

# **Hazelwood School District**

# **Demographic Redistricting Study**

**Update and Path Forward**

**Board of Education Meeting**

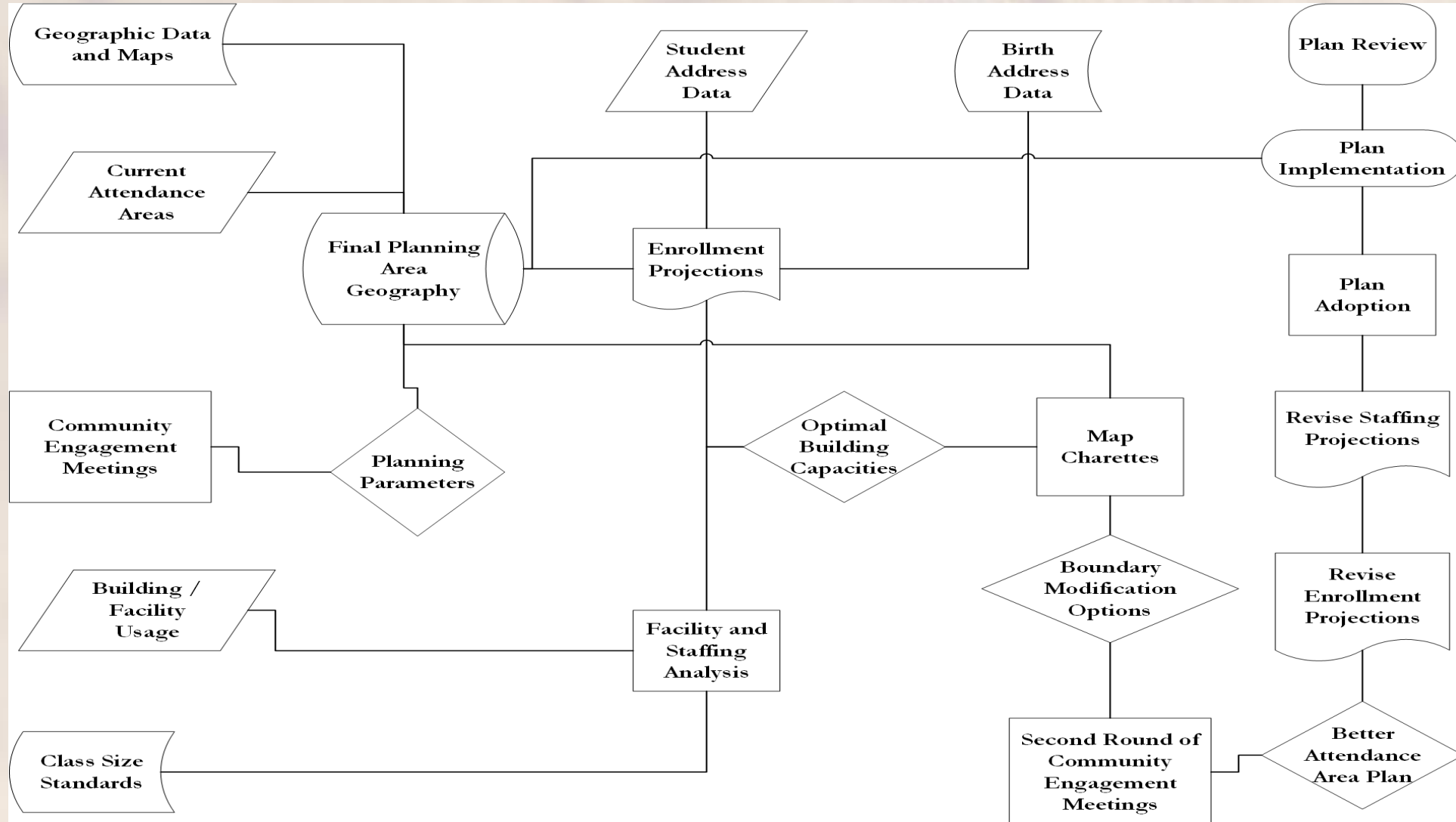
**September 25, 2018**

# OVERVIEW



- **Study Flowchart**
- **Update**
  - **Steps Completed**
  - **Including 2018 Student Records**
  - **Facility and Staffing Analysis**
- **Path Forward**
  - **Middle School Redistricting**
  - **Tweaking Elementary School Enrollments**
  - **Leaving High School Boundaries In Tact**
  - **Facility and Staffing**
  - **Second Round of Community Engagement**
  - **Development of Better Option(s)**
  - **Final Report to Board**

# STUDY FLOWCHART



# UPDATE – STEPS COMPLETED



- **Data Collection**
  - **Base Geographic Data**
    - **Parcels, Street Centerlines, District Attendance Areas**
  - **Planning Area Delineation**
    - **27 Unique Attendance Areas**
      - **Combinations of elementary and middle school areas**
    - **300 Planning Areas with Boundaries Consistent with Attendance Areas**

# UPDATE – STEPS COMPLETED



- **Joining Student Records and Birth Records to Planning Areas**
  - **Simplifying Elementary, Middle and High School Counts**
    - K-5, 6-8, and 9-12 totals
  - **Currently Working with 2017 Residential Student Counts**
    - Based on student address records as of September 30 (last Wednesday of September)
  - **Will Switch to 2018 Residential Student Counts as Data Become Available**
    - Student record extract
    - Geocoding student records and overlaying planning area boundaries
    - Resolving unmatched student records
    - Counting student records in planning areas with totals for K-5, 6-8, and 9-12

# UPDATE – STEPS COMPLETED



- **Birth Records Processing**
  - Similar geocoding (address matching) process
  - Counts of births summed for planning areas and Kindergarten cohorts
  - Used to project Kindergarten enrollments
  - For PreK classroom planning
    - Will aggregate counts for cohorts based on 2013, 2014, and 2015 births

# UPDATE – STEPS COMPLETED



- **Community Engagement**
  - **Four Engagement Session**
  - **More than 600 District Residents and Staff Participated**
  - **Information Presentation Followed by Work Activity**
  - **All Results on District's Website**

# UPDATE – STEPS COMPLETED



- **Enrollment Projections**
  - **Resident Enrollment Projections by Grade (K-12) and Unique Elementary Attendance Area**
  - **Data Organized by Planning Area (n=300) and Unique Elementary Attendance Areas (n=27)**
  - **Data Summed from Unique Attendance Areas to Reflect Elementary, Middle, and High School Totals**
  - **4 Projection Series to 2022-23**
    - **High, mid, and low projections use different weighting of cohort survival ratios over the last 5 years of enrollments by grade**
    - **Snapshot projections use only the last 2 years of enrollments to develop cohort survival ratios**



# UPDATE – STEPS COMPLETED



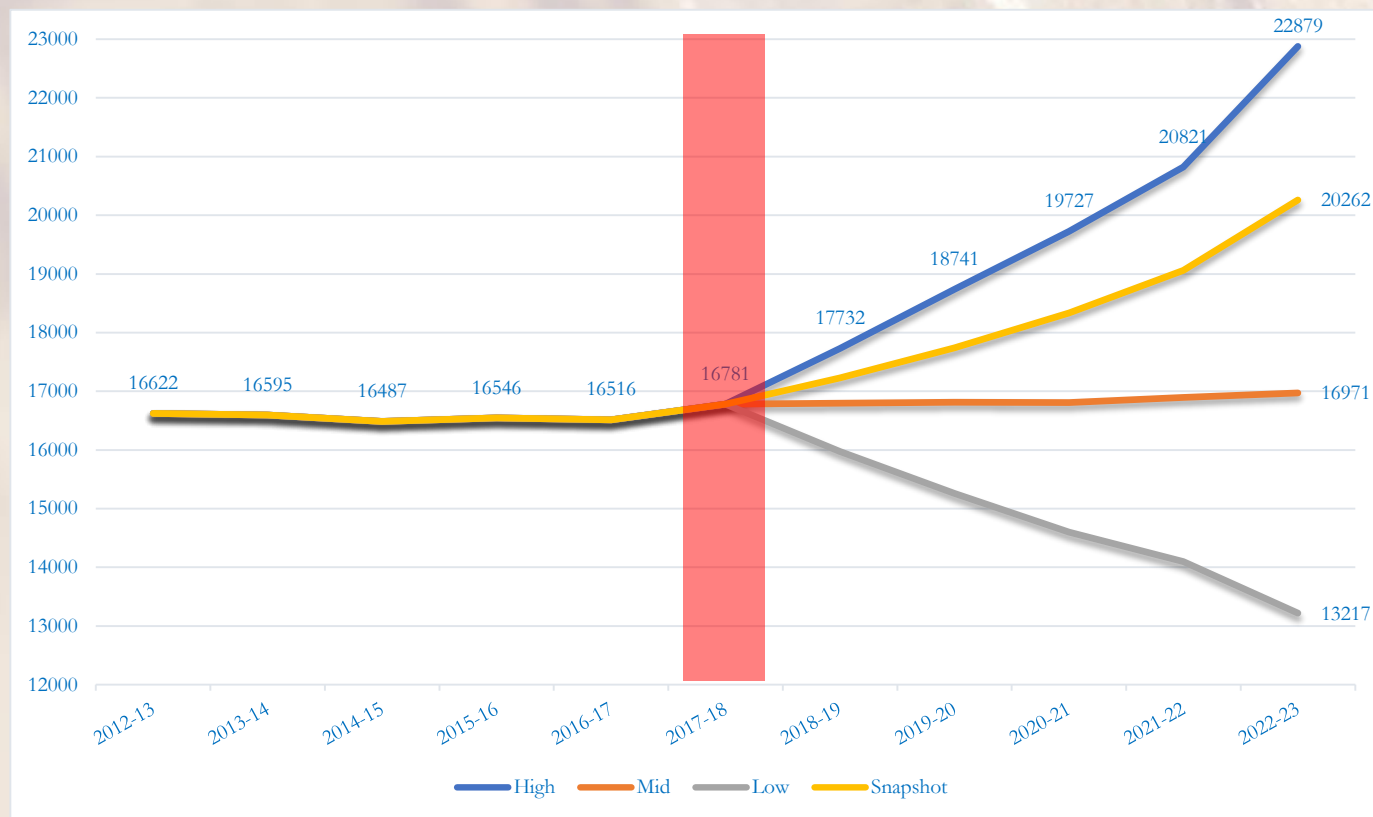
- **McNair-Northwest-West High Enrollments and Projections**

Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Births	48	52	47	54	51	66	52	49	48	57	38
K	38	44	47	45	42	54	46	44	43	51	34
1	46	44	44	52	49	49	62	53	50	49	58
2	56	47	42	42	52	47	49	62	53	50	49
3	44	59	44	39	40	50	46	48	61	52	49
4	49	44	60	43	42	47	54	50	52	66	57
5	38	52	46	64	42	41	50	57	53	55	70
6	50	42	50	44	61	47	44	53	61	56	58
7	56	51	46	52	47	62	50	47	57	65	60
8	36	61	53	41	49	47	65	52	49	59	68
9	45	34	58	54	39	49	47	64	51	49	58
10	43	44	36	54	50	43	51	49	67	53	51
11	40	42	42	35	48	49	42	50	48	65	52
12	36	41	44	40	39	50	52	45	53	51	69
Total K-5	271	290	283	285	267	288	307	314	312	323	317
Total 6-8	142	154	149	137	157	156	159	152	167	180	186
Total 9-12	164	161	180	183	176	191	192	208	219	218	230
Total K-12	577	605	612	605	600	635	658	674	698	721	733



# UPDATE – STEPS COMPLETED

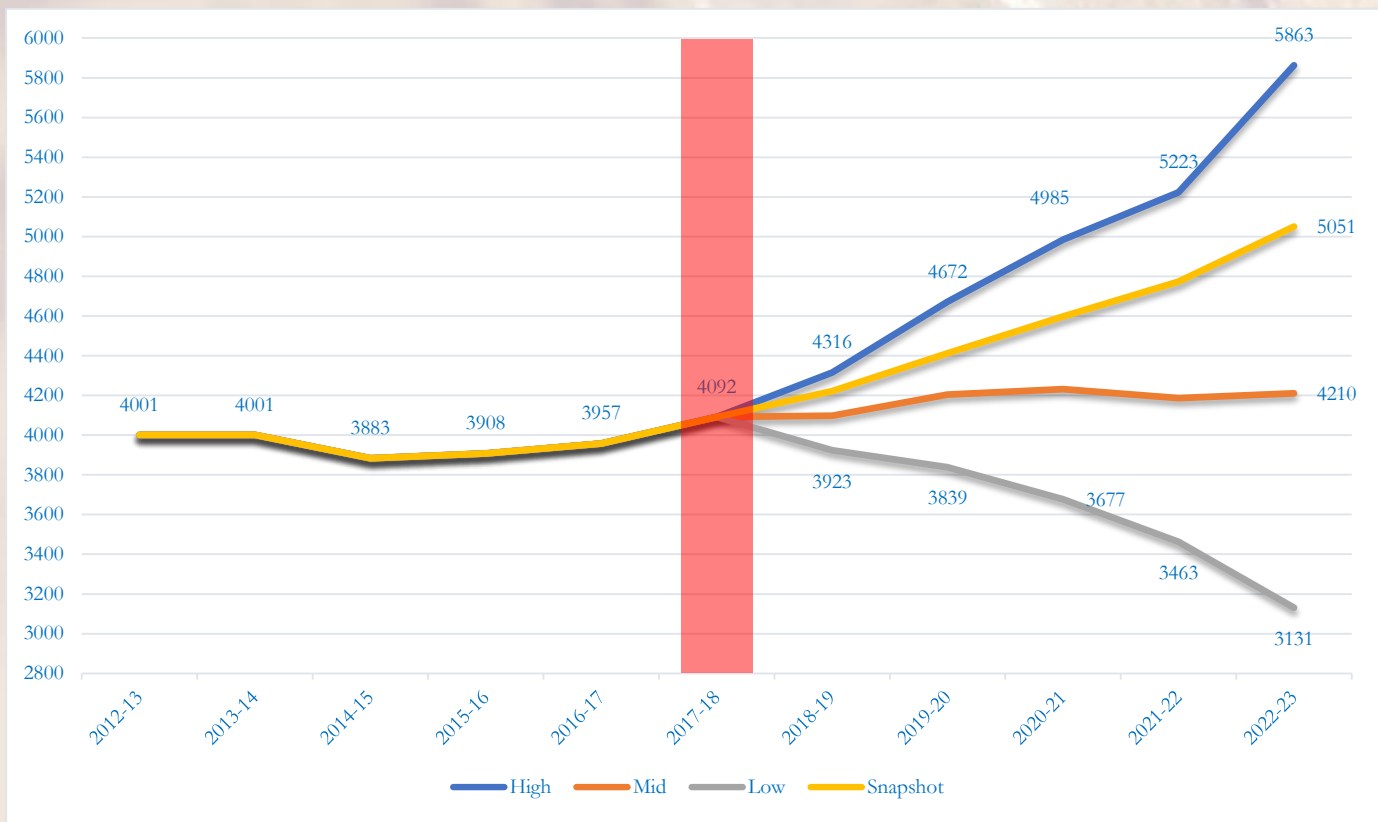
- District-Wide Projections—Total Enrollments





# UPDATE – STEPS COMPLETED

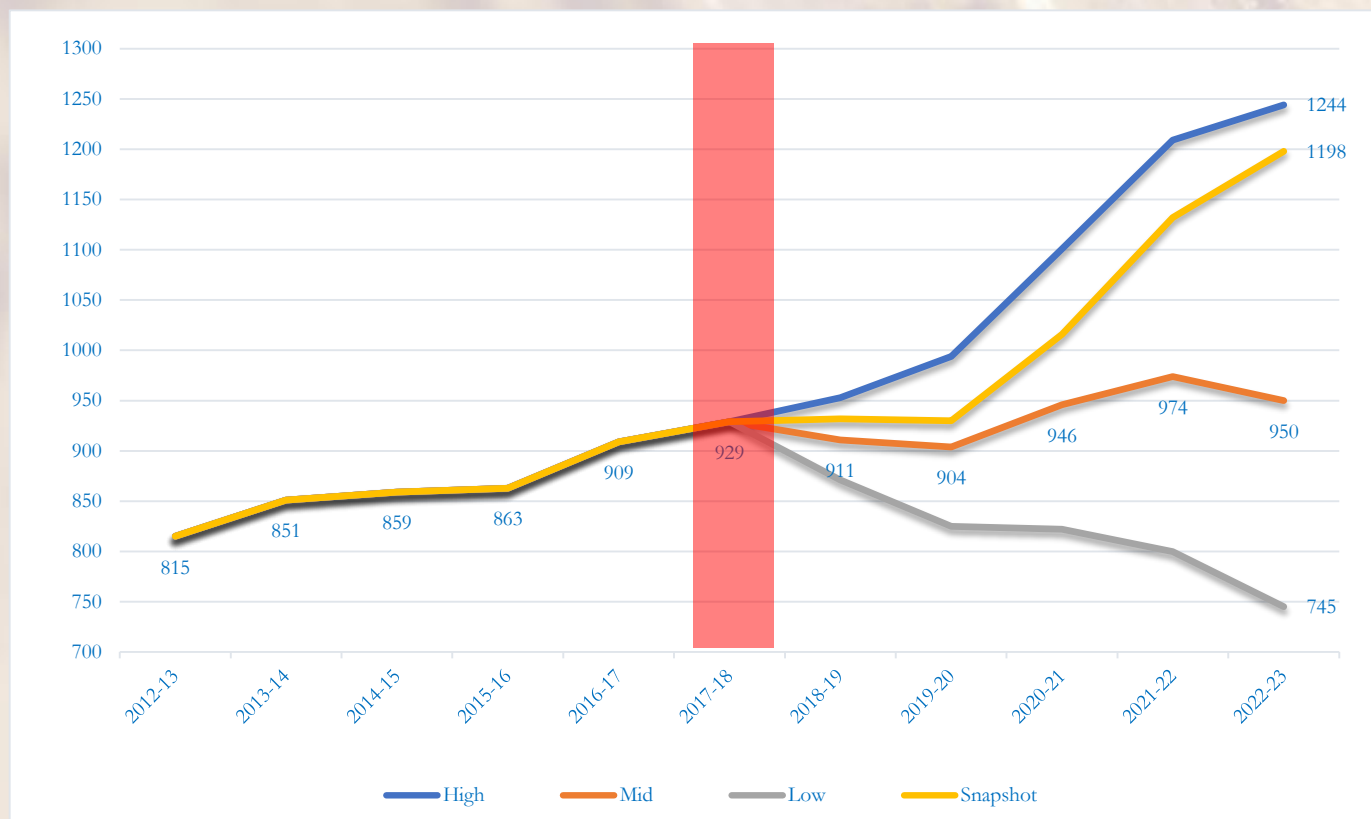
- District-Wide Projections—Middle School Enrollments





# UPDATE – STEPS COMPLETED

- Northwest Middle School Projections



# UPDATE – STEPS COMPLETED



- **Northwest Middle School Unique Attendance and Planning Areas**
  - **Jana Northwest (276)**
  - **Lawson Northwest (43, 44, 47, 57, 341, 3451)**
  - **Lusher Northwest (55, 59, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 92, 93, 270, 271, 272, 3452)**
  - **McCurdy Northwest (49, 50, 51, 52, 54, 56, 60, 61, 62, 63, 66, 67, 268, 349)**
  - **McNair Northwest (20, 26, 28, 31, 32, 33, 266, 335)**
  - **Walker Northwest (64, 65, 68, 81, 85, 86, 273, 274, 348)**



# UPDATE – STEPS COMPLETED



- **Facility and Staffing Analysis**
  - **Staffing Projections Completed Based on Enrollment Projections**
  - **Based on Missouri Class Size Standards**
  - **Low / Medium / High Range**

# PATH FORWARD



- **Redistricting**
  - **Interactive Mapping with Superintendent's Cabinet and District Transportation Experts**
    - Moderator from UnicomArc Team
    - Computer Mapping with Charles Kofron Manning the Computer
    - Number of Meetings
      - Up to 4 2-hour meetings over 2 to 4 days
    - Training Seminar
      - Demonstrating redistricting tasks for mapping participants

# PATH FORWARD



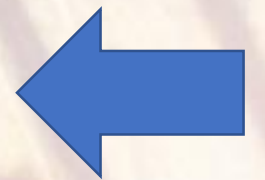
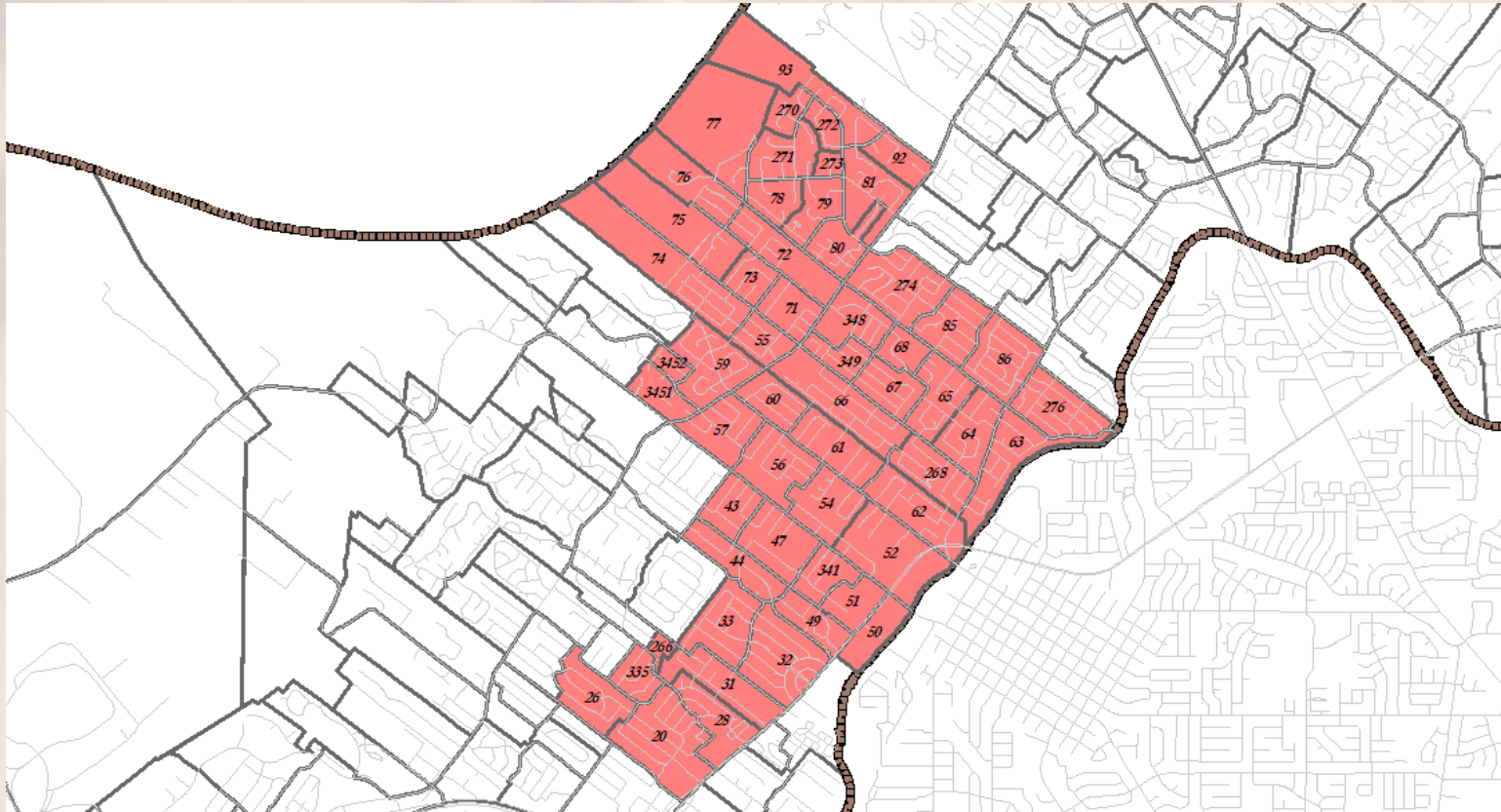
- **Middle School Priority**
  - **Northwest Middle School Redistricting by Planning Areas**
    - Re-assignment of planning areas based on 2017 counts
      - To North and West Middle Schools
    - Will substitute 2018 counts when available



# PATH FORWARD



- Northwest Middle School Planning Areas



# PATH FORWARD



- **Tweaking Elementary Attendance Areas**
  - **Phased Approach**
    - **Phase 1**
      - Assess current elementary residential counts
      - Develop scenarios at the edges of current attendance areas
      - Analyze cohort counts for PreK classrooms
      - Assess impact of Northwest Middle School redistricting
    - **Phase 2**
      - Realigning elementary attendance area boundaries

# PATH FORWARD



- **High School Attendance Areas**
  - Not a current priority
  - Will assess high school impacts due to Northwest Middle School redistricting

# PATH FORWARD



- **Facility and Staffing**
  - **Redo Affected Elementary and Middle School Staffing Projections based on Revised Enrollment Projections**
  - **Analyze Middle School Facility Capacities Based on New Data**



# **PATH FORWARD**

- **Second Round of Community Engagement**
  - Presentation of Northwest Middle School option(s)
  - PreK classroom options
  - Minor boundary changes to elementary attendance area
- **Development of Final Option(s)**
- **Report to Board**

**QUESTIONS**

