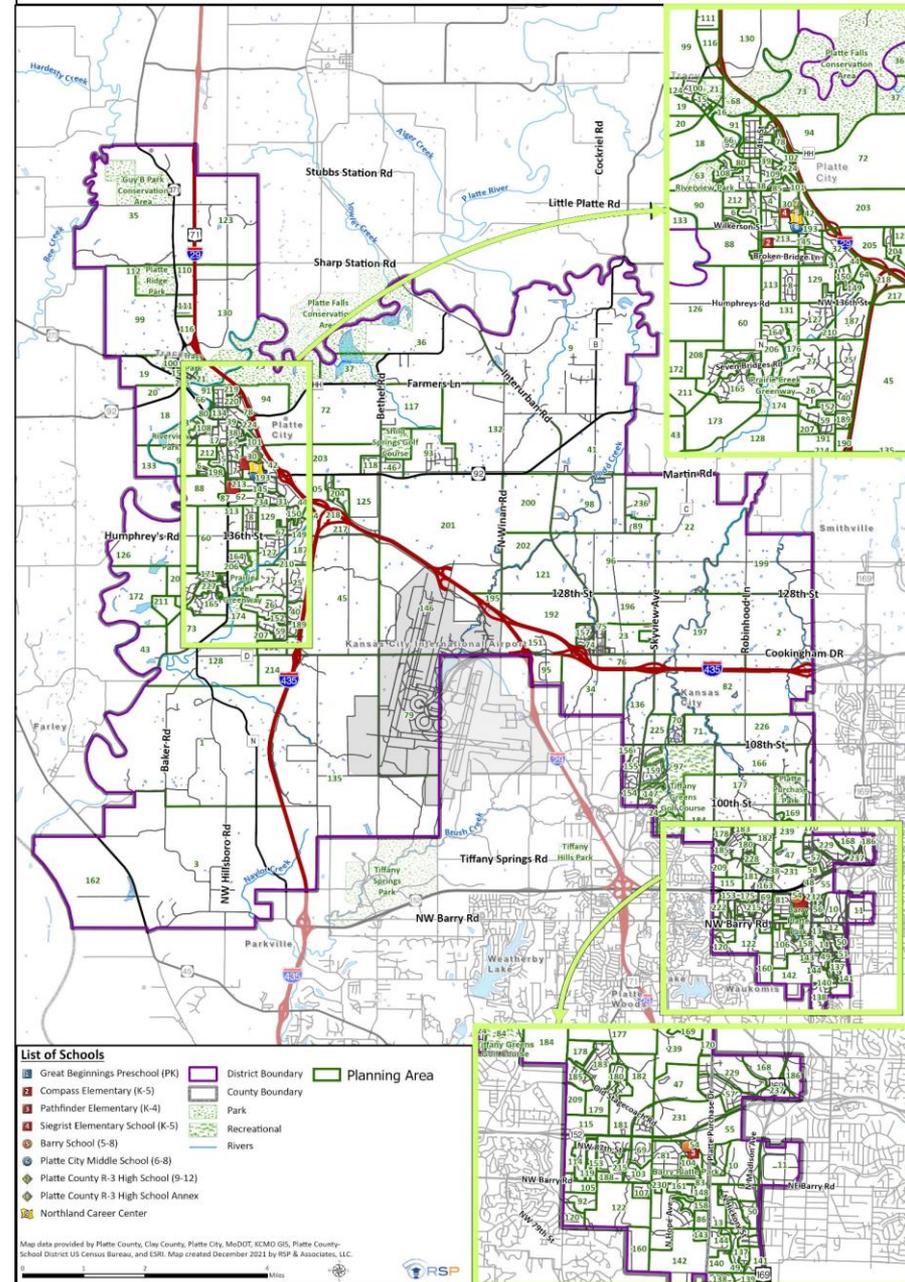
Notes:

1. Barry School current reside includes the 5th grade class; Pathfinder reside includes classes K to 4th.
2. Free or Reduced Lunch (FRL)
3. Student enrollment provided by Platte County R-3 School District



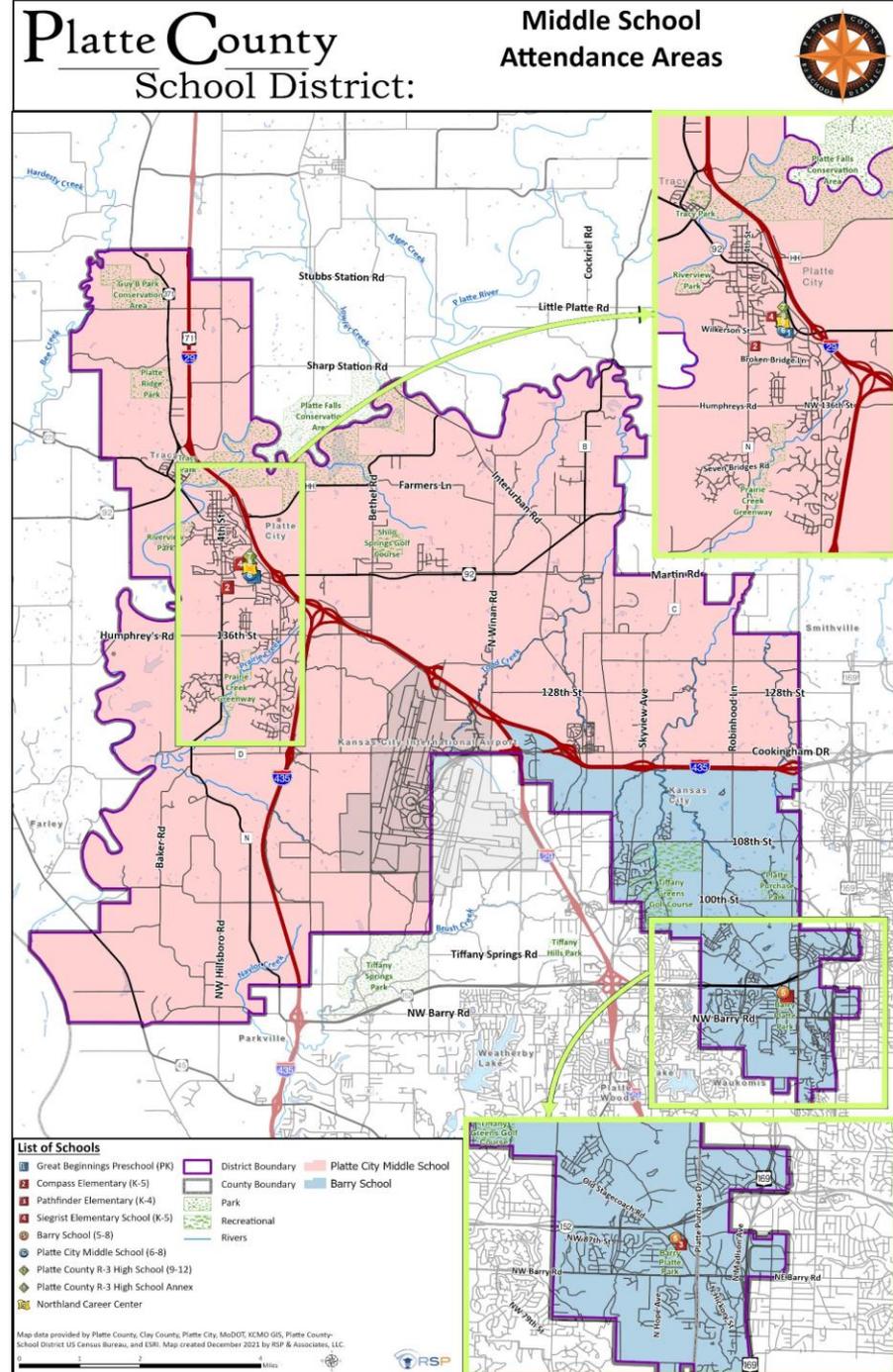
Planning Area Map

- **Purple Line:** District boundary
- **Green Outline:** Planning Areas
- Over 200 unique areas are analyzed for demographic, development, and enrollment change (green)
- Statistically analyzing data with this number of geographic based polygons will provide a deeper context to how change is happening resulting in a reliable tool to make credible planning decisions
- Each planning area had a different outlook based on indicators such as value of housing, square footage of housing unit, when the housing product was constructed, as well as access to amenities such as shopping, parks, trails, and roads
- Planning Areas are created from:
 - Land Use (Residential, Commercial, Industrial)
 - Residential Density (Single-Family, Mobile Home, Duplex, Apartment)
 - Natural Features (Rivers and Forests)
 - Manmade Features (Railroad and Streets)
 - Attendance Area



Middle School Bounda

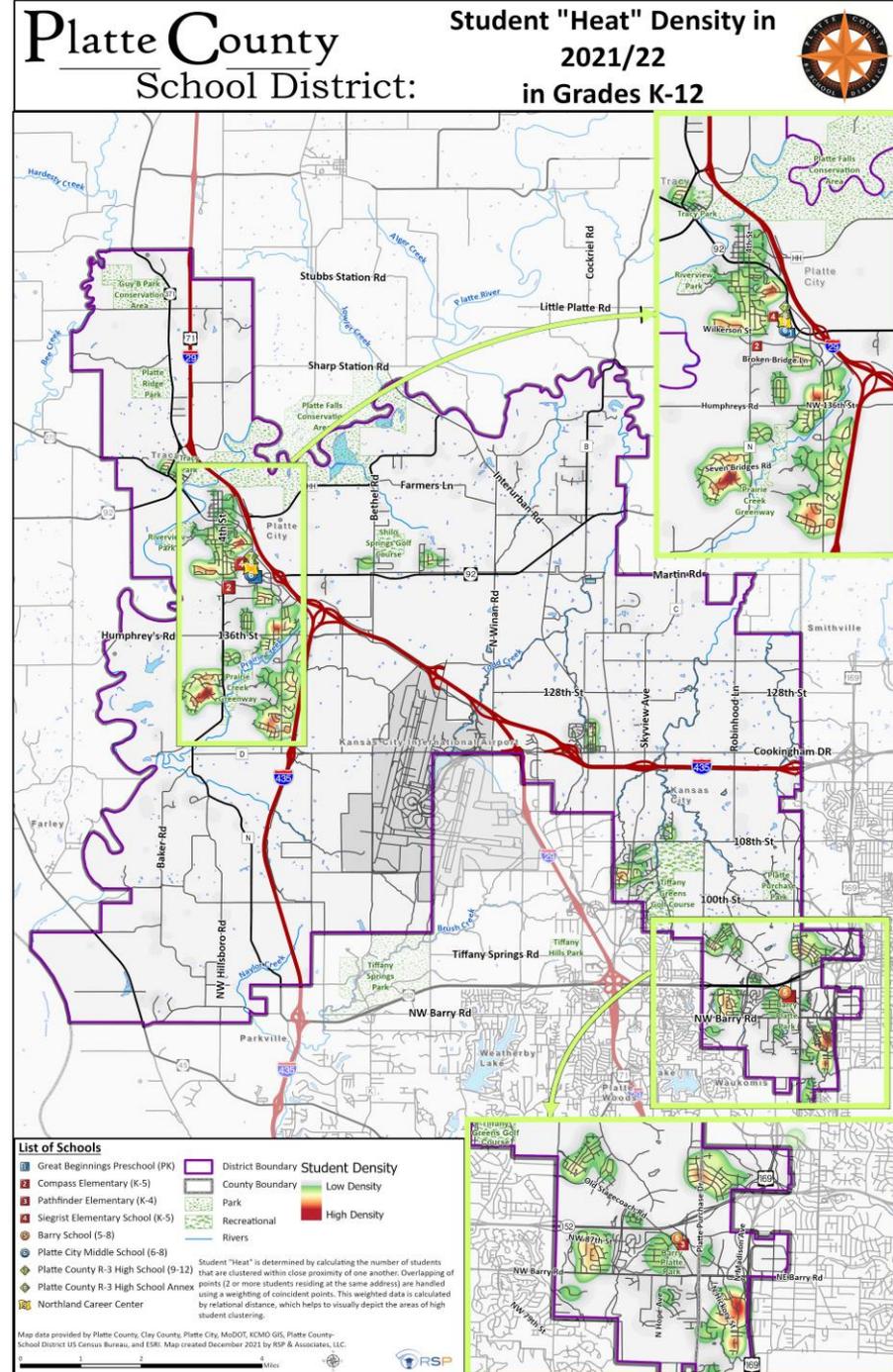
- **Purple Line:** District boundary
- Major Streets
- Major water features & cultural features
- Middle Schools:
 - **Platte City Middle School 6-8**
 - **Barry School 5-8**



Heat Map

Definition: shows the location of students in proximity to other students for a “heat affect” in the district.

- **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 By Grade

Enrollment By Grade

Year	PK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total	Change	% Change
2003/04	0	208	194	188	174	197	199	186	198	191	185	163	145	167	2,395		
2004/05	0	229	207	211	200	191	207	202	199	214	200	186	169	148	2,563	168	7.0%
2005/06	0	224	231	204	223	204	188	215	208	217	222	204	189	171	2,700	137	5.3%
2006/07	29	223	227	234	222	218	223	197	216	212	219	216	209	172	2,817	117	4.3%
2007/08	36	241	236	231	241	229	223	237	203	226	222	229	214	197	2,965	148	5.3%
2008/09	72	283	258	262	238	253	246	244	241	226	244	232	227	208	3,234	269	9.1%
2009/10	66	294	292	255	262	252	262	262	247	254	241	248	244	195	3,374	140	4.3%
2010/11	75	314	294	309	267	283	263	286	267	265	247	245	244	218	3,577	203	6.0%
2011/12	64	306	309	306	313	267	293	279	283	276	280	244	237	210	3,667	90	2.5%
2012/13	68	302	301	312	310	312	292	295	278	292	260	274	237	203	3,736	69	1.9%
2013/14	53	311	310	299	314	314	319	297	293	282	298	263	263	236	3,852	116	3.1%
2014/15	70	292	319	310	307	325	315	320	303	299	292	286	255	270	3,963	111	2.9%
2015/16	67	339	291	328	312	314	343	317	306	305	292	294	265	259	4,032	69	1.7%
2016/17	78	301	351	287	326	321	317	334	315	301	308	291	285	271	4,086	54	1.3%
2017/18	85	299	322	331	303	330	319	312	344	319	320	308	291	289	4,172	86	2.1%
2018/19	68	335	312	326	355	293	347	329	326	338	320	323	295	280	4,247	75	1.8%
2019/20	85	306	338	319	326	370	304	347	337	341	345	322	315	289	4,344	97	2.3%
2020/21	65	321	300	307	300	325	354	320	341	326	346	335	325	305	4,270	-74	-1.7%
2021/22	61	291	323	296	324	310	323	369	331	329	333	341	339	308	4,278	8	0.2%

Source: Platte County R-3 School District

Observations:

- Largest K-12 class in 2021/22 – 6th grade with 369 students
- Smallest K-12 class in 2021/22 – Kindergarten with 291 students
- Graduating senior class larger than the incoming Kindergarten class

Cohort Student Observation

Update 12/28/21

Enrollment Grade Change

From	To	PK PK	PK 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
2002/03	2003/04	0	208	194	188	174	197	199	186	198	191	185	163	145	167	2395
2003/04	2004/05	0	229	-1	17	12	17	10	3	13	16	9	1	6	3	168
2004/05	2005/06	0	224	2	-3	12	4	-3	8	6	18	8	4	3	2	137
2005/06	2006/07	29	223	3	3	18	-5	19	9	1	4	2	-6	5	-17	117
2006/07	2007/08	7	212	13	4	7	7	5	14	6	10	10	10	-2	-12	148
2007/08	2008/09	36	247	17	26	7	12	17	21	4	23	18	10	-2	-6	269
2008/09	2009/10	-6	222	9	-3	0	14	9	16	3	13	15	4	12	-32	140
2009/10	2010/11	9	248	0	17	12	21	11	24	5	18	-7	4	-4	-26	203
2010/11	2011/12	-11	231	-5	12	4	0	10	16	-3	9	15	-3	-8	-34	90
2011/12	2012/13	4	238	-5	3	4	-1	25	2	-1	9	-16	-6	-7	-34	69
2012/13	2013/14	-15	243	8	-2	2	4	7	5	-2	4	6	3	-11	-1	116
2013/14	2014/15	17	239	8	0	8	11	1	1	6	6	10	-12	-8	7	111
2014/15	2015/16	-3	269	-1	9	2	7	18	2	-14	2	-7	2	-21	4	69
2015/16	2016/17	11	234	12	-4	-2	9	3	-9	-2	-5	3	-1	-9	6	54
2016/17	2017/18	7	221	21	-20	16	4	-2	-5	10	4	19	0	0	4	86
2017/18	2018/19	-17	250	13	4	24	-10	17	10	14	-6	1	3	-13	-11	75
2018/19	2019/20	17	238	3	7	0	15	11	0	8	15	7	2	-8	-6	97
2019/20	2020/21	-20	236	-6	-31	-19	-1	-16	16	-6	-11	5	-10	3	-10	-74
2020/21	2021/22	-4	226	2	-4	17	10	-2	15	11	-12	7	-5	4	-17	8
3-Yr Avg		-2.3	233.3	-0.3	-9.3	-0.7	8.0	-2.3	10.3	4.3	-2.7	6.3	-4.3	-0.3	-11.0	10.3
3-Yr Wavg		-5.8	231.3	-0.5	-11.2	2.2	7.2	-4.5	12.8	4.8	-7.2	6.3	-5.5	1.7	-12.8	-4.5

Source: Platte County R-3 School District

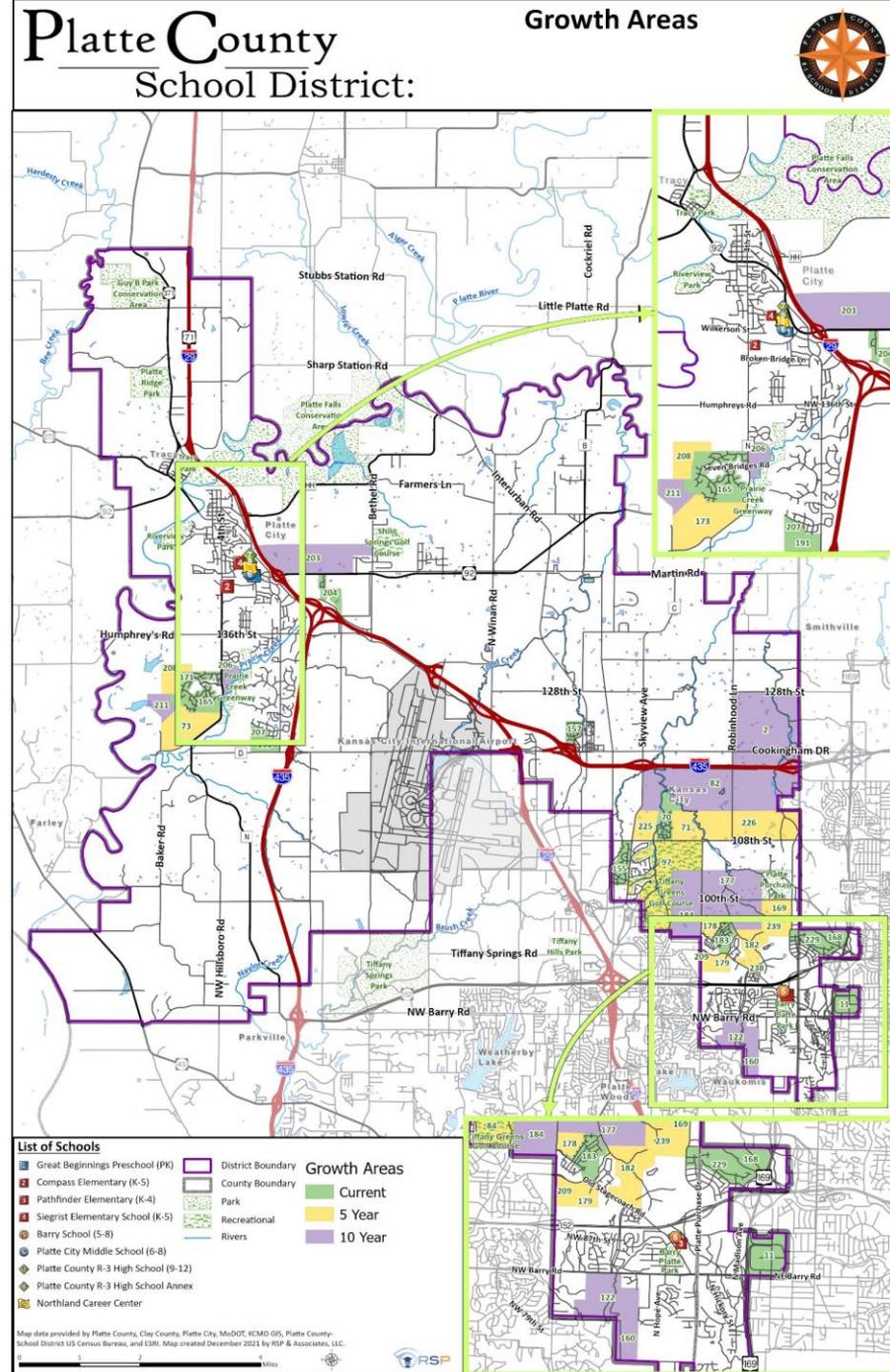
Table Explanation

- All data calculations from above table
- Largest 3-yr average K-12 class cohort increase – 5th to 6th grade with an additional 10 students
- Largest 3-yr average K-12 class cohort decrease – 11th to 12th grade with a loss of 11 students
- **Total 3-yr average of cohort change is an increase of 10 students**

Growth Areas Map

Growth areas are created from existing land use, future land use, capital improvement plan, zoning, and city staff input

- **Green:** Identifies where development activity is happening (current)
- **Yellow:** Identifies possible areas that could develop (5-year)
- **Purple:** Identifies possible areas that could develop (10-year)
- The market and property owners desire to build guides the timing of development
- Most growth areas dependent on infrastructure improvements
- Other properties not shown might develop while some shown might not develop
- The timing of development correlates with when each of the cities are extending infrastructure, as well as economic conditions



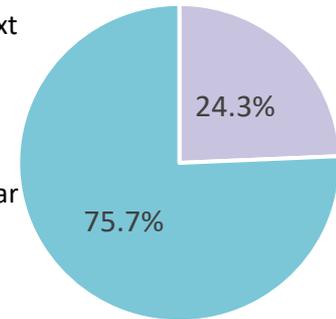
Development Table – All

Key
SF: Single-Family **Rural: Rural**
MU: Mixed-Use **MF: Multi-Family**
AG: Agriculture **TH: Town Homes**
VAC: Vacant Land **MHP: Mobile Home Park**

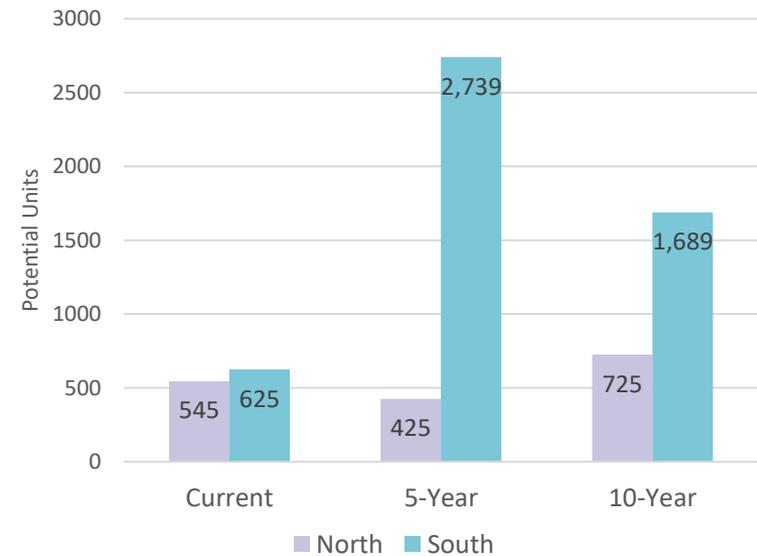
RSP Plan Area Name	Type	Growth Area	Existing Units	Potential Units	Acres	Feeder
South of Running Horse	AG	Current	0	75	74.87	North
West of Running Horse 2nd	AG	Current	0	70	31.04	North
Cutting Crest	SF	Current	19	89	72.53	North
North Creek Village	SF	Current	152	67	56.05	North
Seven Bridges, North	SF	Current	178	71	131.46	North
Seven Bridges, South	SF	Current	196	103	139.88	North
Metro North Crossing	MU	Current	0	249	130.32	South
Fountain Hills	SF	Current	183	167	125.06	South
Fountain Hills Final Plats	SF	Current	0	105	72.03	South
Genesis Place 1st	SF	Current	222	14	88.61	South
Hawksbury 1st, 2nd, 3rd, and 4th	SF	Current	226	23	113.52	South
Tiffany Lakes	SF	Current	145	67	132.79	South
South of Seven Bridges	AG	5 Year	0	300	280.50	North
West of Seven Bridges	AG	5 Year	0	125	100.18	North
Bittersweet	AG	5 Year	0	175	77.98	South
South of Old Stagecoach near Genesis Village	AG	5 Year	0	70	50.42	South
Tiffany Greens (West)	MU	5 Year	0	460	502.77	South
Twin Creeks Village - Future Apartments	MF	5 Year	0	240	9.39	South
South of Old Stagecoach near Genesis Village	MU	5 Year	0	90	44.93	South
Genesis Place Estates 1st	Rural	5 Year	2	80	42.86	South
Twin Creeks Village - Townhomes /Big House Units	Rural	5 Year	2	484	129.62	South
Twin Creeks Village -"Erika's Place"	SF	5 Year	2	458	127.21	South
East of Tiffany Lakes	VAC	5 Year	4	250	529.08	South
Tiffany Greens (South)	VAC	5 Year	0	132	94.14	South
Vacant Land Surrounding Tiffany Lakes	VAC	5 Year	0	125	140.66	South
West of Tiffany Lakes	VAC	5 Year	1	175	120.94	South
West of Seven Bridges, 2	AG	10 Year	0	150	91.69	North
Johnston Farms	Rural	10 Year	2	125	68.72	North
Northland Reformed Church & Rural North of I-435 at Robinhood	Rural	10 Year	7	200	898.49	North
Rustic Acres Northeast	Rural	10 Year	1	250	516.82	North
West of Hunters Ridge 1st	AG	10 Year	0	165	79.52	South
East of WAU-LIN-CREE Apartments	Rural	10 Year	1	300	189.96	South
Lynn Acres	Rural	10 Year	13	300	1,096.67	South
Tiffany Greens (Central)	Rural	10 Year	1	828	355.39	South
Tiffany Greens (East)	Rural	10 Year	12	96	593.52	South
Current Total			1,321	1,100		
5 Year Total			11	3,164		
10 Year Total			37	2,414		
All Total			1,369	6,678		

Percent of Potential Units by North/South Feeder

- Over 3,000 potential units district-wide could be developed in the next 5 years
- Most of development potential in south**
- North:** 475 current units, 425 5-year units, and 725 10-year units in the north (1,625 total units)
- South:** 625 current units, 2,739 5-year units, and 1,689 10-year units in the south (5,053 total units)



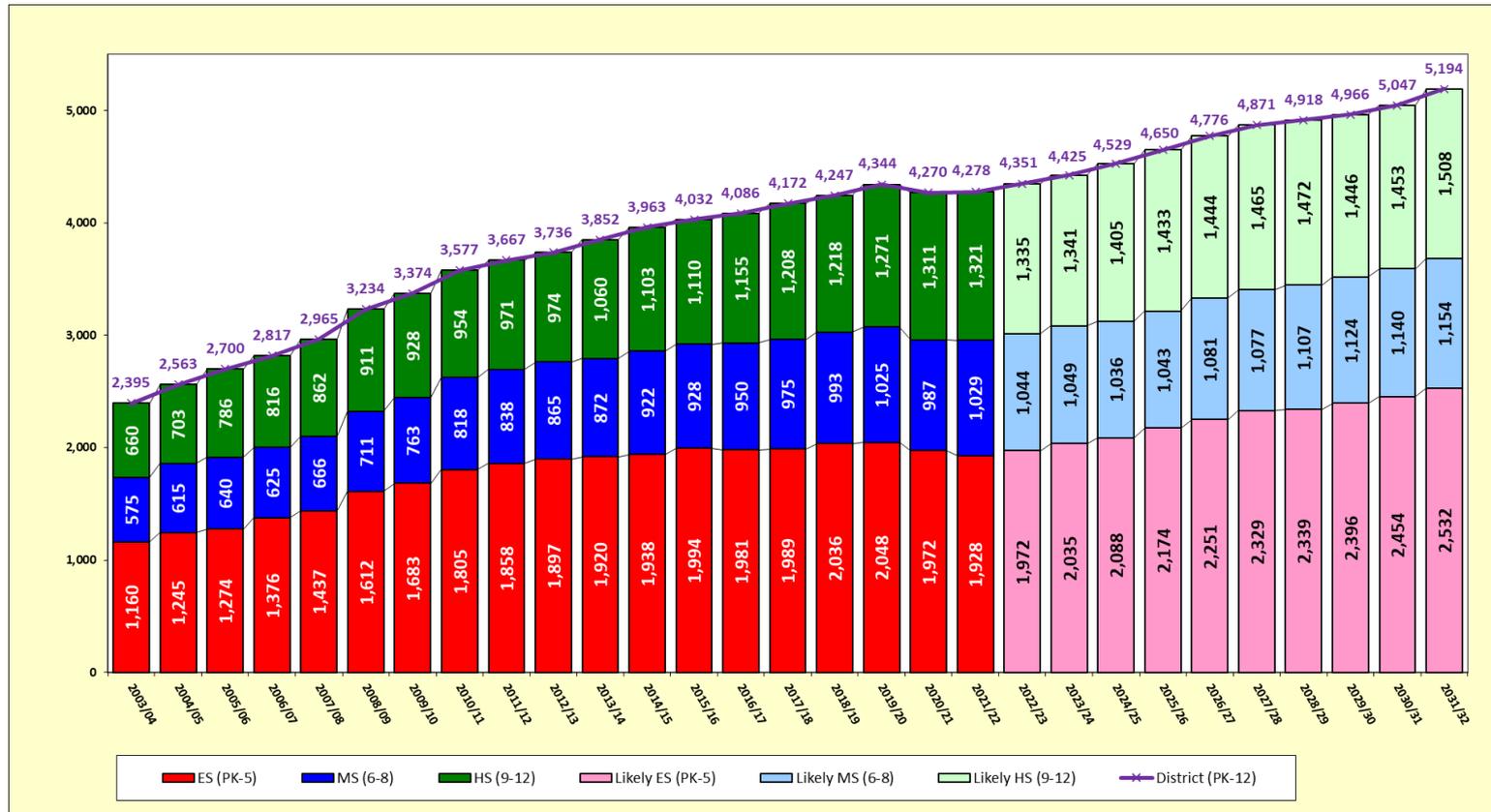
Potential Units by North/South Feeder



Source: Clay & Platte Counties, KCMO, Platte City & RSP

Past, Current, & Future Enrollment

Update 01/10/22



Source: Platte County R-3 School District, and RSP

- Enrollment Change – enrollment increase anticipated (at all grade levels)
- Anticipated building activity opportunities will influence enrollment increase in the later years of the forecast
- District increases by nearly 500 students (+10.6%) (+1.2% to +2.7% a year)
- Elementary School increases by about 250 students (+12.9%) (+0.7% to +4.0% a year)
- Middle School increases by about 100 students (+8.8%) (-1.6% to +5.5% a year)
- High School increases by over 100 students (+9.3%) (+0.4% to +4.8% a year)

Building Projections

Note: Building capacities have been provided by Platte County R-3 School District, however these capacities will likely change in the near future as part of an updated Facility Master Plan and repurposing of several of the existing buildings.

Update 1/04/22

Platte County R-3 School District Enrollment Projections By School (Based on Student Reside)

School	Functional Capacity	Student Location	Past School Enrollment			Projections Based on Residence				
			2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
Great Beginnings Preschool PK	80	Reside/Attend	85	65	61					
		Reside	85	65	61	74	81	79	86	91
		Attend	85	65	61	74	81	79	86	91
Compass Elementary K to 5th NORTH FEEDER	615	Reside/Attend	575	592	565					
		Reside	613	626	589	587	589	604	615	631
		Attend	613	604	581	587	589	604	615	631
Pathfinder Elementary K to 4th SOUTH FEEDER	660	Reside/Attend	642	574	606					
		Reside	653	580	612	645	682	741	812	870
		Attend	652	580	607	645	682	741	812	870
Siegrist Elementary K to 5th NORTH FEEDER	680	Reside/Attend	552	570	547					
		Reside	590	577	559	543	545	532	522	493
		Attend	590	599	574	543	545	532	522	493
Barry School 5th to 8th SOUTH FEEDER	588	Reside/Attend	424	452	457					
		Reside	437	457	461	473	515	533	570	611
		Attend	431	455	457	473	515	533	570	611
Platte City Middle School 6th to 8th NORTH FEEDER	807	Reside/Attend	691	652	675					
		Reside	695	654	675	694	672	635	612	636
		Attend	702	656	677	694	672	635	612	636
Platte County High School 9th to 12th	1,604	Reside/Attend	1,271	1,311	1,321					
		Reside	1,271	1,311	1,321	1,335	1,341	1,405	1,433	1,444
		Attend	1,271	1,311	1,321	1,335	1,341	1,405	1,433	1,444
ES BUILDING SCHOOL TOTAL PK to 5th (Barry School 5th grade in MS Total)	2,035	Reside/Attend	1,854	1,801	1,779					
		Reside	1,941	1,848	1,821	1,849	1,897	1,956	2,035	2,085
		Attend	1,940	1,848	1,823	1,849	1,897	1,956	2,035	2,085
MS BUILDING SCHOOL TOTAL 6th to 8th (Barry School 5th grade in MS Total)	1,395	Reside/Attend	1,115	1,104	1,132					
		Reside	1,132	1,111	1,136	1,167	1,187	1,168	1,182	1,247
		Attend	1,133	1,111	1,134	1,167	1,187	1,168	1,182	1,247
HIGH TOTAL 9th to 12th	1,604	Reside/Attend	1,271	1,311	1,321					
		Reside	1,271	1,311	1,321	1,335	1,341	1,405	1,433	1,444
		Attend	1,271	1,311	1,321	1,335	1,341	1,405	1,433	1,444
DISTRICT TOTALS PK to 12th	5,034	Reside/Attend	4,240	4,216	4,232					
		Reside	4,344	4,270	4,278	4,351	4,425	4,529	4,650	4,776
		Attend	4,344	4,270	4,278	4,351	4,425	4,529	4,650	4,776

Source: RSP & Associates, LLC - December 2021 (2021/22 Enrollment Update 12/28/21)

○ Over School Functional Capacity

Long Range Projections

Note: Building capacities have been provided by Platte County R-3 School District, however these capacities will likely change in the near future as part of an updated Facility Master Plan and repurposing of several of the existing buildings.

Update 1/04/22

Past, Current, and Future Enrollment

Grade	School Year																			
	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	2031/32	
PK	0	75	67	78	85	68	85	65	61	74	81	79	86	91	93	89	93	96	95	
K	224	314	339	301	299	335	306	321	291	322	330	333	350	375	384	396	412	423	441	
1st	231	294	291	351	322	312	338	300	323	300	333	346	347	363	377	385	396	414	431	
2nd	204	309	328	287	331	326	319	307	296	324	305	341	351	353	367	366	389	385	402	
3rd	223	267	312	326	303	355	326	300	324	304	332	318	353	363	364	363	366	394	391	
4th	204	283	314	321	330	293	370	325	310	331	314	345	332	365	363	373	368	366	402	
5th	188	263	343	317	319	347	304	354	323	317	340	326	355	341	381	367	372	376	370	
6th	215	286	317	334	312	329	347	320	369	330	326	352	337	365	352	385	371	379	388	
7th	208	267	306	315	344	326	337	341	331	379	341	338	364	348	369	356	390	375	385	
8th	217	265	305	301	319	338	341	326	329	335	382	346	342	368	356	366	363	386	381	
9th	222	247	292	308	320	320	345	346	333	337	343	393	356	351	375	360	373	367	378	
10th	204	245	294	291	308	323	322	335	341	331	340	346	396	358	347	379	360	369	371	
11th	189	244	265	285	291	295	315	325	339	334	328	339	344	393	358	350	375	355	375	
12th	171	218	259	271	289	280	289	305	308	333	330	327	337	342	385	383	338	362	384	
PK-5	1,274	1,805	1,994	1,981	1,989	2,036	2,048	1,972	1,928	1,972	2,035	2,088	2,174	2,251	2,329	2,339	2,396	2,454	2,532	
6-8	640	818	928	950	975	993	1,025	987	1,029	1,044	1,049	1,036	1,043	1,081	1,077	1,107	1,124	1,140	1,154	
9-12	786	954	1,110	1,155	1,208	1,218	1,271	1,311	1,321	1,335	1,341	1,405	1,433	1,444	1,465	1,472	1,446	1,453	1,508	
District	2,700	3,577	4,032	4,086	4,172	4,247	4,344	4,270	4,278	4,351	4,425	4,529	4,650	4,776	4,871	4,918	4,966	5,047	5,194	
Enrollment Change	137	203	69	54	86	75	97	-74	8	73	74	104	121	126	95	47	48	81	147	

Sources: 2003/04 to 2021/22 Platte County R3 School District

- 2022/23 to 2026/27 RSP & Associates SFM Projections from the 2021/22 Enrollment 5-Year Projections
- 2027/28 to 2031/32 RSP & Associates estimates based on past enrollment change factors

Future Considerations

- The projections are utilizing the best available information:
 - State, County, City, and Census
- The projections are created from a Sophisticated Forecast Model (SFM) that tracks past and emerging trends using a Regression Statistical formula
- Many things could change over the next five years impacting how the projections play out:
 - Birth Rates, Household Demographics, Employment Opportunities
 - Residential Activity (number of units constructed)
 - Type of Residential Activity (Single-Family, Duplexes, Apartments)

Building Grade Level Projections

Note: Building capacities have been provided by Platte County R-3 School District, however these capacities will likely change in the near future as part of an updated Facility Master Plan and repurposing of several of the existing buildings.

Update 1/04/22

RESIDE

2022/23 School Year

School	Functional Capacity	Grade														Total
		PK	Kind	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	
Great Beginnings Preschool	80	74														74
Compass Elementary	615		98	95	97	95	98	104								587
Pathfinder Elementary	660		142	136	117	118	132									645
Siegrist Elementary	680		82	69	110	91	101	90								543
Barry School	588							123	110	131	109					473
Platte City Middle School	807								220	248	226					694
Platte County High School	1,604											337	331	334	333	1,335
DISTRICT TOTALS	5,034	74	322	300	324	304	331	317	330	379	335	337	331	334	333	4,351

Source: RSP & Associates, LLC - December 2021

 Over School Functional Capacity

ATTEND

2022/23 School Year

School	Functional Capacity	Grade														Total
		PK	Kind	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	
Great Beginnings Preschool	80	74														74
Compass Elementary	615		92	89	91	98	101	105								576
Pathfinder Elementary	660		142	136	116	117	130									641
Siegrist Elementary	680		88	75	117	89	100	90								559
Barry School	588							122	109	130	109					470
Platte City Middle School	807								221	249	226					696
Platte County High School	1,604											337	331	334	333	1,335
DISTRICT TOTALS	5,034	74	322	300	324	304	331	317	330	379	335	337	331	334	333	4,351

Source: RSP & Associates, LLC - December 2021

 Over School Functional Capacity