VISUALIZING SUCCESS

LAKE ZURICH COMMUNITY UNIT
School District 95

Planning for the Future

2020/21 Boundary Team Meeting #1 (September 17, 2020)

RSP

Discussion Points

- Introductions (Part One)
  - RSP Introduction
  - Poll Everywhere
  - Activity – Committee Goals
- Process Information (Part Two)
  - Presentation Goals
  - Activity – Conduct/Ground Rules
  - Parking Lot
  - Activity - Consensus
  - Boundary Process, Roles and ACE
  - Guiding Principles Discussion
  - Boundary Criteria Overview and Prioritizing
- Enrollment, Development, and Demographics (Part Three)
  - Activity – Enrollment Analysis Discussion
  - Enrollment Analysis and Projections
- Boundary Discussion (Part Four)
  - Concept Development
  - Concept One - Discussion
  - Concept Two – Discussion
  - Future Concept Discussion
- Moving Forward (Part Five)
  - Next Steps

Part One:
Introductions

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 Arkansas, Iowa, Illinois, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, and Wisconsin

Poll Questions

RSP will use Poll Everywhere, a polling platform to ask questions and get feedback from the Committee to better understand what you may be thinking about various issues throughout the process:

- Keeping your mind engaged
- Get immediate feedback
- Answers will help with future discussions
- Uses cell phone text messages to participate
- Responses are anonymous

Join the poll: Use code provided to join

Activity: Committee Goals

This purpose of this activity is to share the Committee goals for the Boundary Process:

Questions for Discussion:

- What goal/s do you have for the Boundary Discussion?
- Text your responses to Poll Everywhere

Time Limit – 1 minute then report out

Thank You Committee!
RSP appreciates your time and willingness to serve the Lake Zurich community

Boundary Meeting #1 Goals

What are your goals for the Boundary Discussion?

- Ensure there is equity, and all voices are heard when talking about redistricting the schools
- To make process more transparent and make district resources more effective
- Create an equity of resources
- Get a better understanding of what has been discussed and what these plans are right now that have been formulated
- Identify fair and equitable layout that serves all the families and students in the district
- Make sure we have a fair and equitable process, communicate it well, transparency, make sure the entire community is aware of what we are doing, how we are doing it, and what the end results are
- Ensure resources, staff wise and space wise, are divvied up in a way that make sense for the district and to support our families and students
- Facilitate a process where everyone feels heard, has input, and has information they need to make a good decision, find boundaries we feel confident to serve the community for a while and is equitable in resources
- Provide similar experiences across system, student have access to similar experience, boundaries last over time
- Ensure we are creating boundaries that allow all students access to an equitable education and experience
- Ensure we have a long-range plan, if you live in a community, we can give you services for the entire boundary which you reside in
- Equitable distribution of students to they have equal access to all the resources that are available
- Looking for equitable boundaries
- Fairness and equity and making sure children had access to similar education, make sure community agrees with the decisions that are made
- Equitable distribution for students and teaches so everything is very fair

Themes:

- Equity
- Transparency
- Boundary duration

Committee Responses 9/17/20

Part Two:
Process Information

Presentation Goals

1. Provide information that will help guide a Boundary discussion for the Elementary and Middle School Attendance area realignment:
   - Boundary Process
   - Boundary Scope and Boundary Criteria
   - General information about Enrollment and Demographics
   - Preliminary Concept discussion
2. Provide a transparent dialogue between RSP, Administration, Board of Education, Boundary Committee and the Lake Zurich community

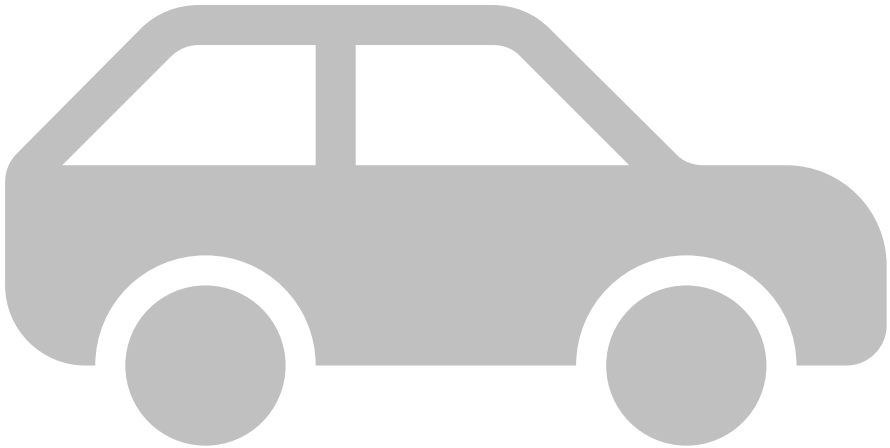
Conduct/Ground Rules

Ideas to make the committee meeting successful:

- RSP Facilitator will lead the meeting and provide opportunities for the committee members discussion on agenda topics
- Stay open minded
- Remain thoughtful and respectful
- Everyone will have the opportunity to provide their input
- Make your points in a timely fashion to allow others the opportunity to speak
- Be an active listener – provide complete thoughts – no personal agenda
- Always come to the meeting prepared for the agenda discussion
- Remain engaged during the meeting
- Utilize mute and/or chat features when needed (ZOOM participants)
- Any changes to the process, the role, ACE, Guiding Principles and/or Boundary Criteria will require the Board to vote on that change.

Parking Lot

A place to put questions/comments which will be answered by either RSP or Administration at a future date because it may require additional research or is not on the meeting agenda.



Consensus Definition

Successful discussion and committee progress relies on achieving consensus.

Consensus Definition:

1. Consensus implies that you understand the reason for making the decision and can accept and support the decision.
2. While you may not like the decision, you can live with that outcome or you can/will support it.

Consensus Process

RSP has created a process for obtaining consensus to ensure all items on the agenda are adequately discussed so the committee can move forward.

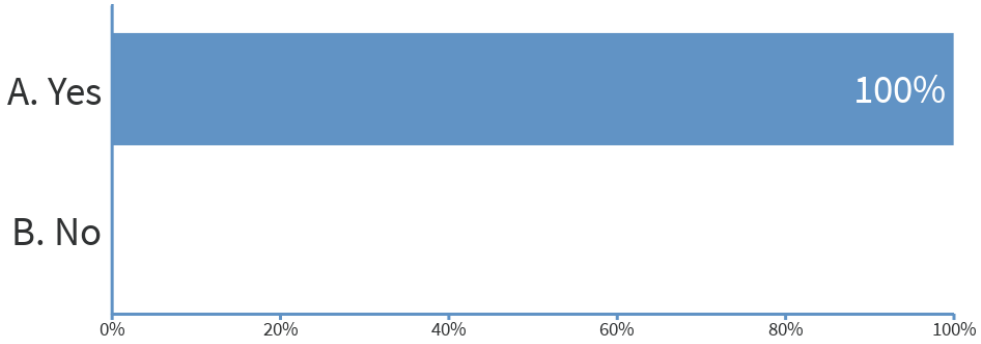
Consensus Process:

1. The committee will consider consensus when 51% of the committee shows support of an item (Goal is having >75% support)
2. Depending on the topic, there may be more time spent discussing that item for the committee to better understand different perspectives
3. After a 2nd vote, if the item remains >51% that will be considered consensus for the committee
4. Discussion comments will be noted

Committee Support

I agree with the definition of consensus.

I support the proposed Conduct/Ground Rules for the Boundary Team meetings



Committee Responses 9/17/20

BOE Supports the Process

The BOE demonstrated unanimous support for the Process, Roles, ACE and Guiding Principles:

Q1: I support the process (Timeline, Structure, Involvement, etc.)

Q2: I support the roles for each of the entities involved in the boundary discussion (School Board, Boundary Team, RSP, and Community)

Q3: I support the three foundational elements (Academics, Culture, Economics: ACE) to assist in making the best boundary realignment plan.

Q4: I agree with the proposed and discussed Boundary Guiding Principles

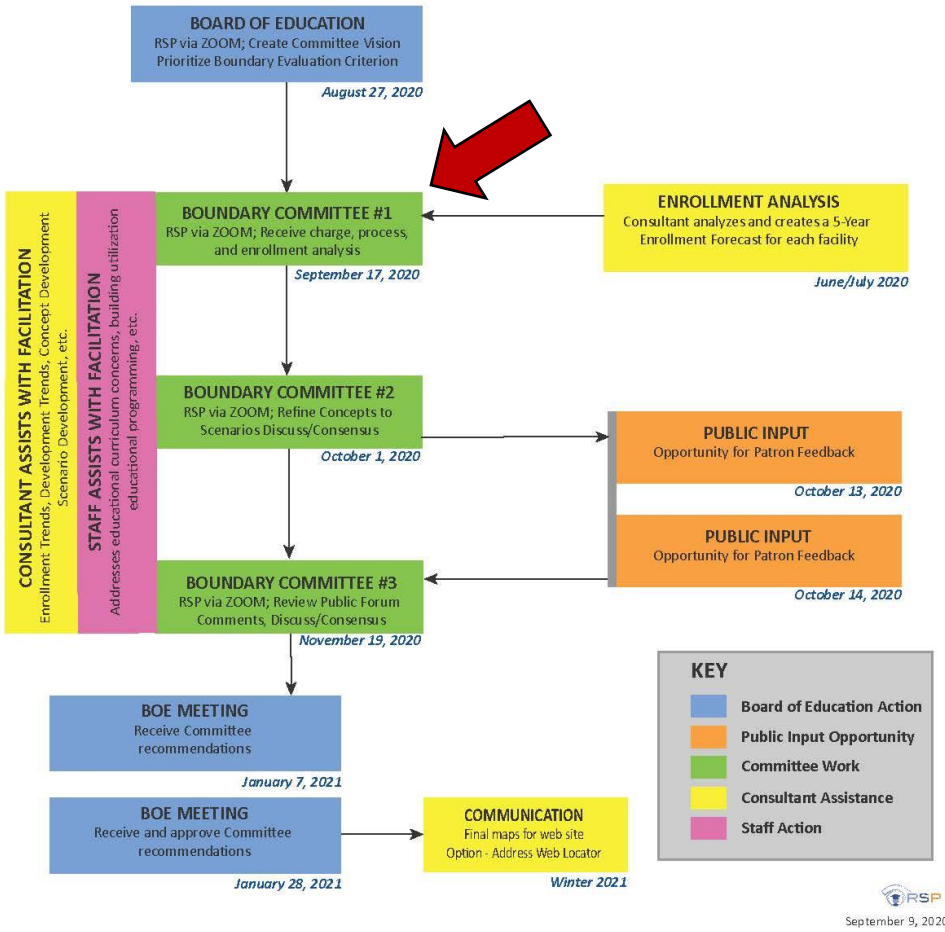
Any changes to the process, the role, ACE, Guiding Principles and/or Boundary Criteria will require the Board to vote on that change.

BOE Responses 8/27/20

Process Detail

LAKE ZURICH COMMUNITY UNIT School District 95

COMPREHENSIVE BOUNDARY PROCESS



- 3 School Board Meetings
- 3 Boundary Team Meetings
  - September 17, 2020
  - October 1, 2020
  - November 19, 2020
- 2 Public Forums
- Begins: June 2020
- Completed: Winter 2021

Defined Process Roles

Board of Education: Provide the framework of the process, community values, prioritized boundary criteria, receive the recommendation, listen to community input, and after more discussion approve high school attendance areas for the 2021/22 school year.

Administration: Provide guidance over the process, attend the meetings and public forums, be a resource in answering questions related to school district related topics, communicate the educational vision, and provide ongoing progress updates to the school community through a targeted communication plan.

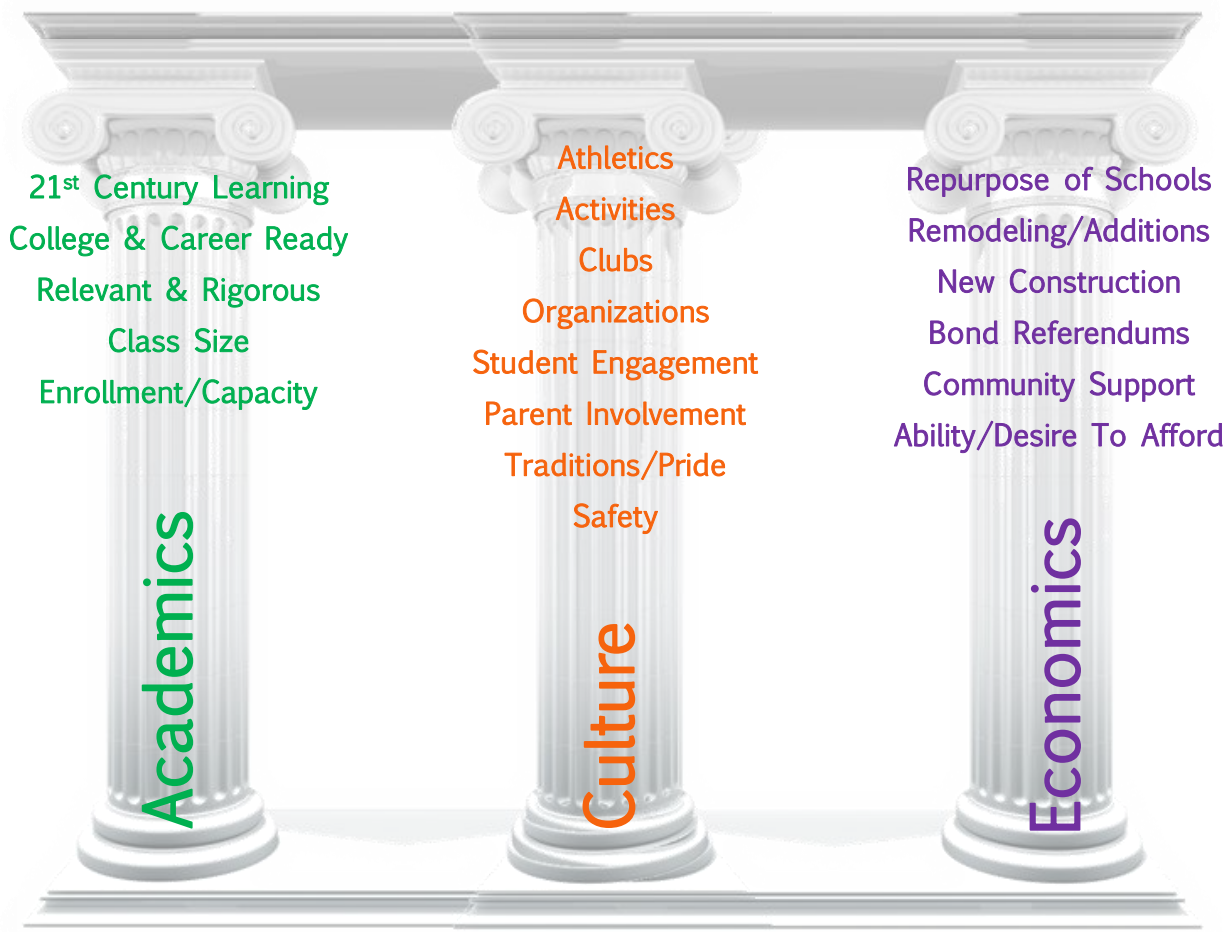
RSP: Facilitator (Board, Boundary Committee, and Public Forums). Utilize GIS data, knowledge gained from city jurisdictions and others to create accurate enrollment projections and generate scenarios based on the feed back to the Board, community values, and prioritized boundary criteria.

Boundary Committee: Examine scenarios presented and evaluate based on the community values and prioritized boundary criteria so a recommendation can be provided to the Board of Education. Focus is not on knowing where students reside, but rather the community values and prioritized boundary criteria

Community: Review the scenarios and provide constructive feedback so the Boundary Committee and/or Board can consider how any of these ideas might benefit the boundary plan that will be implemented

Academics, Culture, Economics (ACE)

LAKE ZURICH COMMUNITY UNIT School District 95



Digging Deeper:

- Relationship between all three pillars and the impact they have on each other
- It is a framework that starts the larger boundary 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 Guiding Principles 2020

The following are Guiding Principles to consider for the Boundary Process:

- The Board will consider this boundary work as part of district wide long-range planning
- The future boundary should provide even better educational opportunities at each school to ensure an equitable student experience at each school
- Neighborhoods are influential in how attendance areas are created and accepted by the community
  - Accessibility for families is essential (volunteering and attending school function are easier when the school is near)
- Future boundaries can anticipate future change of the neighborhood
  - Walkability may not be possible currently – some schools may start with small enrollment in anticipation of growth
- The focus of the Boundary Process is at elementary school and middle school grade levels.
- The boundary proposed should continue to effectively utilize all the available District resources
- Boundary lines that follow natural/manmade boundaries are desired in how attendance areas are created
- Grandfathering/Transfers/Student Options are to be provided by the Board according to Board policy.

Updated to reflect Board discussion 8/27/20

Boundary Criteria 2020 Options

The following are always to be considered:

- Exceptional education must take place at each facility in every option
- The goal is to minimize subjective comments and rumors in order to obtain BOE goals and priorities, and yet provide for the educational need of each student

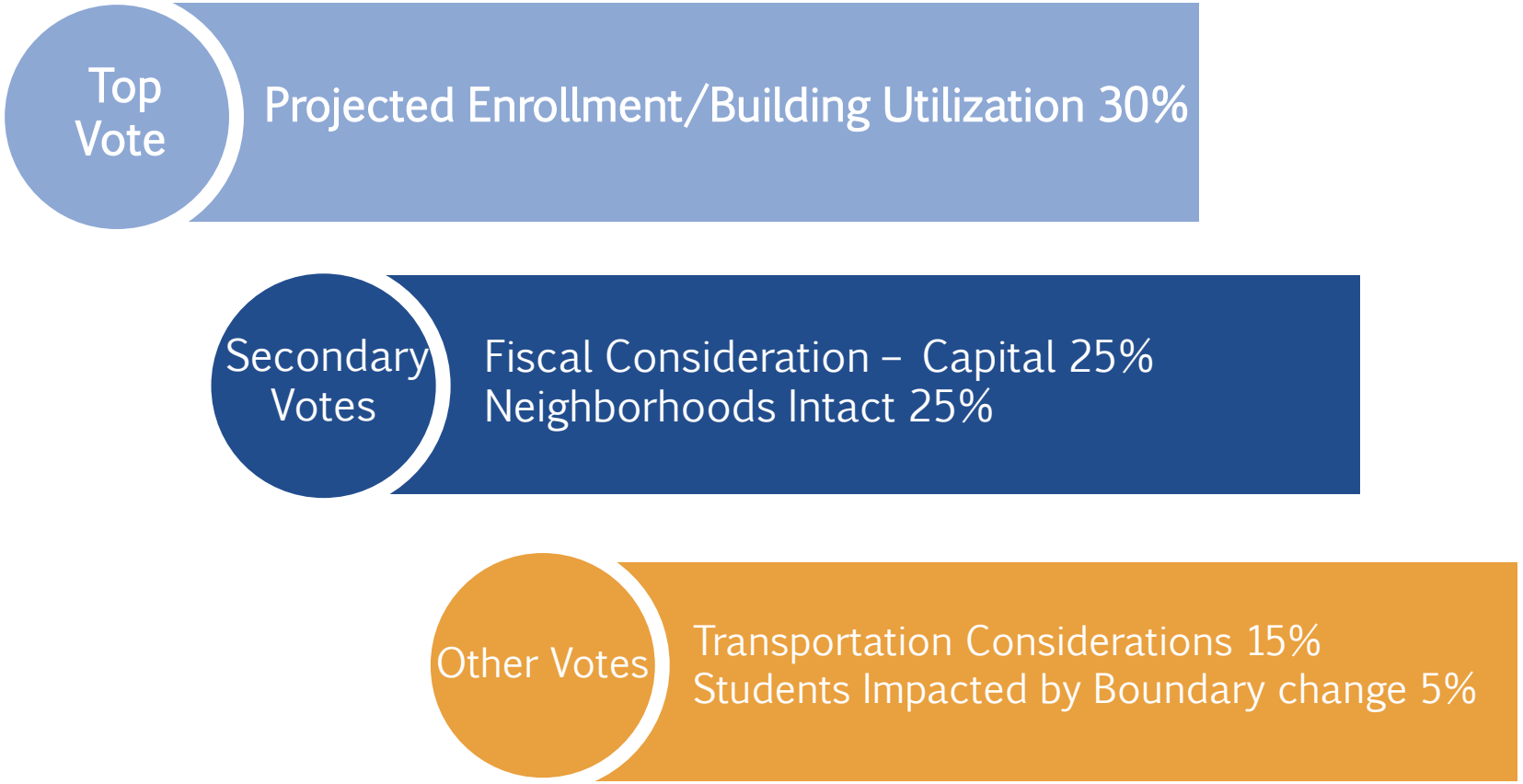
Boundary Criteria Example (Alphabetized):

1. Contiguous Attendance Areas
2. Demographic Considerations
3. Duration of Boundaries
4. Feeder System Considerations
5. Fiscal Consideration - Capital
6. Fiscal Consideration - Operational
7. Neighborhoods Intact
8. Projected Enrollment/Building Utilization
9. Students Impacted by Boundary Change
10. Transportation Considerations

All the Boundary Criteria are important; prioritization provides structure for the discussion

Boundary Criteria 2020

Boundary Criteria Prioritized:



All the Boundary Criteria are important; prioritization provides structure for the discussion

BOE Responses 8/27/20

Part Three:
Enrollment, Development, and Demographics

RSP

100,000 Foot Observations

Enrollment:

- Enrollment Change – Overall enrollment decrease forecasted where enrollment will increase to about to about 5,700 students by 2024/25
- Kindergarten enrollment will range from 350 to 400 students
- District increases by just nearly 200 students (+3.3%) (Annual Range: +0.1% to +1.2% a year)
- Elementary increases by about 40 students (+1.5%) (Annual Range: -0.1% to +1.5% a year)
- Middle School increases by about 100 students (+8.0%) (Annual Range: -1.8% to +4.1% a year)
- High School increase by just over 40 students (+2.4%) (Annual Range: -0.4% to +1.3% a year)

Development:

- There are limited locations for new residential development
- The impact COVID-19 may have on the economy and housing starts must be monitored
- Some infill development will happen in the older, core area, and potentially in places that once were identified as nonresidential

District Boundary

- ❑ District Boundary **(Purple Line)**
- ❑ Major Streets
- ❑ Major water features & cultural features
- ❑ Municipality Limits
  - Deer Park (Pink)
  - Hawthorn Woods (Light Green)
  - Kildeer (Purple)
  - Lake Zurich (Light Blue)
  - Long Grove (Orange)
  - North Barrington (Tan)
  - Palatine (Yellow)
  - Unincorporated (Gray)

School District 95

District Boundary

Elementary Schools

1. Isaac Fox Elementary
2. May Whitney Elementary
3. Sarah Adams Elementary
4. Seth Paine Elementary
5. Spencer Loomis Elementary

Middle Schools

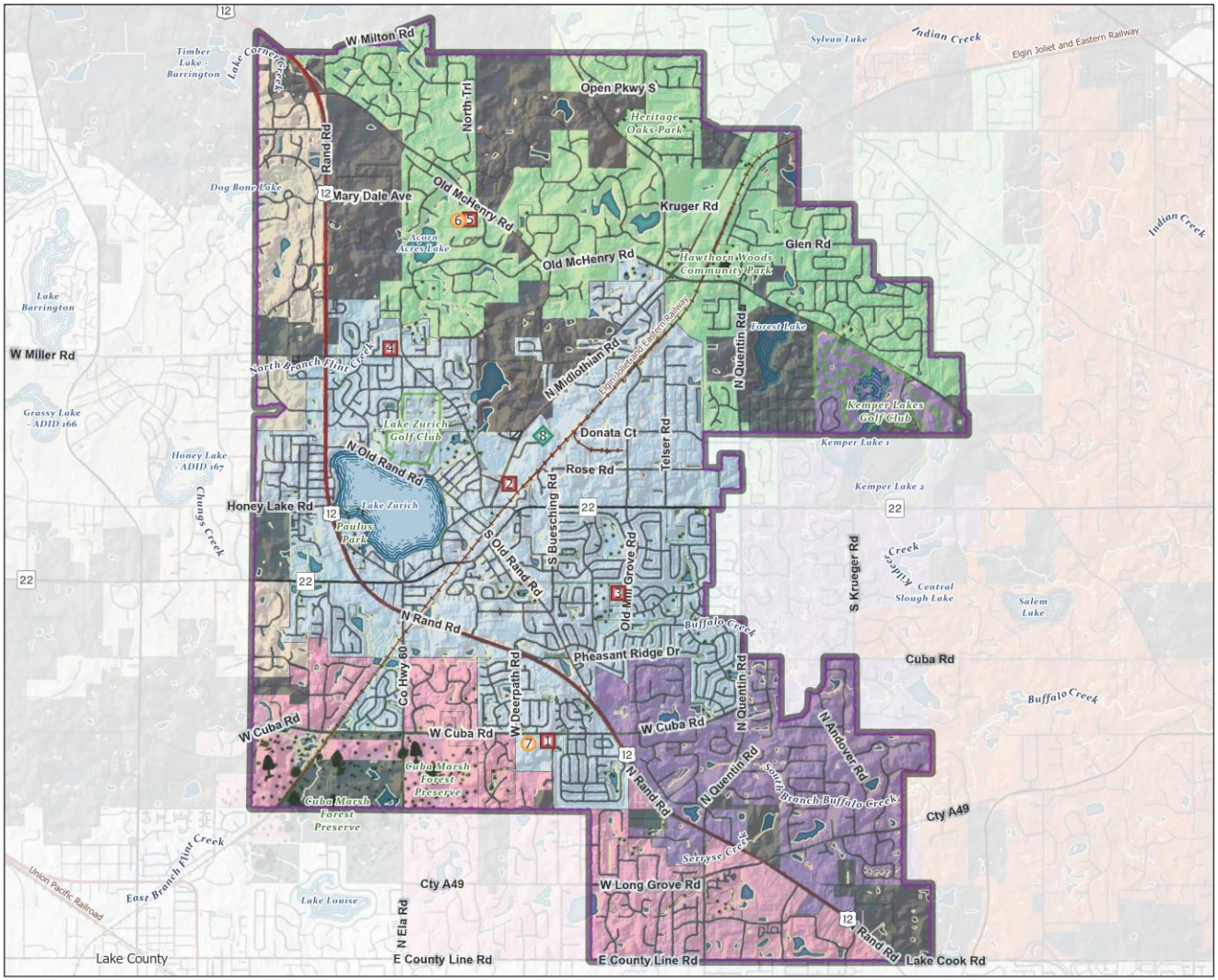
6. Lake Zurich Middle School North
7. Lake Zurich Middle School South

High Schools

8. Lake Zurich High

District Boundary
County Boundary
ES
Cemetery
MS
Golf Course
HS
Open Space/Park/Recreation

Villages
Deer Park
Hawthorn Woods
Kildeer
Lake Zurich
Long Grove
North Barrington
Palatine
Unincorporated



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Map data provided by Lake Zurich Community Unit School District 95, Lake County, Villages of Deer Park, Hawthorn Woods, Kildeer, Lake Zurich, and North Barrington,USGS, IDOT, and ESRI.
Map created June 2020.

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Elementary Attendance Areas

- ❑ District Boundary (Purple Line)
- ❑ Major Streets
- ❑ Major water features & cultural features
- ❑ Attendance Areas (color shading)

School District 95

Elementary School Attendance Areas

Elementary Schools

1. Isaac Fox Elementary
2. May Whitney Elementary
3. Sarah Adams Elementary
4. Seth Paine Elementary
5. Spencer Loomis Elementary

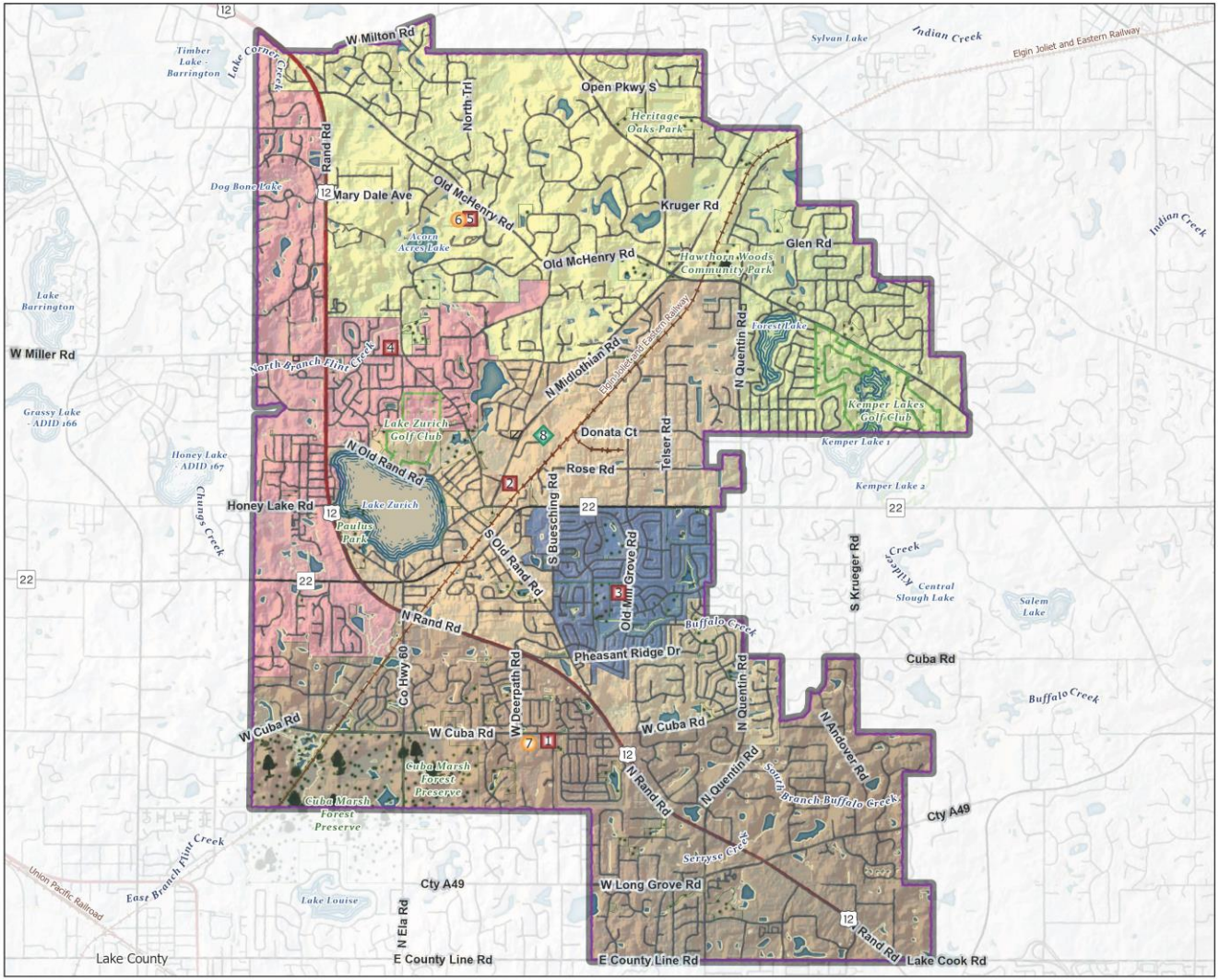
Middle Schools

6. Lake Zurich Middle School North
7. Lake Zurich Middle School South

High Schools

8. Lake Zurich High

District Boundary
County Boundary
ES
Cemetery
MS
Golf Course
HS
Open Space/Park/Recreation



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Map created June 2020.

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Middle School Attendance Areas

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

- ❑ Attendance Areas
  - ❑ Lake Zurich Middle School North (Tan)
  - ❑ Lake Zurich Middle School South (Purple)

School District 95

Middle School Attendance Areas

Elementary Schools

1. Isaac Fox Elementary
2. May Whitney Elementary
3. Sarah Adams Elementary
4. Seth Paine Elementary
5. Spencer Loomis Elementary

Middle Schools

6. Lake Zurich Middle School North
7. Lake Zurich Middle School South

High Schools

8. Lake Zurich High

District Boundary
County Boundary
ES
Cemetery
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Golf Course
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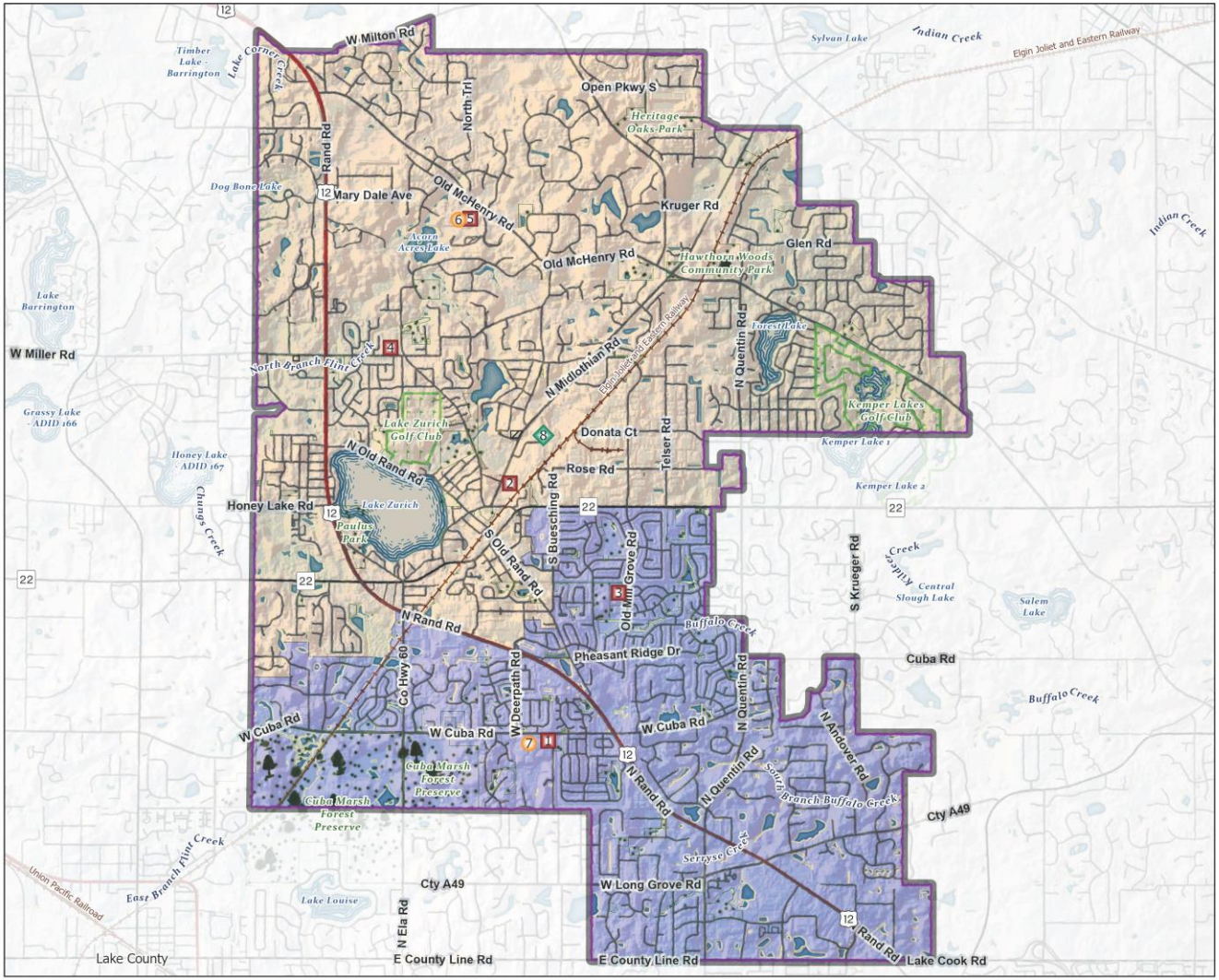
Open Space/Park/Recreation



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Map created June 2020.

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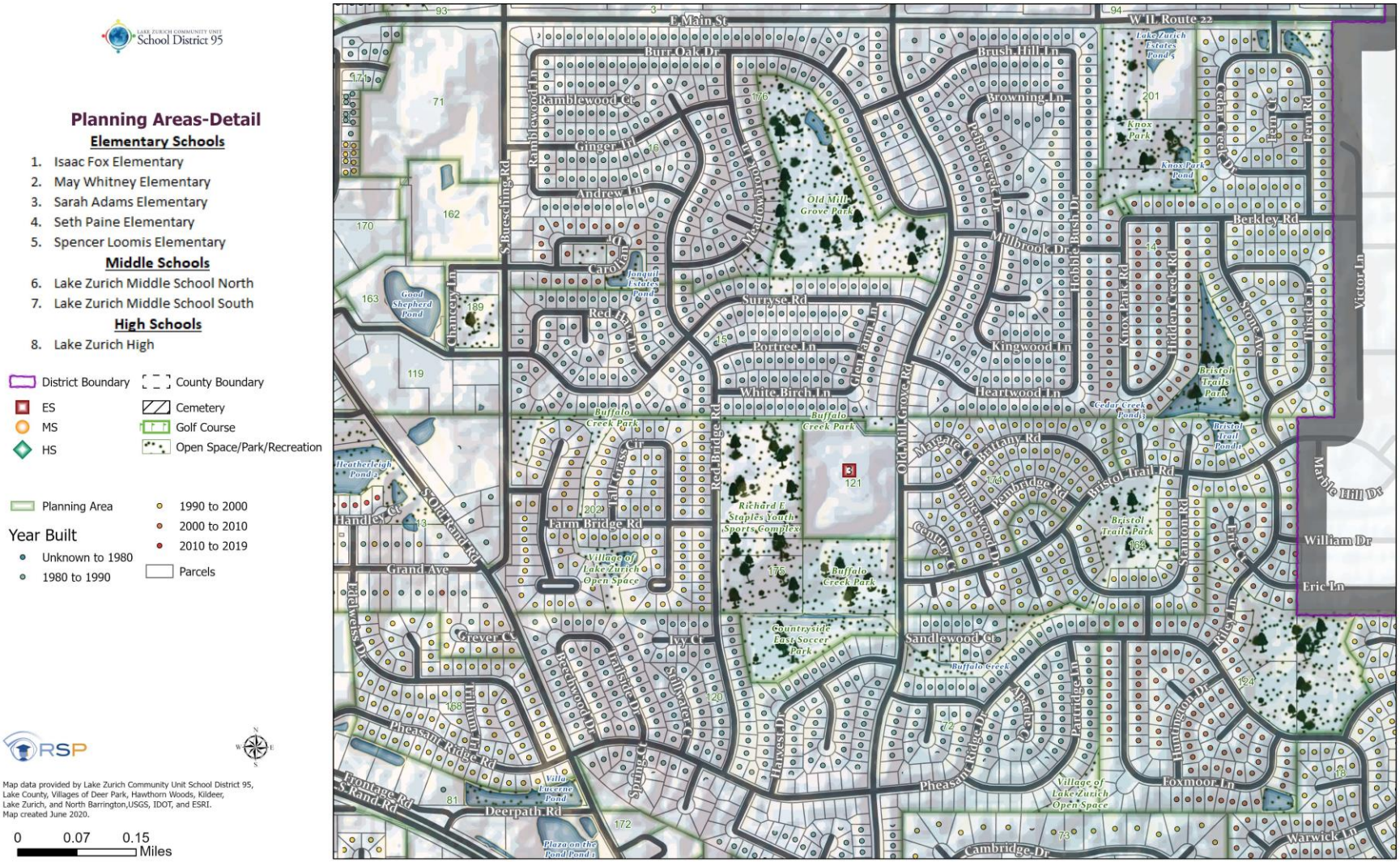
Detailed Planning Areas

- ❑ Zoomed in view of Planning Areas (Green) (Over 200 Planning Areas being monitored)
- ❑ Displays the power of GIS data & Information
- ❑ Shows year-built information by parcel
- ❑ Illustrates how the planning areas are tied to development types at the parcel level



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:

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

Over 600 Planning Areas are statistically analyzed in the district

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
Rc, 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

Past School Enrollment

Enrollment By Grade

Year	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total	Change	% Change
2015/16	315	366	399	390	394	430	461	463	429	470	497	509	508	5,631		
2016/17	345	366	380	425	420	400	440	459	467	446	477	495	533	5,653	22	0.4%
2017/18	376	401	385	414	423	425	413	441	454	477	441	474	502	5,626	-27	-0.5%
2018/19	359	391	418	392	418	434	436	411	450	461	474	431	479	5,554	-72	-1.3%
2019/20	363	396	415	427	397	431	443	448	418	453	452	466	440	5,549	-5	-0.1%

Source: Lake Zurich Community School District 95 (2015/16 to 2019/20) (Not include Non-District Buildings)

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	Change Percent
2015/16	2016/17	30	51	14	26	30	6	10	-2	4	17	7	-2	24	22	0.4%
2016/17	2017/18	31	56	19	34	-2	5	13	1	-5	10	-5	-3	7	-27	-0.5%
2017/18	2018/19	-17	15	17	7	4	11	11	-2	9	7	-3	-10	5	-72	-1.3%
2018/19	2019/20	4	37	24	9	5	13	9	12	7	3	-9	-8	9	-5	-0.1%
3-Yr Avg		6.0	36.0	20.0	16.7	2.3	9.7	11.0	3.7	3.7	6.7	-5.7	-7.0	7.0	-34.7	-0.6%
3-Yr Wavg		1.5	32.8	20.8	12.5	3.5	11	10.3	5.5	5.7	5.5	-6.3	-7.8	7.3	-31	-0.6%

Source: Lake Zurich Community School District 95 (2015/16 to 2019/20) (Not include Non-District Buildings)

Table Explanation:

- Largest K-12 class in 2019/20 – **11th** grade (466)
- Smallest K-12 class in 2019/20 – **Kindergarten** (363) (Full Day Kindergarten beginning 2017/18 school year)
- Graduating 12th grade class larger than the incoming Kindergarten class
- Grade increases typically happen from Kindergarten through 9th grade with high school decreases
- Largest average K-12 class cohort increase – **Kindergarten** to **1st** grade (+36)
- Largest average K-12 class cohort decrease – **10th** to **11th** grade (-7)

DISCLAIMER: 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 Count (Statistical 99% or greater match by grade)

Student Count Change

- Depicts student movement each year at each Planning Area from **2015/16** to **2019/20**
- **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

School District 95

Student Count Change from 2018/19 to 2019/20 in Grades K-12

Elementary Schools

1. Isaac Fox Elementary
2. May Whitney Elementary
3. Sarah Adams Elementary
4. Seth Paine Elementary
5. Spencer Loomis Elementary

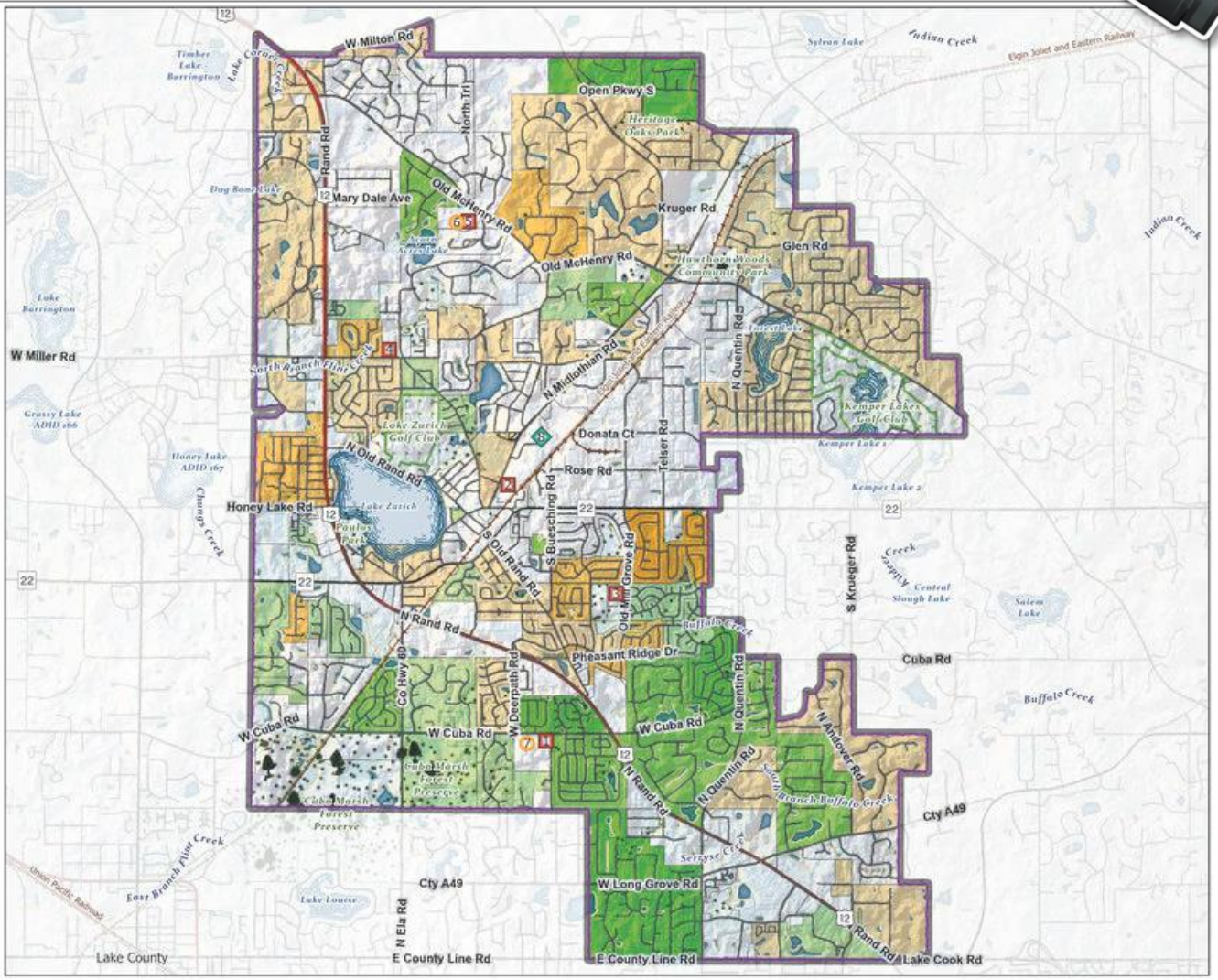
Middle Schools

6. Lake Zurich Middle School North
7. Lake Zurich Middle School South

High Schools

8. Lake Zurich High

District Boundary
County Boundary
ES
Cemetery
MS
Golf Course
HS
Open Space/Park/Recreation
Decrease in Students
Increase in Students



Count Change is the number of students in 2019/20 subtracted by the number in 2018/19 in each Planning Area.

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Map data provided by Lake Zurich Community Unit School District 95, Lake County, Villages of Deer Park, Hawthorn Woods, Kildeer, Lake Zurich, and North Barrington,USGS, IDOT, and ESRI. Map created June 2020.

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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
- 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

School District 95

Student "Heat" Density in 2015/16 in Grades K-12

Elementary Schools

1. Isaac Fox Elementary
2. May Whitney Elementary
3. Sarah Adams Elementary
4. Seth Paine Elementary
5. Spencer Loomis Elementary

Middle Schools

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7. Lake Zurich Middle School South

High Schools

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District Boundary
County Boundary
ES
Cemetery
MS
Golf Course
HS
Open Space/Park/Recreation

Student Density

Low Density

High Density

Student "Heat" is determined by calculating the number of students that are clustered within close proximity of one another. Overlapping of points (2 or more students residing at the same address) are handled using a weighting of coincident points. This weighted data is calculated by relational distance, which helps to visually depict the areas of high student clustering.

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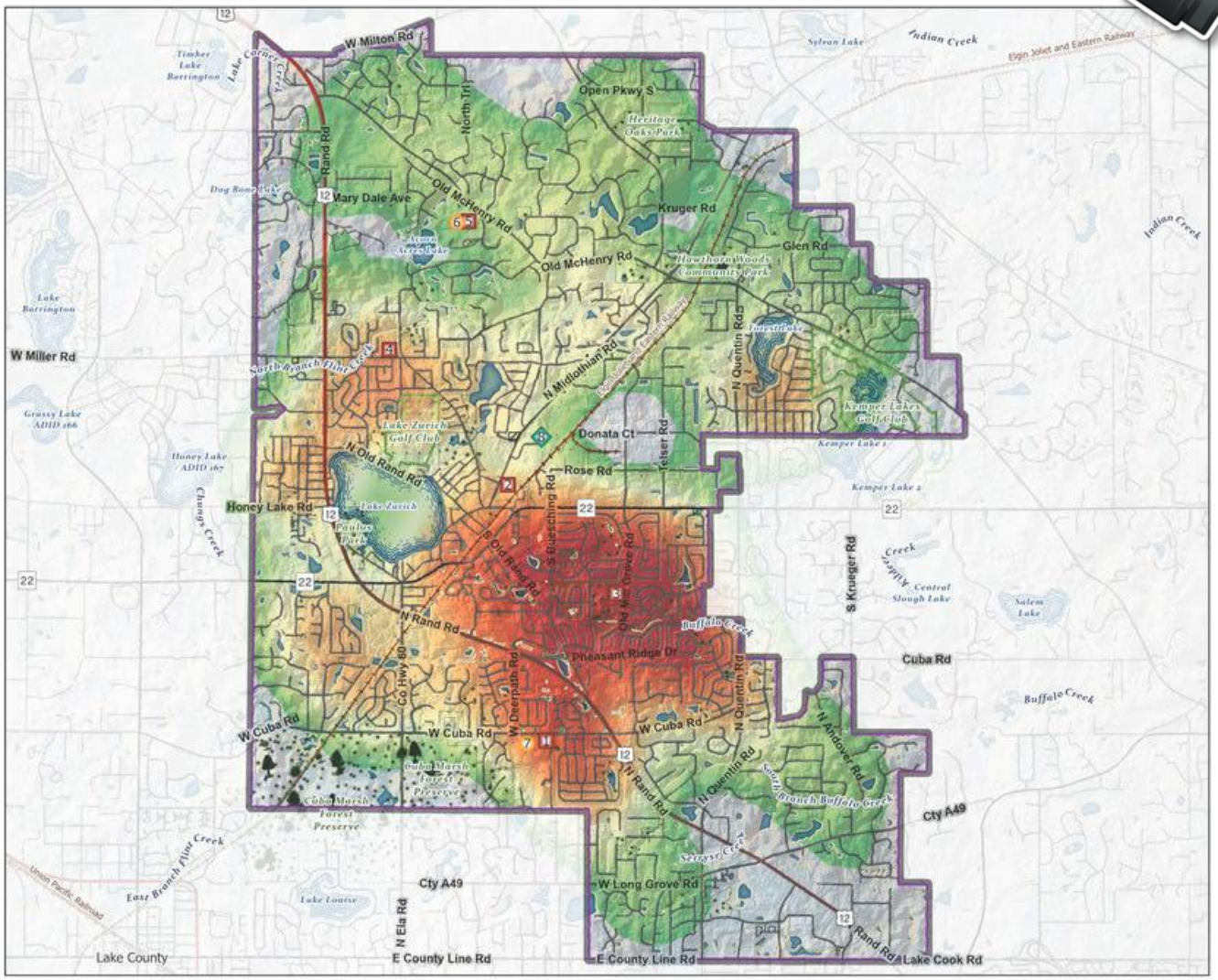
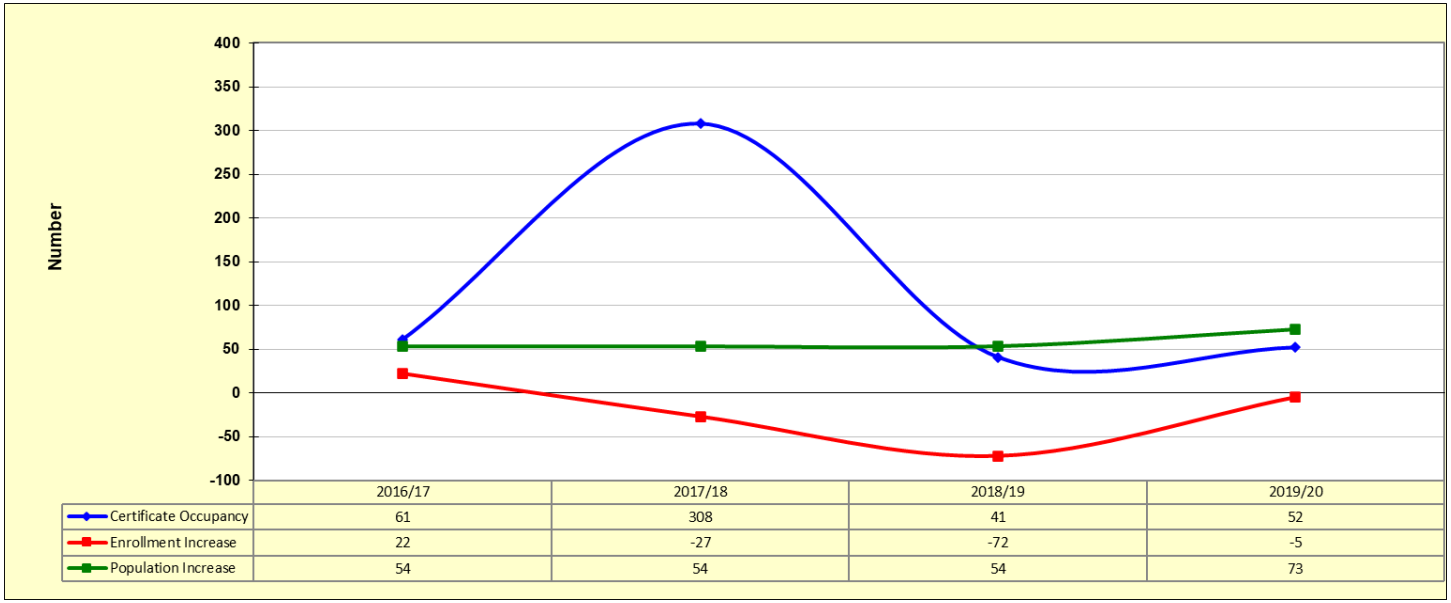


Enrollment Observations

The following are some general enrollment observations;

- The district has maintained contiguous boundaries for elementary schools
- RSP & Associates monitors over 200 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.
- Enrollment has changes from grade to grade each year at each level
  - Full Day Kindergarten began in the 2017/18 school year
  - Large increases happen from Kindergarten to 1st grade
  - Large decreases happen from 5thto 6th grade
- Smaller elementary school grades will result in smaller Middle school grades
- The highest student density in the district is in the central portion of the district, specifically between Isaac Fox Elementary and Sarah Adams Elementary
- Out-of-District students in grades K-12 have consistently been minimal

Population, Development, Enrollment



	2016/17	2017/18	2018/19	2019/20
Certificate Occupancy	61	308	41	52
Enrollment Increase	22	-27	-72	-5
Population Increase	54	54	54	73

Benchmark data to determine if there is a correlation between:

- Population change
- Building activity
- School enrollment

Source: Lake County, Census Data, Lake Zurich Community School District 95, and RSP SFM & Demographic Models

Graphic Explanation

- Census data indicates an increasing population (Range: 50 to 75 people, Census estimates annual 0.03% increase)
- Building trend indicates there has been new residential activity (4-Year Average 116 units a year)
- Student Enrollment growth has varied decrease the last four years (Range -75 to +25 students)
- Households moving into the district do not have the typical household demographics resulting in cohort changes that are very dynamic – new building and student change have minimal statistical correlation
- The spike of units built in 2016 and 2017 is related to the multi-family units that came online
- Older areas of the community have the propensity for demographic trend change if they remain affordable

Student Yield Rate (SF)

Single Family (SF)

Schools	Year					
	2015	2016	2017	2018	2019	Avg
Isaac Fox Elementary	0.21	0.22	0.25	0.25	0.24	0.23
May Whitney Elementary	0.24	0.23	0.23	0.23	0.24	0.23
Sarah Adams Elementary	0.22	0.22	0.22	0.21	0.21	0.22
Seth Paine Elementary	0.19	0.2	0.19	0.19	0.19	0.19
Spencer Loomis Elementary	0.2	0.21	0.22	0.21	0.22	0.21
District (K-5):	0.21	0.21	0.22	0.22	0.22	0.22

Source: Lake Zurich Community Unit School District 95

Single Family Table Explanation

- ❑ Depicts elementary (K-5) enrollment and the corresponding yield rate for 100 housing units
- ❑ Single-Family residential average (.22) has stayed consistent over the past five years
- ❑ Adding newer housing inventory typically can increase the yield rate
  - The Heat map assists in understanding how that has changed over time (Page 31)
  - Residential unit activity provides the basis for timeline and where units likely are built (Page 42)
  - From 2010 to 2019 there were approximately 294 single family units added to the building inventory

DISCLAIMER: 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 Count (Statistical 99% or greater match by grade)

Student Yield Rate (MF)

Multi-Family (MF)

Schools	Year					
	2015	2016	2017	2018	2019	Avg
Isaac Fox Elementary	0.18	0.17	0.06	0.07	0.08	0.11
May Whitney Elementary	0.14	0.14	0.15	0.16	0.14	0.15
Sarah Adams Elementary	0.49	0.49	0.4	0.39	0.37	0.43
Seth Paine Elementary	0.13	0.14	0.13	0.11	0.1	0.12
Spencer Loomis Elementary	0.22	0.15	0.22	0.22	0.18	0.2
District (K-5):	0.17	0.16	0.14	0.15	0.13	0.15

Source: Lake Zurich Community Unit School District 95

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 (.22) has a higher student yield rate when compared to Multi-Family residential (.15) within the district.
- Multi-Family residential average (.15) has stayed consistent over the past five years
- Adding newer housing inventory typically can increase the yield rate
  - The Heat map assists in understanding how that has changed over time (Page 31)
  - Residential unit activity provides the basis for timeline and where units likely are built (Page 42)
  - From 2010 to 2019 there were approximately 338 multi-family units added to the building inventory

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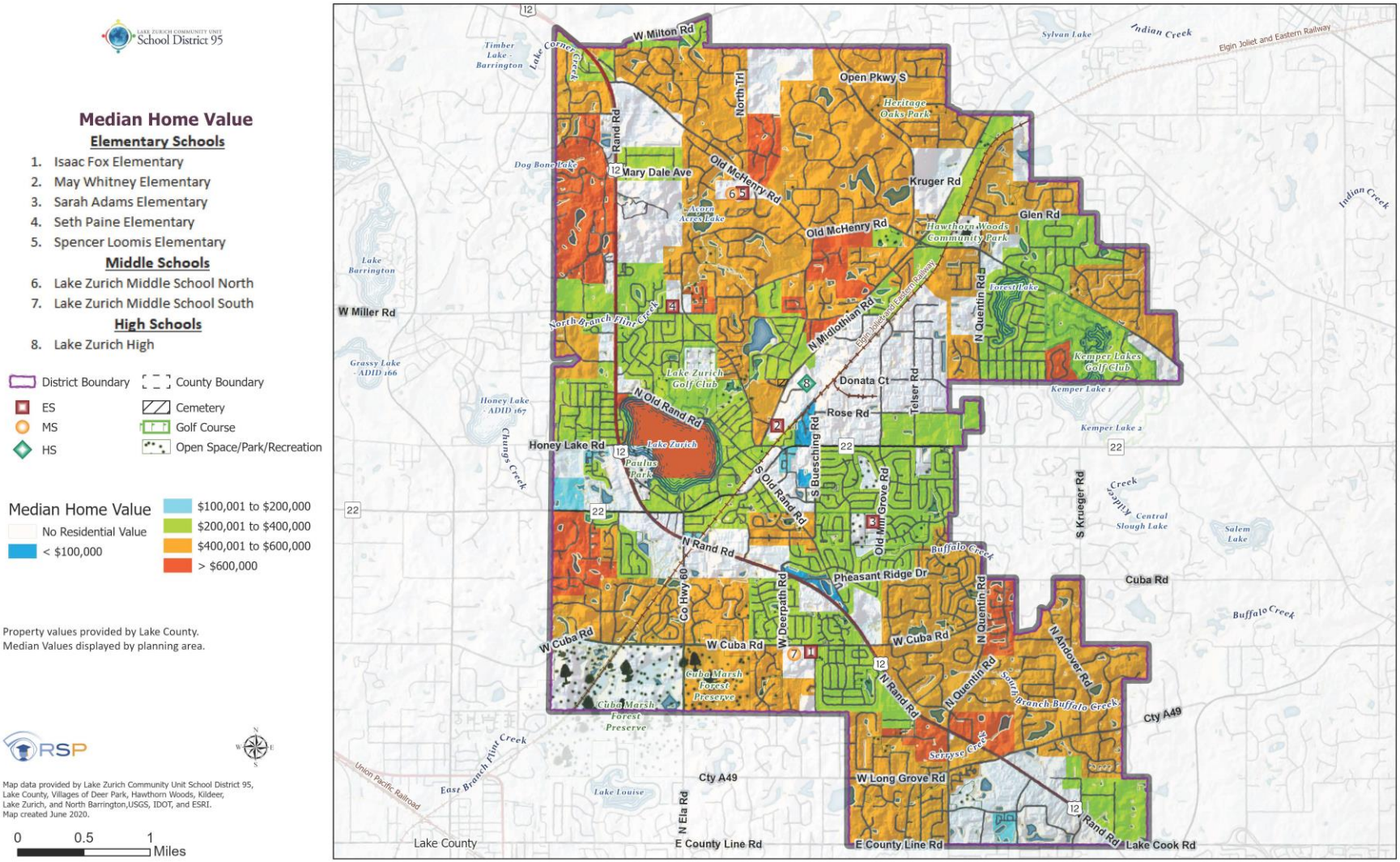
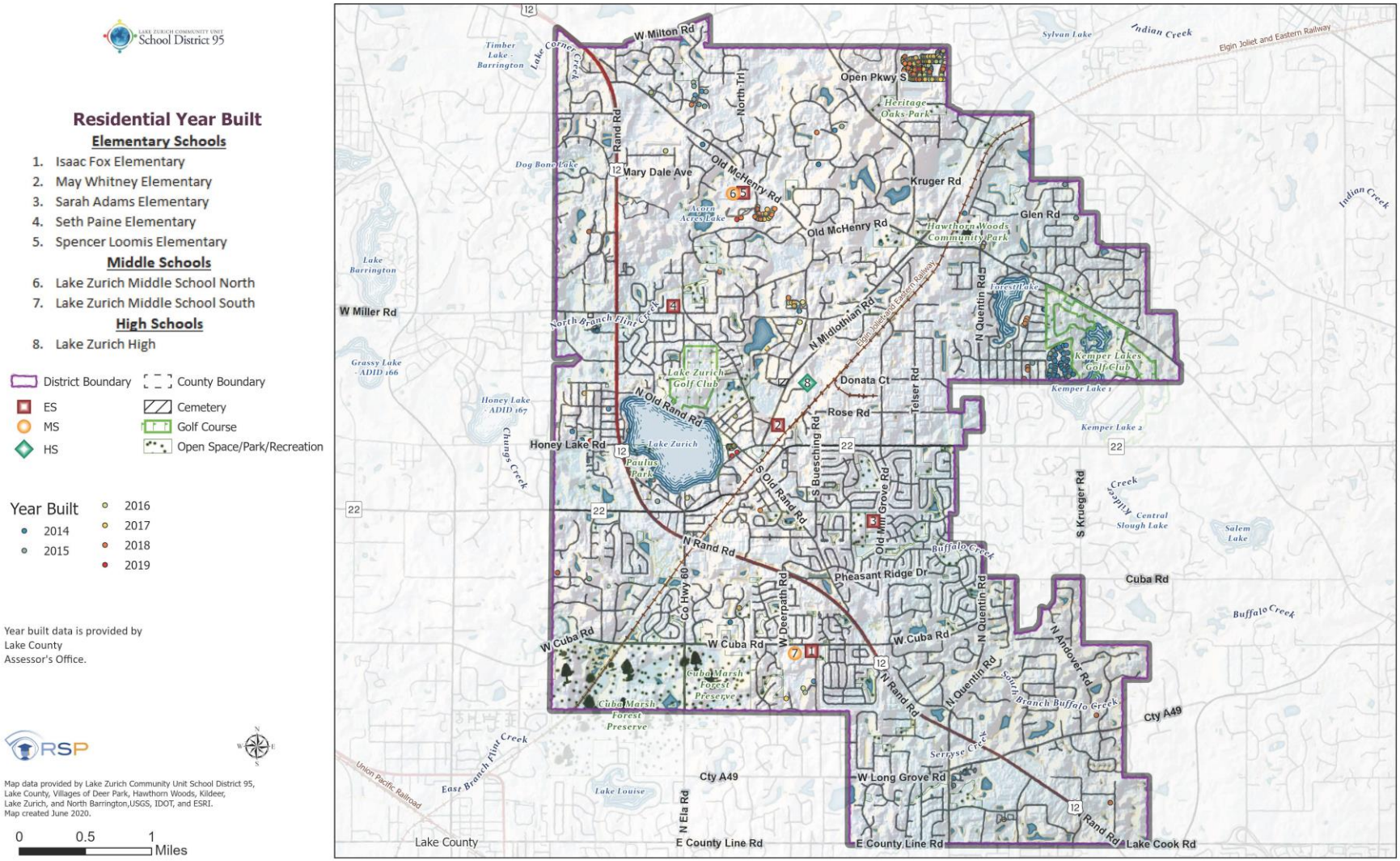
Median Home Value

- 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



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



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

Lake Zurich Community Unit School District 95

Growth Areas

Elementary Schools

1. Isaac Fox Elementary
2. May Whitney Elementary
3. Sarah Adams Elementary
4. Seth Paine Elementary
5. Spencer Loomis Elementary

Middle Schools

6. Lake Zurich Middle School North
7. Lake Zurich Middle School South

High Schools

8. Lake Zurich High

District Boundary
County Boundary
ES
Cemetery
MS
Golf Course
HS
Open Space/Park/Recreation

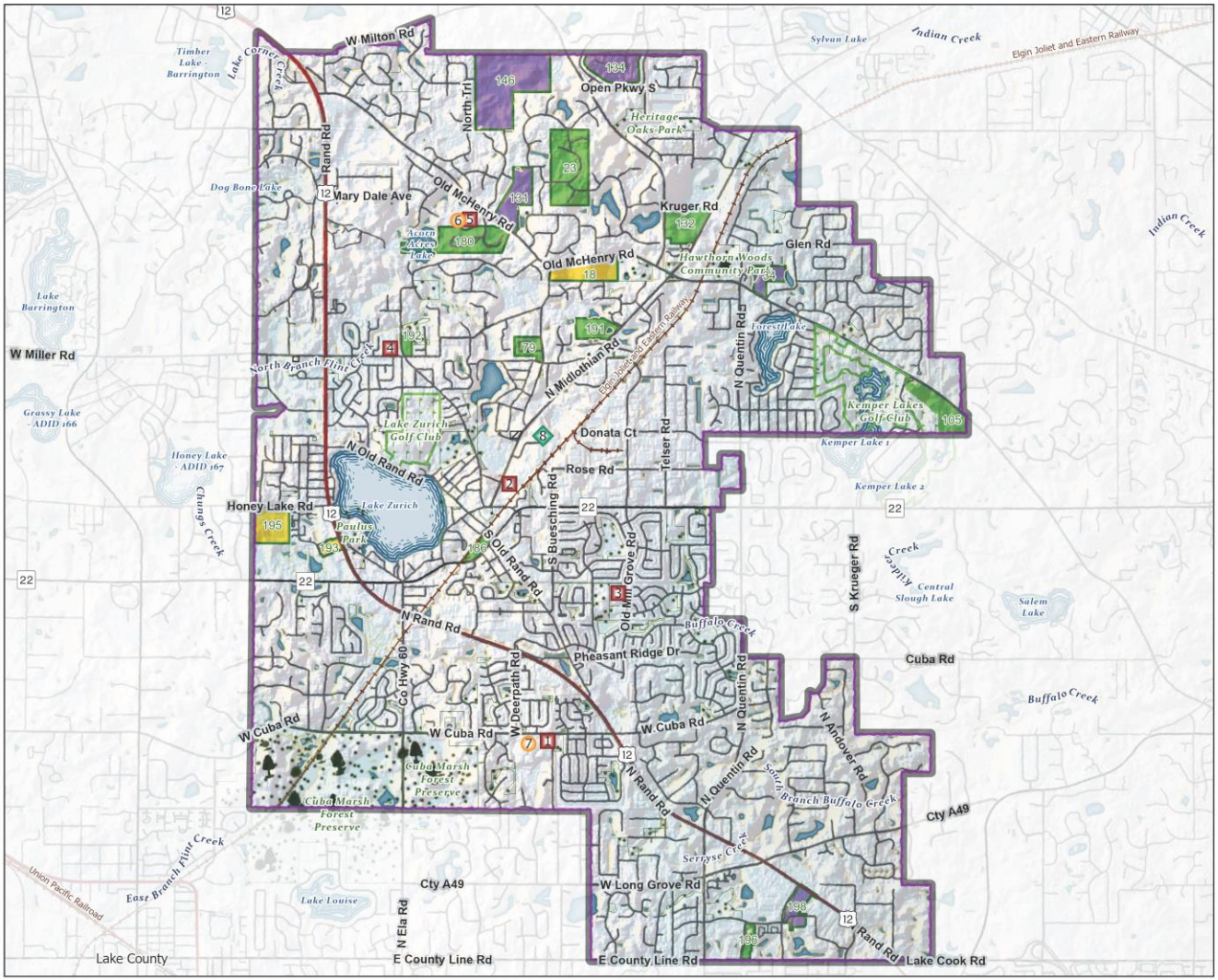
Growth Areas
Current
5 Year
10 Year

Population growth Areas are defined as areas that display a high propensity for growth; however, development is not guaranteed. Additionally, it is possible that areas not designated for growth may develop.

RSP

Map data provided by Lake Zurich Community Unit School District 95, Lake County, Villages of Deer Park, Hawthorn Woods, Kildeer, Lake Zurich, and North Barrington,USGS, IDOT, and ESRI.
Map created June 2020.

0 0.5 1 Miles

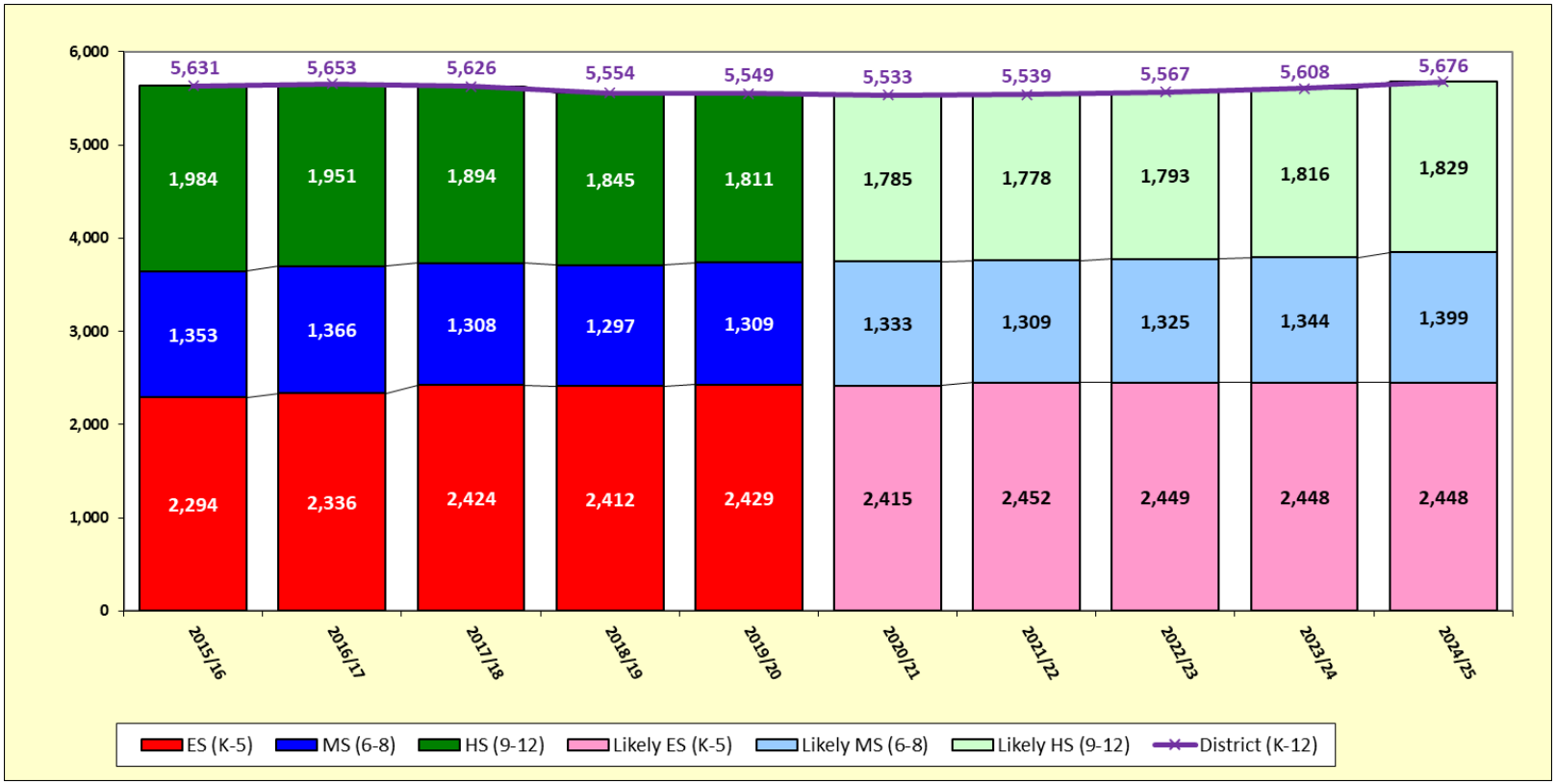


Development Observations

The following are some general development observations:

- Building activity will likely slow for the next year as a result of COVID-19, infrastructure lawsuits, limitation and/or timing of infrastructure coming online
- Single-Family residential has a slightly higher propensity to have school aged students, yield rates of this development type are much higher than that of Multi-Family
- This region is known as having larger lots and with most of the district built-out the demographic shift will need to be monitored to ensure the area is "Regreening"
- Affordable housing the key to the future of the district, it is becoming more challenging for builders to construct similar type of housing products that will meet household incomes
- The price of homes has an influence on the student change throughout all grade levels
- Over the next three years building permit activity will be connected to potentially smaller lot single-family residential areas coming online
- Tracking the types of infill development is important to understand the yield rate of students for every part of the community – there are varying yield rates with all developments – and the attraction of people choosing to move with a home/work environment is a unique situation
- 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

Past, Current, Future Enrollment



Source: Lake Zurich Community Unit School District 95 and RSP SFM & Demographic Models

Enrollment Future Described:

- Enrollment Change – Overall enrollment decrease forecasted to increase to 5,676 students by 2024/25
- The impact COVID-19 may have on the economy, demographics, and housing starts must be monitored
- District increases by just nearly 200 students (+3.3%) (Annual Range: +0.1% to +1.2% a year)
- Elementary increases by about 40 students (+1.5%) (Annual Range: -0.1% to +1.5% a year)
- Middle School increases by about 100 students (+8.0%) (Annual Range: -1.8% to +4.1% a year)
- High School increase by just over 40 students (+2.4%) (Annual Range: -0.4% to +1.3% a year)

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Projection Notes

Projections Clarification:

- 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 and includes Intra-student choice)
  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 two ways:
  1. Reside (Based on where a student Resides in relation to the attendance area: Includes Open Enrollment)
  2. Attend (Based on where the student may likely attend – Includes Intra-student choice)
- Capacity
  - Capacity is based on general education classroom sections (it is not the maximum capacity of the building).
- Other Items
  - Enrollment Grade Configuration in Student Forecast Model (K-5, 6-8, 9-12)
  - Open enrollment trends are assumed to follow district policy and will continue like those trends during the projection time frame
  - Integrated potential outcomes as a result of COVID-19 that relate to a slowdown in new housing starts and challenges with the economy as it adapts to the "New Normal"
  - New attendance areas will not include Pre-Kindergarten because the Pre-Kindergarten student forecast is not associated to planning areas like the K-12 enrollment

Elementary Projections (Building)

School	Student Location	Past School Enrollment				Enrollment Projections				
		2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Isaac Fox Elementary	Reside/Attend	504	569	577	570					
K to 5th	Reside	507	577	584	578	572	590	602	577	586
528	Attend	510	576	579	572	566	584	596	571	580
May Whitney Elementary	Reside/Attend	486	482	498	504					
K to 5th	Reside	497	497	509	515	508	522	507	519	496
660	Attend	492	492	513	512	509	523	508	520	497
Sarah Adams Elementary	Reside/Attend	362	360	352	352					
K to 5th	Reside	375	372	361	365	366	369	376	377	377
396	Attend	372	368	362	360	364	367	374	375	375
Seth Paine Elementary	Reside/Attend	392	378	371	362					
K to 5th	Reside	402	393	384	374	365	360	351	349	336
396	Attend	407	392	381	374	363	358	349	347	334
Spencer Loomis Elementary	Reside/Attend	516	560	547	569					
K to 5th	Reside	531	572	560	581	604	611	613	626	653
503	Attend	531	583	563	595	613	620	622	635	662
ELEMENTARY TOTAL	Reside/Attend	2,260	2,349	2,345	2,357					
K to 5th	Reside	2,312	2,411	2,398	2,413	2,415	2,452	2,449	2,448	2,448
2,483	Attend	2,312	2,411	2,398	2,413	2,415	2,452	2,449	2,448	2,448

Source: RSP & Associates, LLC - July 2020 (Capacity Update August 2020)

Exceed Target Capacity

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Secondary Projections (Building)

School	Student Location	Past School Enrollment				Enrollment Projections				
		2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Lake Zurich Middle School North	Reside/Attend	709	707	698	728					
6th to 8th	Reside	716	716	710	737	740	723	730	734	775
780	Attend	716	714	699	730	731	714	721	725	766
Lake Zurich Middle School South	Reside/Attend	634	574	577	556					
6th to 8th	Reside	641	581	578	558	593	586	595	610	624
650	Attend	641	583	589	565	602	595	604	619	633
Lake Zurich High School	Reside/Attend	1,924	1,869	1,819	1,787					
9th to 12th	Reside	1,924	1,869	1,819	1,787	1,785	1,778	1,793	1,816	1,829
0	Attend	1,924	1,869	1,819	1,787	1,785	1,778	1,793	1,816	1,829
ELEMENTARY TOTAL	Reside/Attend	2,260	2,349	2,345	2,357					
K to 5th	Reside	2,312	2,411	2,398	2,413	2,415	2,452	2,449	2,448	2,448
2,483	Attend	2,312	2,411	2,398	2,413	2,415	2,452	2,449	2,448	2,448
MIDDLE TOTAL	Reside/Attend	1,343	1,281	1,275	1,284					
6th to 8th	Reside	1,357	1,297	1,288	1,295	1,333	1,309	1,325	1,344	1,399
1,430	Attend	1,357	1,297	1,288	1,295	1,333	1,309	1,325	1,344	1,399
HIGH TOTAL	Reside/Attend	1,924	1,869	1,819	1,787					
9th to 12th	Reside	1,924	1,869	1,819	1,787	1,785	1,778	1,793	1,816	1,829
TBD	Attend	1,924	1,869	1,819	1,787	1,785	1,778	1,793	1,816	1,829
DISTRICT TOTALS	Reside/Attend	5,527	5,499	5,439	5,428					
K to 12th	Reside	5,593	5,577	5,505	5,495	5,533	5,539	5,567	5,608	5,676
TBD	Attend	5,593	5,577	5,505	5,495	5,533	5,539	5,567	5,608	5,676

Source: RSP & Associates, LLC - July 2020 (Capacity Update August 2020)

Exceed Target Capacity

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Activity: Enrollment Analysis Discussion

This purpose of this activity get feedback from the Committee on the Enrollment Analysis provided as homework

Questions for Discussion:

- What comments or questions do you have about the RSP Enrollment Analysis and Projections?

Part Four:
Boundary Discussion

Concept Development

RSP Concept Creation:

- Utilizes numerous data sets and RSP analysis
- Integrates the following into the concepts:
  - BOE Prioritized Boundary Criteria
  - Guiding Principles
  - ACE
- Current Attendance Area Challenges:
  - Spencer Loomis Elementary too many students
  - Isaac Fox Elementary too many students
  - May Whitney opens in the 21/22 school year
  - Limited district-wide elementary capacity
  - Split middle school attendance area because different capacity for each of those two schools

Concept Goal:

- A conceptual ***STARTING POINT*** for Committee discussion
- Evaluation of the concept must follow the BOE prioritized Boundary Criteria, Guiding Principles and ACE with community expertise of the area

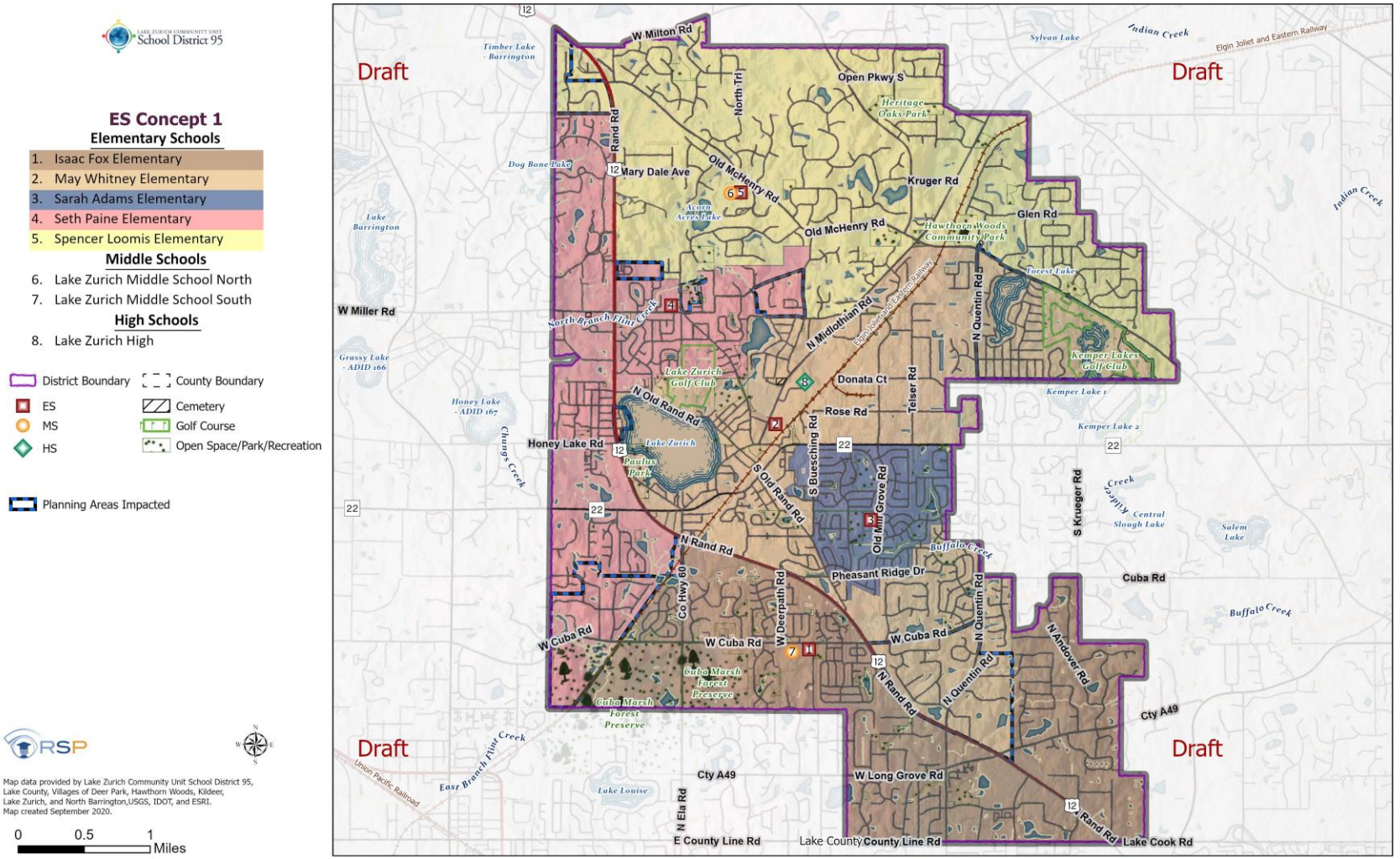
Concept 1

Concept 1 Notes:

- Created a more neighborhood centric elementary attendance boundary
- Help alleviate capacity at Isaac Fox and Spencer Loomis Elementary schools
- Increased utilization at May Whitney Elementary
- Minimized crossing highways where possible
- Continue with the split ES to MS feeder
  - May Whitney Elementary split
- Better balance building utilization at the Middle Schools

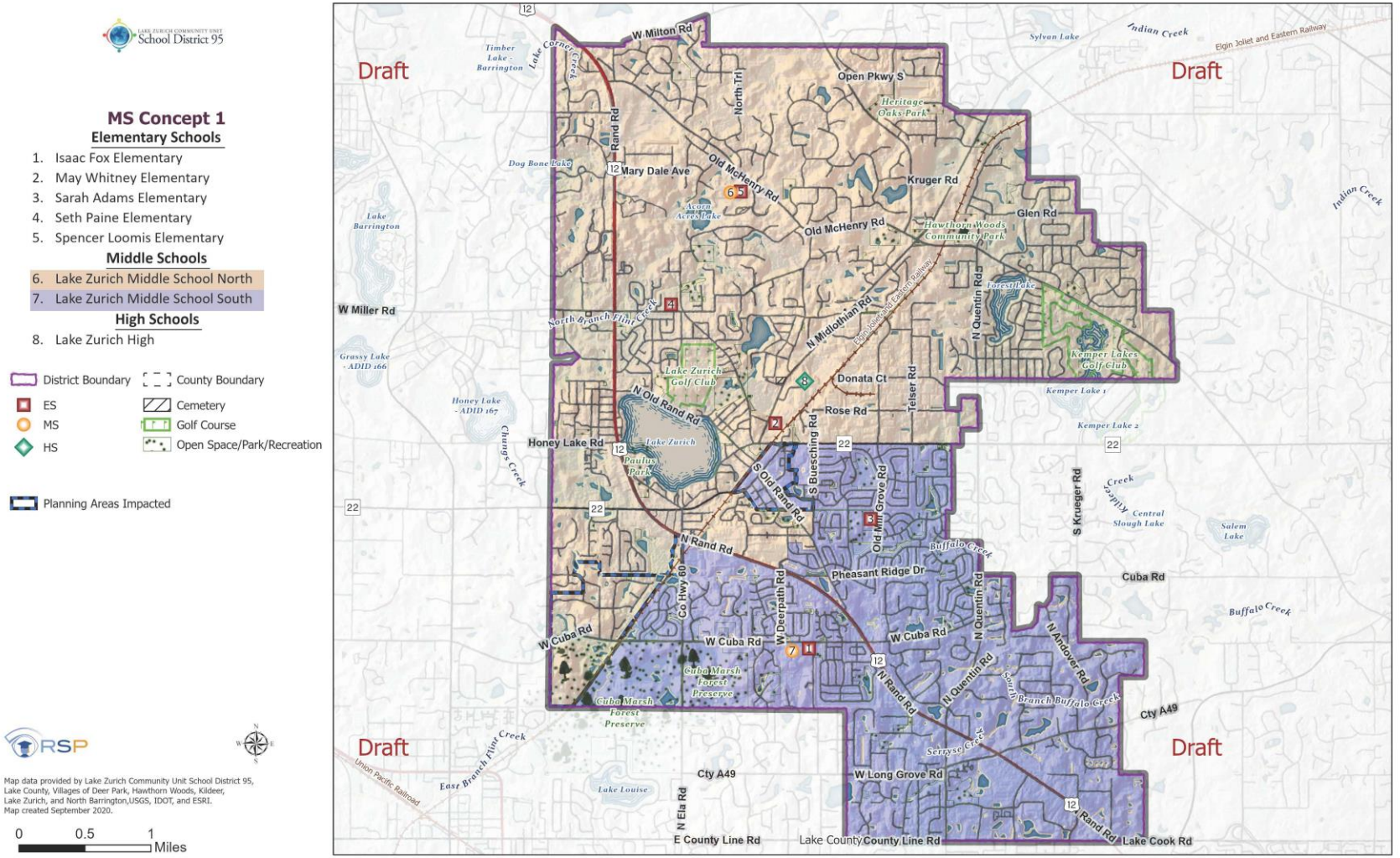
Concept 1 (ES Map)

- The Elementary Concept 1 attendance boundaries are the solid color blocks
- The areas impacted by the concept are highlighted as dotted blue lines.



Concept 1 (MS Map)

- The Middle Concept 1 attendance boundaries are the solid color blocks
- The areas impacted by the concept are highlighted as dotted blue lines.



Concept #1 (Table)

School	Projections					Capacity					
	2020/21	2021/22	2022/23	2023/24	2024/25	Target	2020/21	2021/22	2022/23	2023/24	2024/25
1. Isaac Fox Elementary	572	528	539	517	525	528	108.3%	100.0%	102.1%	97.9%	99.4%
2. May Whitney Elementary	508	701	678	691	667	660	77.0%	106.2%	102.7%	104.7%	101.1%
3. Sarah Adams Elementary	366	369	376	377	377	396	92.4%	93.2%	94.9%	95.2%	95.2%
4. Seth Paine Elementary	365	404	401	403	390	396	92.2%	102.0%	101.3%	101.8%	98.5%
5. Spencer Loomis Elementary	604	453	455	460	488	503	120.1%	90.1%	90.5%	91.5%	97.0%
Total	2,415	2,455	2,449	2,448	2,447	2,483	97.3%	98.9%	98.6%	98.6%	98.6%

Source: RSP & Associates 2019/20 Projection Model and Lake Zurich Community Unit School District 95

School	Projections					Capacity					
	2020/21	2021/22	2022/23	2023/24	2024/25	Target	2020/21	2021/22	2022/23	2023/24	2024/25
6. Lake Zurich North Middle	740	713	716	723	758	780	94.9%	91.4%	91.8%	92.7%	97.2%
7. Lake Zurich South Middle	593	596	609	620	640	650	91.2%	91.7%	93.7%	95.4%	98.5%
Total	1,333	1,309	1,325	1,343	1,398	1,430	93.2%	91.5%	92.7%	93.9%	97.8%

Source: RSP & Associates 2019/20 Projection Model and Lake Zurich Community Unit School District 95

Concept Notes:

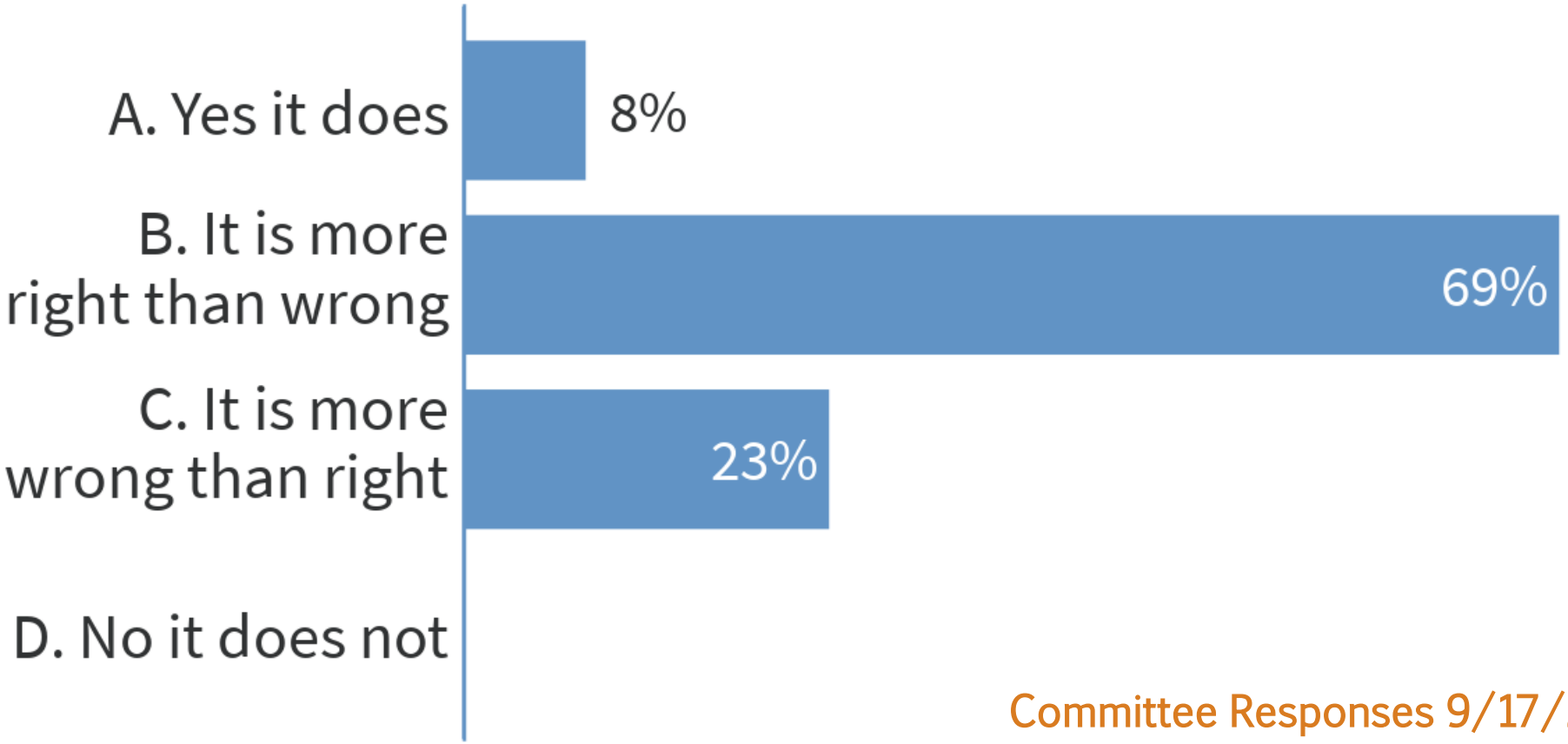
- Projections for each grade have been rounded at the school level
- Projections before 2021/22 are Current attendance areas
- Projections from 2021/22, 2022/23,2023/24, and 2024/25 are Proposed Concept attendance areas
- Created a more neighborhood centric elementary attendance boundaries
- Alleviates some of the capacity challenges at Isaac Fox and Spencer Loomis Elementary schools
- Increases utilization at May Whitney Elementary
- Continue to have a split feeder (May Whitney Elementary split)
- Better balanced building utilization at the Middle Schools

Concept 1 Comments

- Seems to create more issues with capacity than currently at MW & SP
- Adjusted for one and made bigger issues for others
- Seems to be more balanced
- Capacity and enrollment very close to difficult to achieve desired results
- Areas on one side of tracks challenges with transportation
- MW is perfect 5-sections building because built that way; should be utilized as such
- Positives for transportation; not fixing utilization problem
- Archiving close to 100% over time in MW & SL; consideration for additional programs
- Some kids are further away in MS than currently
- Concept 1 MS continue split feeder
- MW has SPED population that attends there
- Space benefits to SL & MS North sharing space – allows SL to take MS classrooms
- Does not change Sarah Adams – there is some available capacity for additional students
- Meet the desired Board boundary criteria
- Needs to address shared utilization and use MW appropriately

Committee Responses 9/17/20

Concept One: This concept aligns with the BOE Guiding Principles, Boundary Criteria and ACE.



Committee Responses 9/17/20

Concept 2

Concept 2 Notes:

- Created a better utilization of the elementary boundaries
- Alleviates some capacity at Isaac Fox and Spencer Loomis Elementary schools
- Increased utilization at May Whitney Elementary
- Isaac Fox Elementary follows more of the Highway and major roads
- May Whitney Elementary expand out to the NE (East of N Quentin Rd and North of Old McHenry Rd) and expand out to the NW (North of Lake Zurich)
- Created Middle School boundaries that generally follow Hwy 22, Railroad tracks, and County Hwy 60
- No elementary schools are over capacity in 2024/25
- Tried to avoid boundaries crossing highways when possible
- Continue to have a split Feeder (May Whitney Elementary)
- Likes that this uses the train as boundary in SW corner

Concept 2 (ES Map)

- The Elementary Concept 2 attendance boundaries are the solid color blocks
- The areas impacted by the concept are highlighted as dotted blue lines.

School District 95

ES Concept 2

Elementary Schools

1. Isaac Fox Elementary
2. May Whitney Elementary
3. Sarah Adams Elementary
4. Seth Paine Elementary
5. Spencer Loomis Elementary

Middle Schools

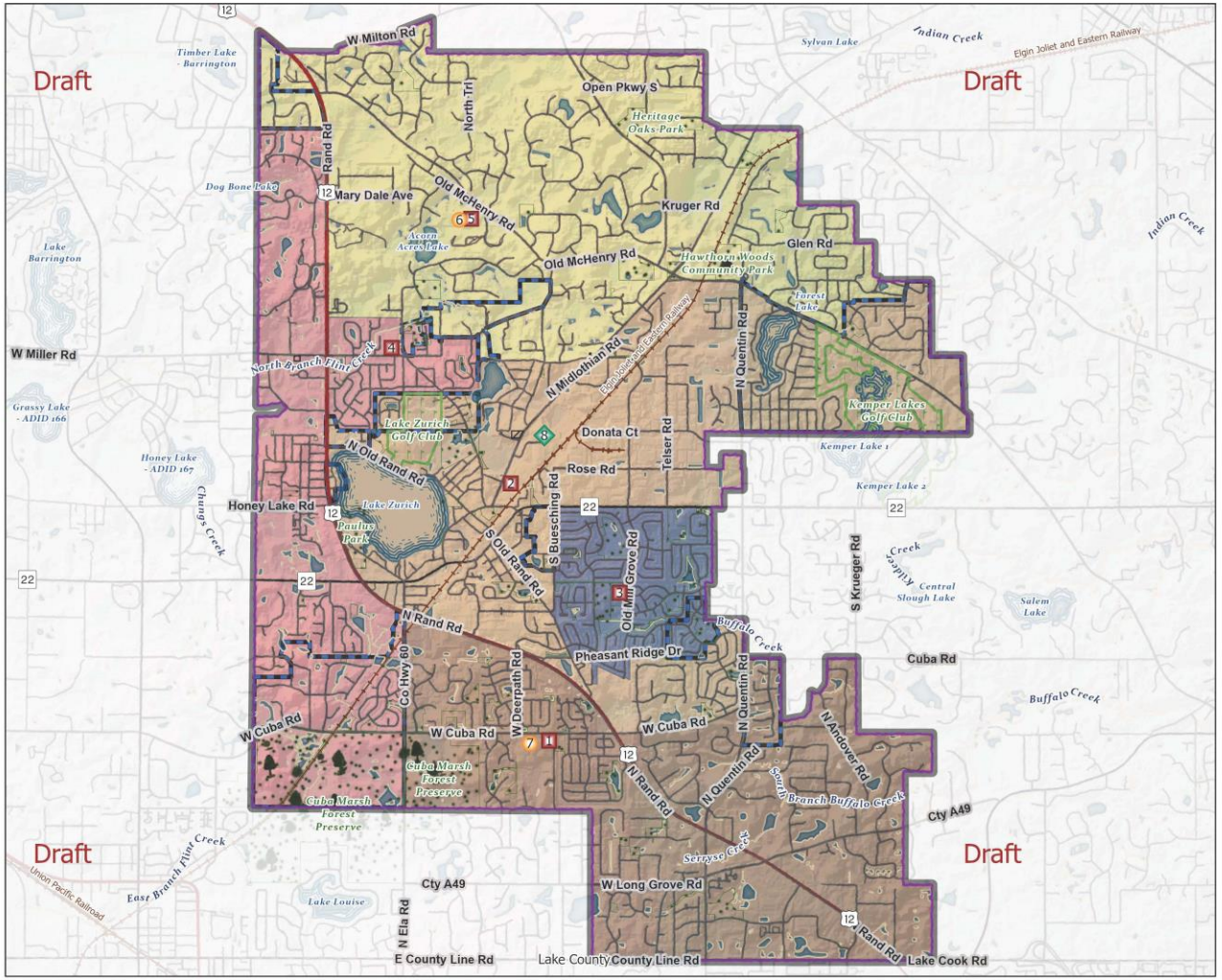
6. Lake Zurich Middle School North
7. Lake Zurich Middle School South

High Schools

8. Lake Zurich High

District Boundary
County Boundary
ES
Cemetery
MS
Golf Course
HS
Open Space/Park/Recreation

Planning Areas Impacted



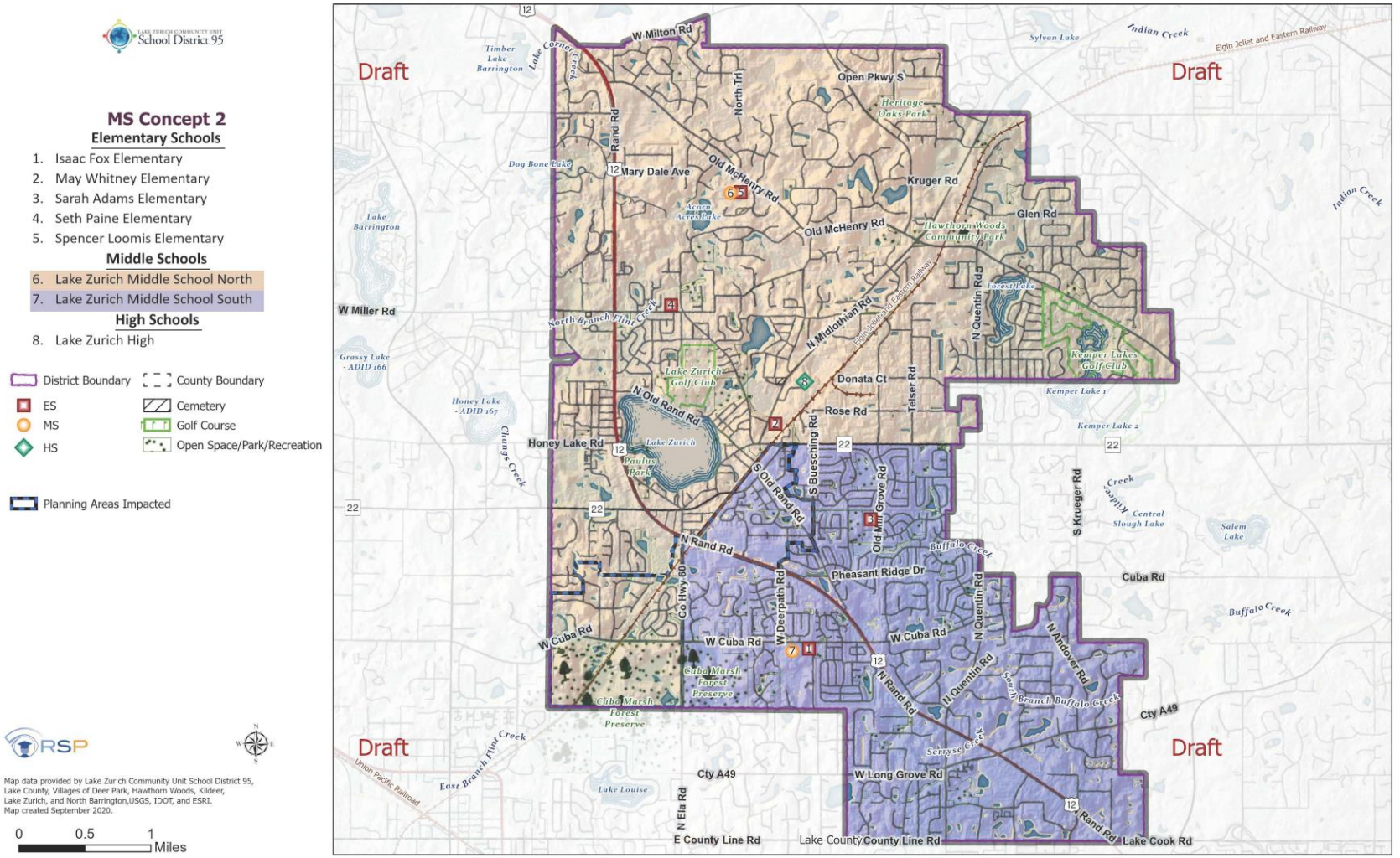
RSP

Map data provided by Lake Zurich Community Unit School District 95, Lake County, Villages of Deer Park, Hawthorn Woods, Kildeer, Lake Zurich, and North Barrington,USGS, IDOT, and ESRI. Map created September 2020.

0 0.5 1 Miles

Concept 2 (MS Map)

- The Middle Concept 2 attendance boundaries are the solid color blocks
- The areas impacted by the concept are highlighted as dotted blue lines.



Concept 2 (Table)

School	Projections					Capacity					
	2020/21	2021/22	2022/23	2023/24	2024/25	Target	2020/21	2021/22	2022/23	2023/24	2024/25
1. Isaac Fox Elementary	572	529	536	515	516	528	108.3%	100.2%	101.5%	97.5%	97.7%
2. May Whitney Elementary	508	681	656	673	660	660	77.0%	103.2%	99.4%	102.0%	100.0%
3. Sarah Adams Elementary	366	385	392	392	390	396	92.4%	97.2%	99.0%	99.0%	98.5%
4. Seth Paine Elementary	365	407	406	405	395	396	92.2%	102.8%	102.5%	102.3%	99.7%
5. Spencer Loomis Elementary	604	455	458	464	484	503	120.1%	90.5%	91.1%	92.2%	96.2%
Total	2,415	2,457	2,448	2,449	2,445	2,483	97.3%	99.0%	98.6%	98.6%	98.5%

Source: RSP & Associates 2019/20 Projection Model and Lake Zurich Community Unit School District 95

School	Projections					Capacity					
	2020/21	2021/22	2022/23	2023/24	2024/25	Target	2020/21	2021/22	2022/23	2023/24	2024/25
6. Lake Zurich North Middle	740	708	714	716	746	780	94.9%	90.8%	91.5%	91.8%	95.6%
7. Lake Zurich South Middle	593	600	611	628	652	650	91.2%	92.3%	94.0%	96.6%	100.3%
Total	1,333	1,308	1,325	1,344	1,398	1,430	93.2%	91.5%	92.7%	94.0%	97.8%

Source: RSP & Associates 2019/20 Projection Model and Lake Zurich Community Unit School District 95

Concept Notes:

- Projections for each grade have been rounded at the school level
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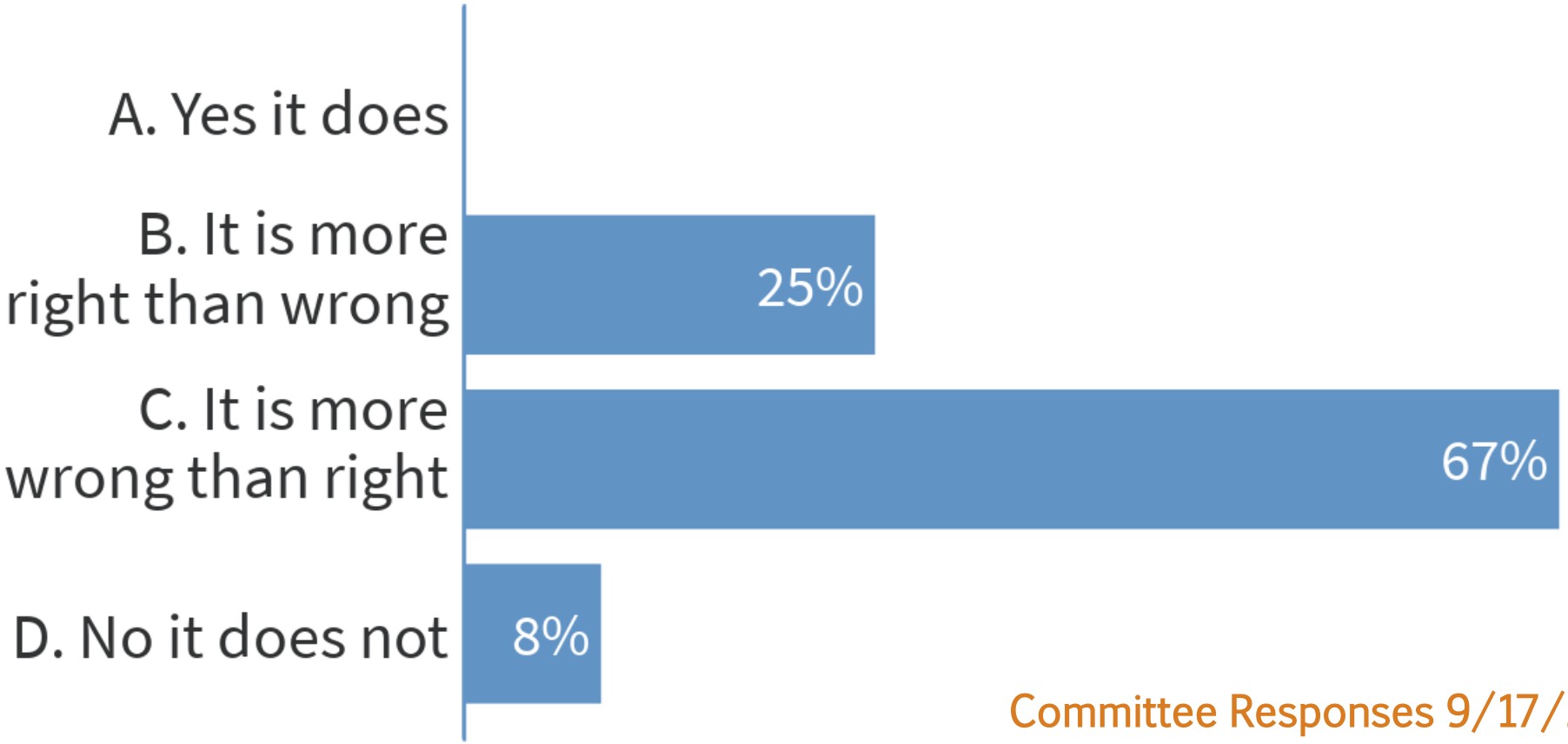
- Created a better utilization of the elementary boundaries
- Alleviated some capacity at Isaac Fox and Spencer Loomis Elementary schools
- Increased utilization at May Whitney Elementary
- No elementary schools are over capacity in 2024/25
- Continue to have a split feeder (May Whitney Elementary split)
- Created Middle School attendance areas that generally follow Hwy 22, Railroad tracks, and County Hwy 60
- Similar building utilization at the middle schools

Concept 2 Comments

- SE corner west of RR tracks have issues with train crossings
- Demographic change moving Liberty Lake Apartments may change the school demographics too much
- Try to split up more the central highest density areas
- Some students live closer to MS South now go to MS North
- More disruption to ES population
- Appears that MS capacity is somewhat uneven creating challenges
- Change in South, why kids move out of MW into SA
- Likes that all ES under 100% in year 5 and MS is barely over capacity
- Southern par of RT. 12 creates long bus rides, travel time longer than distance
- What input moving SW corner to MS South, take people to 22 HIWY
- Neighborhoods changes more difficult to follow
- Is there a way to pull from SP into SL?
- Hunters Creek/Chestnut Corners not seen as two distinct neighborhoods
- Both achieve 1st prioritized criteria of building utilization and keeping many neighborhoods whole

Concept Two: This concept aligns with the BOE Guiding Principles, Boundary Criteria and ACE.



Committee Responses 9/17/20

Concept Comparison

Concept 1

School	Projections					Capacity					
	2020/21	2021/22	2022/23	2023/24	2024/25	Target	2020/21	2021/22	2022/23	2023/24	2024/25
1. Isaac Fox Elementary	572	528	539	517	525	528	108.3%	100.0%	102.1%	97.9%	99.4%
2. May Whitney Elementary	508	701	678	691	667	660	77.0%	106.2%	102.7%	104.7%	101.1%
3. Sarah Adams Elementary	366	369	376	377	377	396	92.4%	93.2%	94.9%	95.2%	95.2%
4. Seth Paine Elementary	365	404	401	403	390	396	92.2%	102.0%	101.3%	101.8%	98.5%
5. Spencer Loomis Elementary	604	453	455	460	488	503	120.1%	90.1%	90.5%	91.5%	97.0%
Total	2,415	2,455	2,449	2,448	2,447	2,483	97.3%	98.9%	98.6%	98.6%	98.6%

Source: RSP & Associates 2019/20 Projection Model and Lake Zurich Community Unit School District 95

School	Projections					Capacity					
	2020/21	2021/22	2022/23	2023/24	2024/25	Target	2020/21	2021/22	2022/23	2023/24	2024/25
6. Lake Zurich North Middle	740	713	716	723	758	780	94.9%	91.4%	91.8%	92.7%	97.2%
7. Lake Zurich South Middle	593	596	609	620	640	650	91.2%	91.7%	93.7%	95.4%	98.5%
Total	1,333	1,309	1,325	1,343	1,398	1,430	93.2%	91.5%	92.7%	93.9%	97.8%

Source: RSP & Associates 2019/20 Projection Model and Lake Zurich Community Unit School District 95

Concept 2

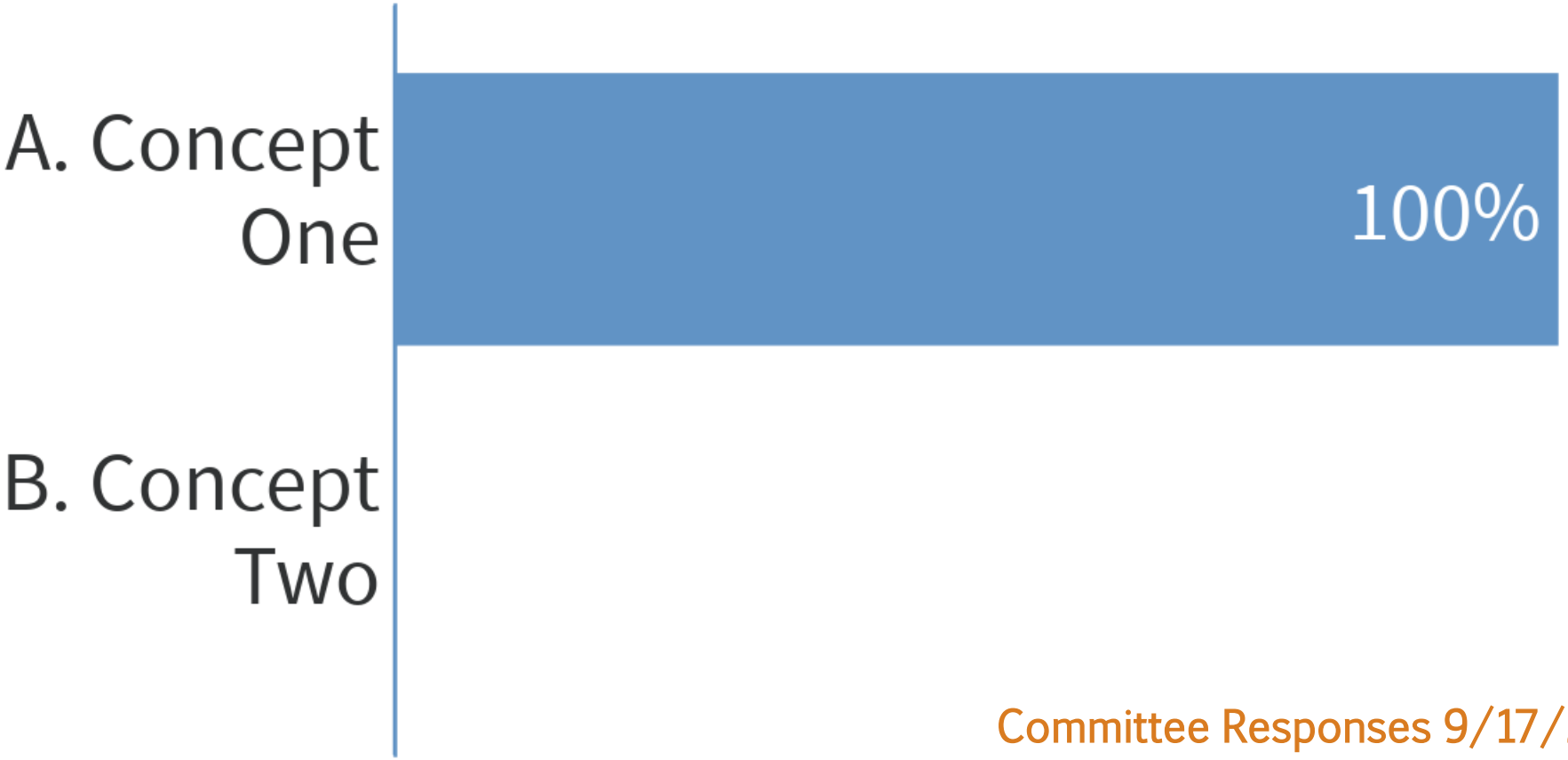
School	Projections					Capacity					
	2020/21	2021/22	2022/23	2023/24	2024/25	Target	2020/21	2021/22	2022/23	2023/24	2024/25
1. Isaac Fox Elementary	572	529	536	515	516	528	108.3%	100.2%	101.5%	97.5%	97.7%
2. May Whitney Elementary	508	681	656	673	660	660	77.0%	103.2%	99.4%	102.0%	100.0%
3. Sarah Adams Elementary	366	385	392	392	390	396	92.4%	97.2%	99.0%	99.0%	98.5%
4. Seth Paine Elementary	365	407	406	405	395	396	92.2%	102.8%	102.5%	102.3%	99.7%
5. Spencer Loomis Elementary	604	455	458	464	484	503	120.1%	90.5%	91.1%	92.2%	96.2%
Total	2,415	2,457	2,448	2,449	2,445	2,483	97.3%	99.0%	98.6%	98.6%	98.5%

Source: RSP & Associates 2019/20 Projection Model and Lake Zurich Community Unit School District 95

School	Projections					Capacity					
	2020/21	2021/22	2022/23	2023/24	2024/25	Target	2020/21	2021/22	2022/23	2023/24	2024/25
6. Lake Zurich North Middle	740	708	714	716	746	780	94.9%	90.8%	91.5%	91.8%	95.6%
7. Lake Zurich South Middle	593	600	611	628	652	650	91.2%	92.3%	94.0%	96.6%	100.3%
Total	1,333	1,308	1,325	1,344	1,398	1,430	93.2%	91.5%	92.7%	94.0%	97.8%

Source: RSP & Associates 2019/20 Projection Model and Lake Zurich Community Unit School District 95

As of today, the Concept that best aligns with the BOE Guiding Principles, Boundary Criteria and ACE is...



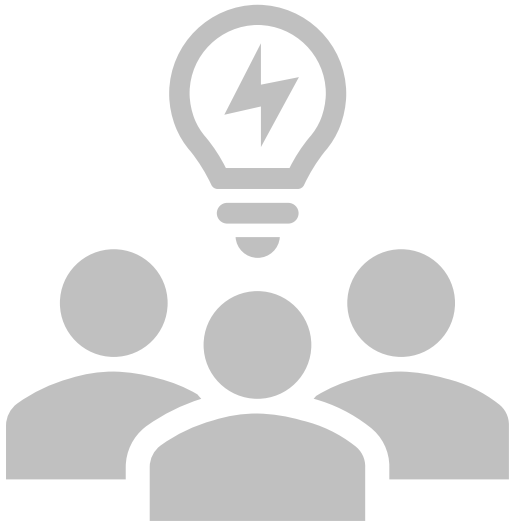
Committee Responses 9/17/20

Activity: Future Concept Discussion

This purpose of this activity get feedback from the Committee on how the two concepts presented could be adjusted for future concepts

Questions for Discussion:

- What are your thoughts and ideas to further these concepts?



Future Discussion

- Is there any building(s) which can be allowed to be closer to or exceed the target capacity?
- Student density in central part of the district impacts building capacity and options that can be created

Committee Responses 9/17/20

Part Five:
Moving Forward

Next Steps

Boundary Process:

- Next Boundary Meeting; October 1, 2020
  - Review Preliminary Boundary Options
- Public Input; October 13 & 14 2020
  - Community provides feedback

Communication

- Utilizing all media formats (newspaper, social media, district website, newsletters) to inform the community of the process and charge to the committee so they can follow what happens and prepare for the possible boundary changes that are being discussed.

Notes