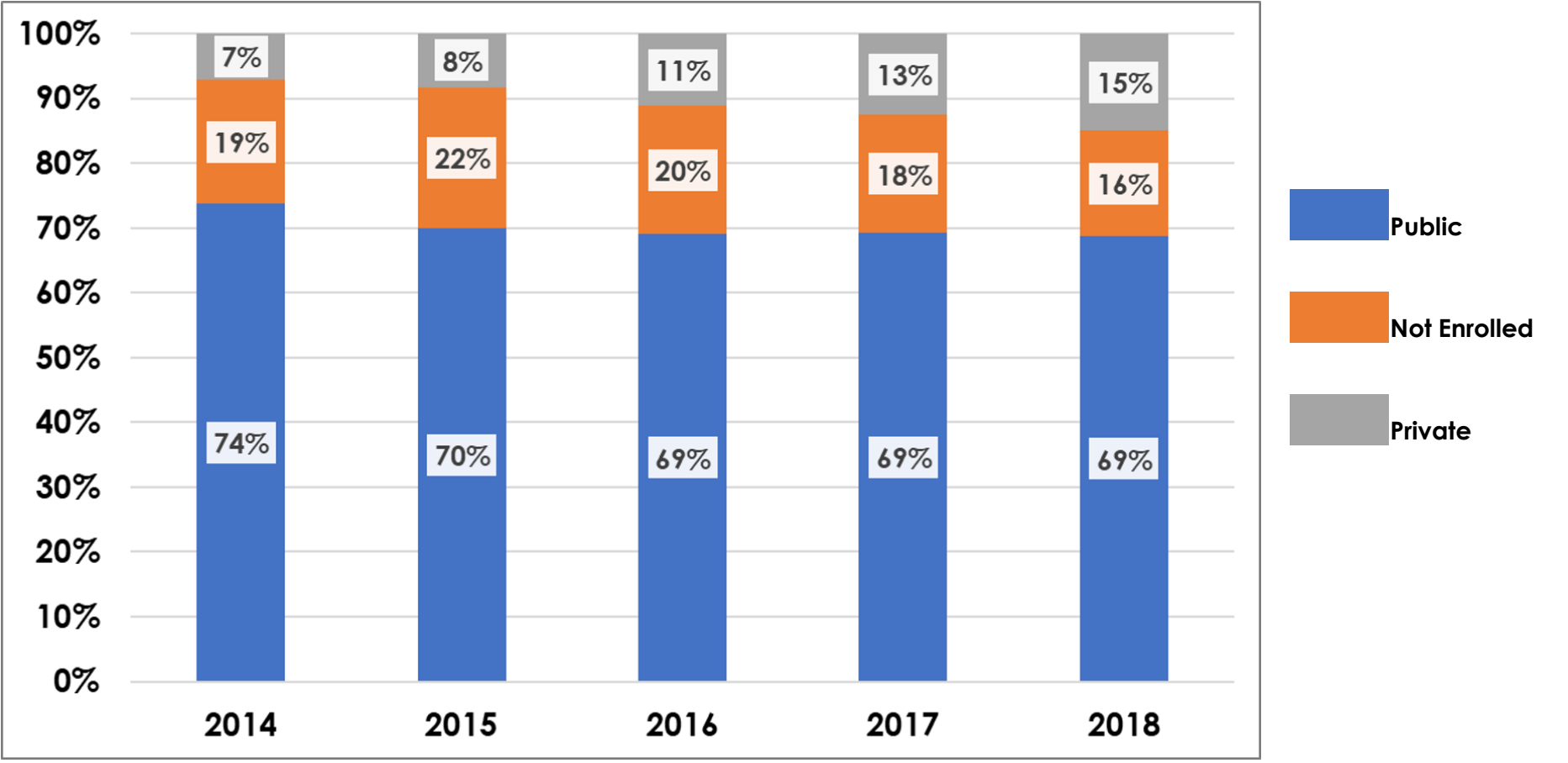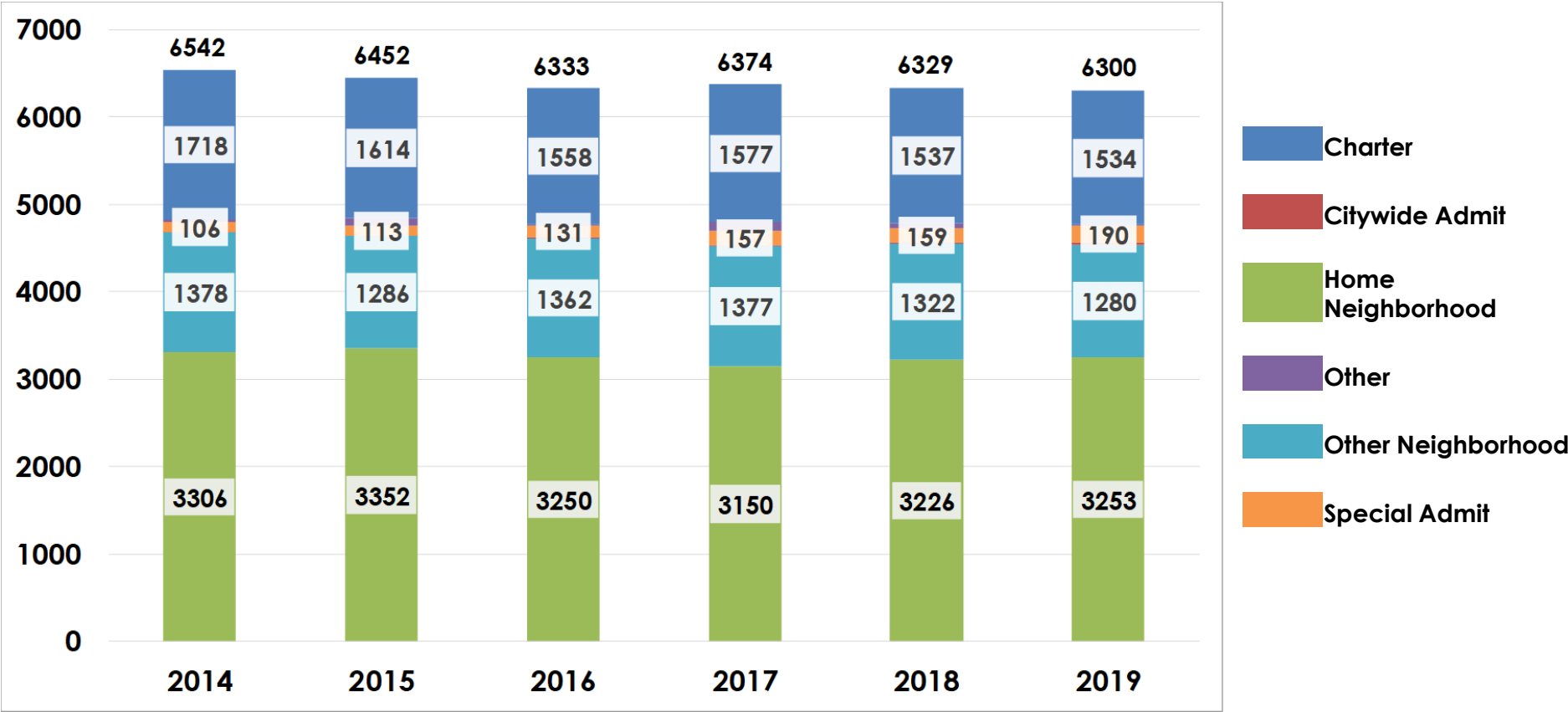# Options Refinement Study Area 1
February 4, 2020

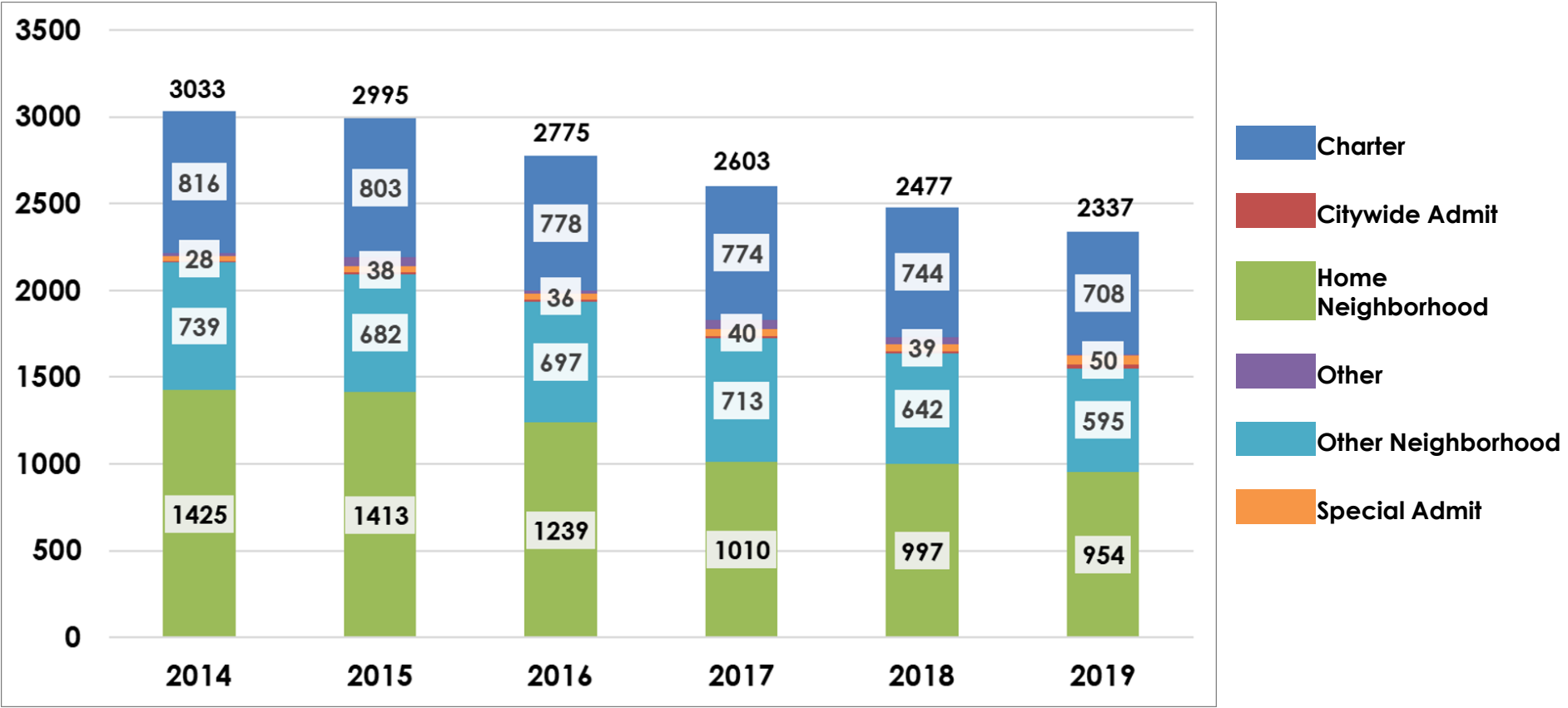# Study Area 1 – Public vs. Private K-12 Enrollment

Data Source: U.S. Census Bureau.

Study Area 1 – Where Catchment Students Go To School

Data Sources: 2019 Enrollment Projection Reports, 2019/2020 Student Information System.
Other Neighborhood schools include Renaissance Charters (Boundary-based Schools).

WORKING DOCUMENT for the purposes of discussion and deliberation

Study Area 1 − Where Catchment Students Go To School − West of Broad Street

Data Sources: 2019 Enrollment Projection Reports, 2019/2020 Student Information System.
Other Neighborhood schools include Renaissance Charters (Boundary-based Schools).

WORKING DOCUMENT for the purposes of discussion and deliberation

4

Study Area 1 – Where Catchment Students Go To School – East of Broad Street
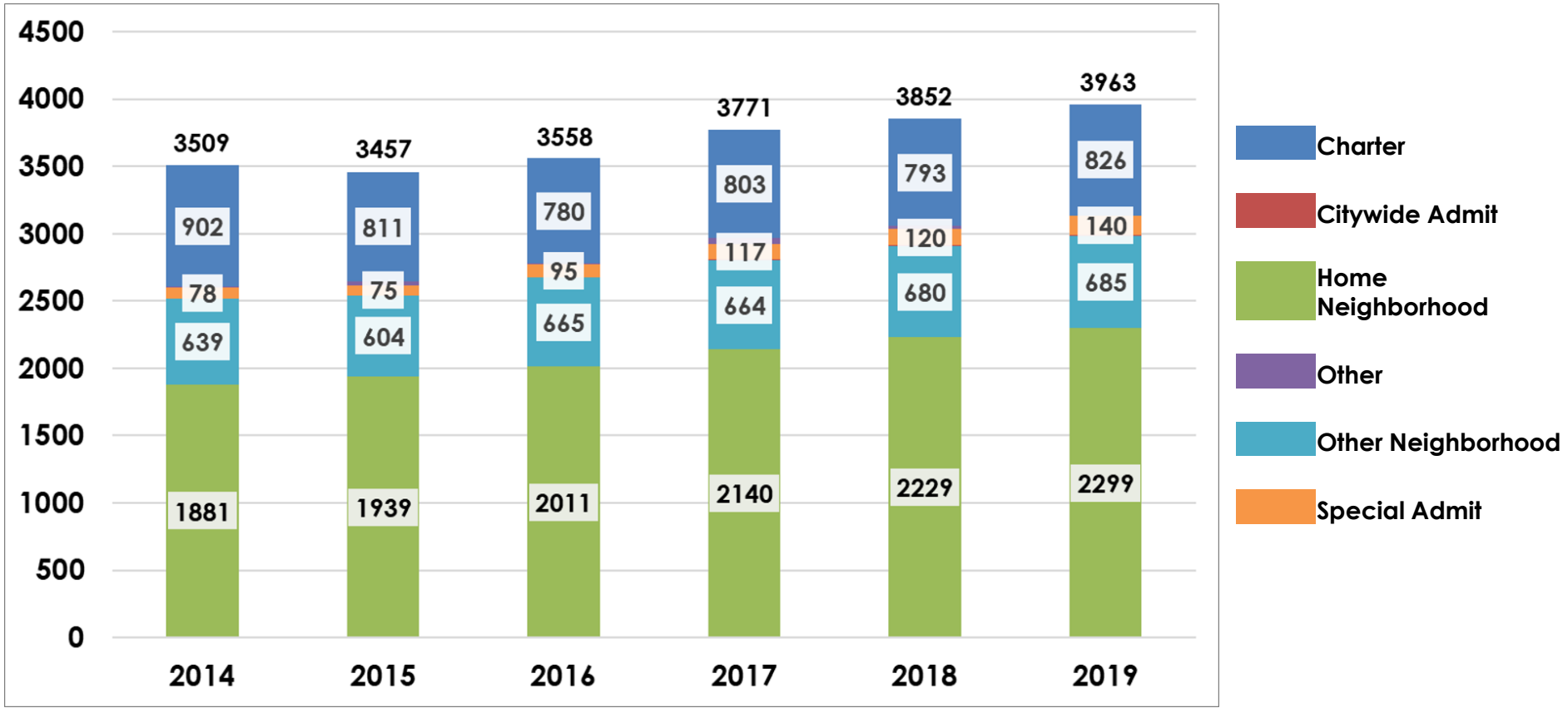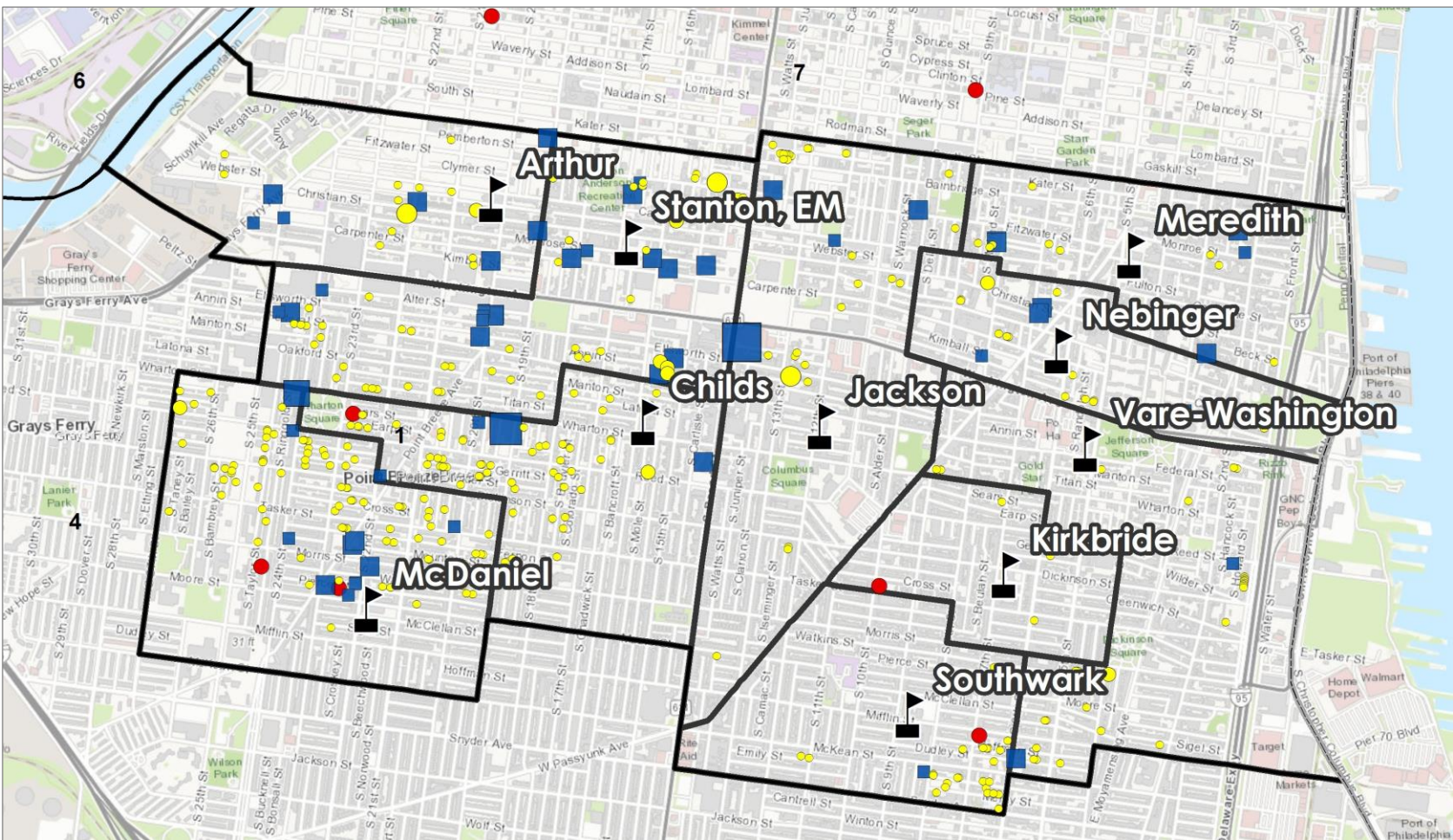

Data Sources: 2019 Enrollment Projection Reports, 2019/2020 Student Information System.
Other Neighborhood schools include Renaissance Charters (Boundary-based Schools).

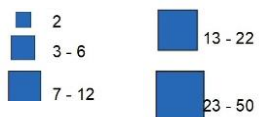WORKING DOCUMENT for the purposes of discussion and deliberation

Study Area 1 – 2014-2019 Residential Building Permits, No Certificate of Occupancy

Single-Family Units

- 1
- 2
- 3

Multi-Family Units

- 2
- 3 - 6
- 7 - 12
- 13 - 22
- 23 - 50

2019 Demolition Permits

- 2019 Demolition Permits
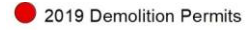
Data Source: Philadelphia City Planning Commission.

Study Area 1 – Forecast Indicator Summary

Assumptions - West Side of Broad Street

- The population of public K-8 students residing west of Broad Street has steadily decreased since 2014, exacerbating low utilizations.

- We expect this trend to change, as high rates of construction (and vacant land) and real estate activity will yield growth.

- Unless measures are taken to increase capture, high transfer out rates from these catchments (residence) will cut into, but not negate, the growth as felt in the respective schools (attendance).

Assumptions - East Side of Broad Street

- Conversely, the population of public K-8 students residing east of Broad Street has increased since 2014, contributing to high utilizations.

- Trends in construction permits, a low volume of vacant land, and slowing real estate activity point to stabilization.

- We therefore expect the neighborhood schools east of Broad Street to continue to have high utilizations with current catchment boundaries, but utilizations 3-5 years from now are expected to be lower than they are today.

Study Area 1: Additional Background Information

Sep 2003:   Began leasing St. Charles (20th and Christian) as an Annex for **Arthur School** used to serve breakfast and lunch.

July 2004:   **Arthur** begins grade expansion from a K-5 school to a K-8 school, adding a grade each year.

July 2005:   **EM Stanton** begins grade expansion from a K-5 school to a K-8 school, adding a grade each year.

July 2006:   **Childs** begins expansion from a K-4 school to a K-8 school, adding a grade each year.

July 2008:   **Mc Daniel** begins expansion from a K-4 school to a K-8 school, adding a grade each year.

Jul 2010:   **Childs** building located at 1541 S. 17th Street (19146) closed. Program is relocated to the **Norris S. Barratt MS** building located at 1599 Wharton Street (19146). Schools are co-located for 1 year.

Oct 2011:   **EM Stanton** recommended for closure.

Mar 2012:   SRC votes to reject **EM Stanton closure**. School remains open.

Jun 2013:   **Smith Elementary School** closed; Students rezoned to **EM Stanton, Childs, Arthur** (⅓ each). EM Stanton expanded to include Smith catchment.

July 2013:   **Vare** building closed.   Students and program merged with **Washington Elementary School.**

Oct 2013:   **Meredith** Annex/District Office located at 427 Monroe Street closed.

2016:   **Southwark** selected as a Community School.

May 2017:   Sale finalized for Smith Elementary School.

May 2019:   Purchase of 4 classroom modular buildings for **Meredith** approved in the FY20 Capital budget.

Study Area 1 – Utilization

School	Grades	Enrollment 2019-2020			Resident Count 2019-2020				Utilization		
		Pre-K	Enrollment	Transfer In Rates	Attending Home Neighborhood School	Attending Other Neighborhood School	Attending Other School	Transfer Out Rate to Other Schools	Building Capacity	Enrollment	Attending Home Neighborhood School
Arthur	K-8		292	41.4%	171	34	73	26.3%	417	70.0%	41.0%
Childs	PK-8	40	514	36.0%	329	124	218	32.5%	755	68.1%	43.6%
Jackson	PK-8	32	570	23.7%	435	47	197	29.0%	517	110.3%	84.1%
Kirkbride	PK-8	34	534	21.3%	420	155	99	14.7%	636	84.0%	66.0%
McDaniel	K-8		358	28.5%	256	339	325	35.3%	556	64.4%	46.0%
Meredith	K-8		538	13.2%	467	41	70	12.1%	477	112.8%	97.9%
									609*	88.3%	76.7%
Nebinger	PK-8	20	528	49.8%	265	56	118	26.9%	517	102.1%	51.3%
Southwark	PK-8	40	894	46.1%	482	210	298	30.1%	815	109.7%	59.1%
Stanton	PK-8	19	306	35.3%	198	98	172	36.8%	437	70.0%	45.3%
Vare-Washington	PK-8	36	374	38.5%	230	176	197	32.7%	596	62.8%	38.6%

Data Sources: Enrollment Projections Team 2010 or 2012 Scheduling Capacities, 2019/2020 Student Information System.
Other Neighborhood schools include Renaissance Charters (Boundary-based Schools).
Other schools include Charter, Citywide Admit, Special Admit or Other designations (Non-boundary Schools).

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Study Area 1 – Resident Student Information

Attending Home Neighborhood School: Students can be assumed to be captured since residing in attendance area and currently enrolled in that school.

Attending Other Neighborhood School: Students possibly to be captured if they decide to attend the school within the boundary that they live. They are currently enrolled at a neighborhood school or Renaissance Charter. Program options, or other recommendations, may draw these students back to their home neighborhood school.

Attending Other School: Students attending other schools (Charter, Special Admit, Citywide Admit, or other designations).

Study Area 1 Programs

School	Grades	Programs						
		Pre-K	Art	Music	PE	SPED	ELL	Dual Language
Arthur	K-8	--	✓	✓	✓	✓		
Childs	PK-8	Federal Head Start	✓	✓	✓	✓	✓	
Jackson	PK-8	Federal Head Start	✓	✓	✓	✓	✓	
Kirkbride	PK-8	Federal Head Start	✓	✓	✓	✓	✓	
McDaniel	K-8	--	✓	✓	✓	✓		
Meredith	K-8	--	✓	✓	✓	✓	✓	
Nebinger	PK-8	Bright Futures Pre-K Counts	✓	✓	✓	✓	✓	
Southwark	PK-8	Federal Head Start	✓	✓	✓	✓	✓	✓ (K-6)
Stanton	PK-8	Bright Futures Pre-K Counts		✓	✓	✓		
Vare-Washington	PK-8	Federal Head Start	✓	✓	✓	✓	✓	

Study Area 1
Select School Data

School	Grade	Programs							2019 - 2020	
		Art	Music	PE	SPED	ELL	DL	Other	Enrollment	Bldg Utilization
C. Columbus	K-8	✓	✓	✓	✓			Italian	952	
Gamp	5-12	✓	✓	✓				Theatre, Music Ensemble	626	101.6%
Independence	K-8	✓	✓	✓	✓		✓		823	
Mastery Thomas	K-12	✓	✓	✓	✓				1313	
Masterman	5-12	✓	✓	✓					1207	100.6%
Phila Perf Arts	K-12	✓	✓	✓	✓			CTE	2622	
Universal Alcorn	K-8	✓		✓	✓	✓			540	87.1%
Universal Institute	K-8	✓	✓		✓	✓		Arabic	652	

Designing Schools to Meet SA1 Evolving Needs

KEY ISSUES

- **Imbalanced enrollment across SA1 schools**
  - High utilization for schools East of Broad St. (and not enough space to accommodate in facilities)
  - Low utilization for schools West of Broad St., despite stable and growing student populations

- **Middle schools across SA1 lose students to other educational opportunities**
  - Despite heavy demand for PreK and K-5

- **Additional Considerations**
  - Impact of gentrification on school enrollments
  - Impact of immigration and student mobility on school enrollments
  - Perceptions of schools (quality, climate, safety, programs)

Option Development– Study Area 1

PRELIMINARY SOLUTIONS APPLIED...

OPTION		STATUS	COMMENTS
1.0	A. Balance utilization through revised boundaries for SA1 schools - **Revised** B. Seek programming alternatives for underutilized schools and enhance learning opportunities	🟡	• Concerns about loss of diversity • Be mindful of landmarks (Broad Street, etc.), walkability • Probably does best job of balancing enrollment, but not underutilization • Keeps K-8 model, families and their children together

OPTION		STATUS	COMMENTS
2.0	A. K-5 conversion for SA1 schools B. Identify suitable location for MS (6-8)	🟡	• **Imbalanced utilization across study area** • New MS would need to accommodate 1,424 students • Decreases utilization at Kirkbride and Vare-Washington • Southwark has K-8 programs that would be compromised • Having all schools switch seems more uniform • Helps w/over-enrolled schools and helps to focus efforts of schools on early enrollment • K-5 developmentally appropriate • Too many students for one school, combining kids from all different neighborhoods which could have a potentially volatile impact on school climate

🟡 **More info needed**   🔴 **Not viable**   🟢 **Viable**

Option Development– Study Area 1

PRELIMINARY SOLUTIONS APPLIED...

OPTION		STATUS	COMMENTS
3.0	A. K-5 conversion for schools east of Broad Street B. Identify suitable location for MS (6-8) for those schools	🟡	• Imbalanced utilization across study area • New MS would need to accommodate <u>978 students</u> • Decreases utilization at Kirkbride and Vare-Washington

OPTION	
3.1	A. K-5 conversion for schools east of Broad Street **B. Revise boundaries for SA1 schools to balance utilization** C. Identify suitable location for MS (6-8) for those schools new

OPTION	
4.0	A. K-5 conversion for SA1 schools **B. Identify suitable location for MS's (6-8): 1 east and 1 west of Broad Street** new
4.1	A. K-5 conversion for SA1 schools **B. Revise boundaries for SA1 schools to balance utilization** **C. Identify suitable location for MS's (6-8): 1 east and 1 west of Broad Street** new

🟡 **More info needed**   🔴 **Not viable**   🟢 **Viable**

Study Area 1 – **Revised** Option 1

Existing Vs Option 1 Boundary Maps
 – Hard Copy, 11x17pdf

Study Area 1 – **Revised** Option 1
Boundary Revisions

SA1 Cycle 1 Schools, 2019 Data

School	Grades	Option Impact Based on Residing Students			
		Attending Home Neighborhood School	Attending Other Neighborhood School	Attending Home Neighborhood School Utilization	Total Resident Utilization
Arthur	K-8	180	121	43.2%	72.2%
Childs	PK-8	325	220	43.0%	72.2%
Jackson	PK-8	314	44	60.7%	69.2%
Kirkbride	PK-8	362	159	56.9%	81.9%
McDaniel	K-8	252	362	45.3%	110.4%
Meredith	K-8	365	28	76.5%	82.4%
				59.9%	64.5%
Nebinger	PK-8	246	122	47.6%	71.2%
Southwark	PK-8	424	227	52.0%	79.9%
Stanton	PK-8	72	229	16.5%	68.9%
Vare-Washington	PK-8	174	207	29.2%	63.9%

Reference baseline utilization table for comparison to existing conditions.
Residing students currently attending their home neighborhood school are assumed to be baseline capture rate for utilization.
Data Sources: 2019/2020 Student Information System.
Other neighborhood schools include District run schools and Renaissance Charter schools (Boundary-based Schools).

Study Area 1 – **Revised** Option 1
Boundary Revisions

Impact on Diversity – Change from Existing to Option

	Arthur	Childs	Jackson	Kirkbride	McDaniel	Meredith	Nebinger	Southwark	Stanton	Vare-Washington
American Indian/Alaskan Native	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Asian	0.6%	-3.3%	1.8%	-1.0%	-0.3%	0.4%	-0.3%	-0.2%	2.6%	1.8%
Black/African American	6.9%	3.2%	-15.0%	0.8%	0.5%	0.6%	-4.9%	1.1%	-22.2%	-3.3%
Hispanic/Latino	2.5%	-1.4%	7.2%	-0.5%	-0.4%	0.1%	-2.8%	-1.2%	3.2%	0.9%
Multi-Racial/Other	-2.0%	1.3%	-1.4%	0.3%	0.0%	0.6%	1.1%	1.6%	0.5%	-2.2%
Native Hawaiian/Pacific Islander	0.0%	0.2%	0.1%	0.0%	0.0%	0.2%	-0.1%	0.0%	-0.3%	0.1%
White	-7.7%	0.2%	7.1%	0.3%	0.2%	-1.1%	7.0%	-1.4%	16.2%	2.7%

Study Area 1 – **Revised** Option 1
Boundary Revisions

Impact on Free and Reduced Lunch – Change from Existing to Option

School	Magnitude Change
Arthur	-5.8%
Childs	2.0%
Jackson	8.0%
Kirkbride	-1.2%
McDaniel	0.1%
Meredith	-0.9%
Nebinger	10.6%
Southwark	0.7%
Stanton	5.4%
Vare-Washington	-0.3%

Study Area 1 – Option 2
K-5 Grade Configuration | MS MODEL

SA1 Cycle 1 Schools, 2019 Data

School	Grade
Arthur	K-8
Childs	PK-8
Jackson	PK-8
Kirkbride	PK-8
McDaniel	K-8
Meredith (includes 4 modulars)	K-8
Nebinger	PK-8
Southwark	PK-8
Stanton	PK-8
Vare-Washington	K-8

Option Impact on Enrollment		
Grades	Assumed Enrollment	Utilization
K-5	225	54.0%
K-5	338	44.8%
K-5	423	81.8%
K-5	361	56.8%
K-5	233	41.9%
K-5	397	83.2%
K-5	397	65.2%
K-5	409	79.1%
K-5	608	74.6%
K-5	226	51.7%
K-5	262	44.0%

Middle School would need to accommodate 1,424 students based on *enrollment shifts*

Reference baseline utilization table for comparison to existing conditions

WORKING DOCUMENT for the purposes of discussion and deliberation

Study Area 1 – Option 3
K-5 Model | Open MS EAST OF BROAD STREET

SA1 Cycle 1 Schools, 2019 Data

School	Grade
Arthur	K-8
Childs	PK-8
Jackson	**PK-8**
Kirkbride	**PK-8**
McDaniel	K-8
Meredith (includes 4 modulars)	**K-8**
Nebinger	**PK-8**
Southwark	**PK-8**
Stanton	PK-8
Vare-Washington	**K-8**

Option Impact on Enrollment		
Grades	**Assumed Enrollment**	**Utilization**
K-8	292	70.0%
PK-8	514	68.1%
K-5	**423**	**81.8%**
K-5	**361**	**56.8%**
K-8	358	64.4%
K-5	**397**	**83.2%**
K-5	**397**	**65.2%**
K-5	**409**	**79.1%**
K-5	**608**	**74.6%**
PK-8	306	70.0%
K-5	**262**	**44.0%**

Middle School would need to accommodate 978 students based on *enrollment shifts*

Reference baseline utilization table for comparison to existing conditions

WORKING DOCUMENT for the purposes of discussion and deliberation

Study Area 1– Option 3.1

Existing Vs Option 3.1 Boundary Maps
– Hard Copy, 11x17pdf

Study Area 1 – Option 3.1
K-5 Model for East of Broad Street | Open MS East of Broad Street | Revise Boundaries

SA1 Cycle 1 Schools, 2019 Data

School	Grades	Option Impact Based on Residing Students			
		Attending Home Neighborhood School	Attending Other Neighborhood School	Attending Home Neighborhood School Utilization	Total Resident Utilization
Arthur	K-8	171	38	41.0%	50.1%
Childs	PK-8	329	125	43.6%	60.1%
Jackson	**PK-5**	**235**	**18**	**45.5%**	**48.9%**
Kirkbride	**PK-5**	**257**	**122**	**40.4%**	**59.6%**
McDaniel	K-8	252	337	45.3%	105.9%
Meredith	**K-5**	**270**	**28**	**56.6%**	**62.5%**
				44.3%	**48.9%**
Nebinger	**PK-5**	**226**	**231**	**43.7%**	**88.4%**
Southwark	**PK-5**	**289**	**129**	**35.5%**	**51.3%**
Stanton	PK-8	199	98	45.5%	68.0%
Vare-Washington	**PK-5**	**172**	**179**	**28.9%**	**58.9%**

Middle School <u>east</u> of Broad Street would need to accommodate 596 students based on *resident students* attending their home neighborhood school and boundary shifts

Reference baseline utilization table for comparison to existing conditions.
Residing students currently attending their home neighborhood school are assumed to be baseline capture rate for utilization.
Data Sources: 2019/2020 Student Information System.
Other neighborhood schools include District run schools and Renaissance Charter schools (Boundary-based Schools).

Study Area 1 – Option 3.1
K-5 Model for East of Broad Street | Open MS East of Broad Street | Revise Boundaries

Impact on Diversity - Change from Existing to Option

	Jackson	Kirkbride	Meredith	Nebinger	Southwark	Vare-Washington
American Indian/Alaskan Native	0.2%	-0.2%	0.0%	0.0%	0.2%	0.0%
Asian	1.3%	-3.6%	-0.2%	-0.3%	21.5%	1.8%
Black/African American	-15.5%	0.4%	-1.3%	-10.7%	8.4%	-3.3%
Hispanic/Latino	2.3%	0.5%	-1.8%	-1.8%	52.9%	0.9%
Multi-Racial/Other	-1.2%	0.6%	-0.2%	2.7%	3.1%	-2.2%
Native Hawaiian/Pacific Islander	0.2%	0.0%	-0.1%	0.1%	0.0%	0.1%
White	12.7%	2.3%	3.6%	10.1%	13.9%	2.7%

Enrollment vs residing students (not charter schools)

Study Area 1 – Option 3.1
K-5 Model for East of Broad Street | Open MS East of Broad Street | Revise Boundaries

Impact on Free and Reduced Lunch – Change from Existing to Option

School	Magnitude Change
Jackson	10.9%
Kirkbride	-0.7%
Meredith	1.6%
Nebinger	19.0%
Stanton	0%
Vare-Washington	-0.1%

Enrollment vs residing students (not charter schools)

WORKING DOCUMENT for the purposes of discussion and deliberation

Study Area 1 – Option 4.0

K-5 Model | Open two middle schools – one east of Broad Street one west of Broad Street

SA1 Cycle 1 Schools, 2019 Data

School	Grades	Options Impact			
		Assumed Enrollment	Enrollment Utilization	Attending Home Neighborhood School	Attending Home Neighborhood School Utilization
Arthur	K-5	225	54.0%	144	34.5%
Childs	PK-5	338	44.8%	212	28.1%
Jackson	PK-5	423	81.8%	343	66.3%
Kirkbride	PK-5	361	56.8%	301	47.3%
McDaniel	K-5	233	41.9%	183	32.9%
Meredith	K-5	397	83.2%	374	78.4%
			65.2%		61.4%
Nebinger	PK-5	409	79.1%	212	41.0%
Southwark	PK-5	608	74.6%	306	37.5%
Stanton	PK-5	221	50.6%	144	33.0%
Vare-Washington	PK-5	262	44.0%	167	28.0%

The Middle School east of Broad Street would need to accommodate 978 students based on *enrollment shifts*

The Middle School west of Broad Street would need to accommodate 447 students based on *enrollment shifts*

Reference baseline utilization table for comparison to existing conditions.
Residing students currently attending their home neighborhood school are assumed to be baseline capture rate for utilization.
Data Sources: 2019/2020 Student Information System.
Other neighborhood schools include District run schools and Renaissance Charter schools (Boundary-based Schools).

Study Area 1– Option 4.1

Existing Vs Option 4.1 Boundary Maps – Hard Copy, 11x17pdf

Study Area 1 – Option 4.1

K-5 Model with boundary revisions| Open two middle schools – one east of Broad Street one west of Broad Street

SA1 Cycle 1 Schools, 2019 Data

School	Grades	Option Impact Based on Residing Students			
		Attending Home Neighborhood School	Attending Other Neighborhood School	Attending Home Neighborhood School Utilization	Total Resident Utilization
Arthur	K-5	144	16	34.5%	38.4%
Childs	PK-5	212	84	28.1%	39.2%
Jackson	PK-5	235	18	45.5%	48.9%
Kirkbride	PK-5	257	122	40.4%	59.6%
McDaniel	K-5	181	202	32.6%	68.9%
Meredith	K-5	270	28	56.6%	62.5%
				44.3%	48.9%
Nebinger	PK-5	226	231	43.7%	88.4%
Southwark	PK-5	289	129	35.5%	51.3%
Stanton	PK-5	144	61	33.0%	46.9%
Vare-Washington	PK-5	172	179	28.9%	58.9%

The Middle School east of Broad Street would need to accommodate 596 students based on *resident students* attending their home neighborhood school

The Middle School west of Broad Street would need to accommodate 271 students based on *resident students* attending their home neighborhood school

Reference baseline utilization table for comparison to existing conditions.
Residing students currently attending their home neighborhood school are assumed to be baseline capture rate for utilization.
Data Sources: 2019/2020 Student Information System.
Other neighborhood schools include District run schools and Renaissance Charter schools (Boundary-based Schools).

Study Area 1 – Option 4.1
Boundary Revisions

Impact on Diversity Change from Existing to Option

	Arthur	Childs	Jackson	Kirkbride	McDaniel	Meredith	Nebinger	Stanton	Southwark	Vare-Washington
American Indian/Alaskan Native	0.0%	0.1%	0.2%	-0.2%	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%
Asian	0.1%	-2.8%	1.3%	-3.6%	-0.8%	-0.2%	-0.3%	1.4%	21.5%	1.8%
Black/African American	-9.0%	-1.6%	-15.5%	0.4%	-2.0%	-1.3%	-10.7%	-5.7%	8.4%	-3.3%
Hispanic/Latino	1.2%	1.4%	2.3%	0.5%	0.7%	-1.8%	-1.8%	0.9%	52.9%	0.9%
Multi-Racial/Other	0.3%	0.3%	-1.2%	0.6%	1.1%	-0.2%	2.7%	1.4%	3.1%	-2.2%
Native Hawaiian/Pacific Islander	0.0%	0.1%	0.2%	0.0%	0.0%	-0.1%	0.1%	0.2%	0.0%	0.1%
White	7.9%	2.5%	12.7%	2.3%	1.0%	3.6%	10.1%	1.8%	13.9%	2.7%

Enrollment vs residing students (not charter schools)

WORKING DOCUMENT for the purposes of discussion and deliberation

Study Area 1 – Option 4.1
Boundary Revisions

Impact on Free and Reduced Lunch – Change from Existing to Option

School	Magnitude Change
Arthur	5.3%
Childs	0.1%
Jackson	10.9%
Kirkbride	-0.7%
McDaniel	-3.8%
Meredith	1.6%
Nebinger	19.0%
Southwark	4.0%
Stanton, EM	2.5%
Vare-Washington	-0.1%