



# Fairfield Public Schools

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## Elementary School Facilities and Scenario Planning

October 24, 2017



# Agenda

## **1. Facilities**

- Elementary Ed. Spec. (Holland Hill)
- Theoretical Capacity
- Operational Capacity

## **2. Enrollment Trends**

- October 1, 2017 Enrollment
- Review of 2016 projections

## **3. Scenario Planning**



# Elementary Ed. Spec. (Holland Hill)

An Ed. Spec is a detailed description of room sizes, uses, and design characteristics needed to achieve FPS's educational goals and objectives

## Instructional Spaces

**4 Kindergarten classrooms**

**20 Grade 1 to 5 classrooms**

## Support Services <sup>1</sup>

1 Instructional Improvement Teacher

1 School Psychologist

1 Social Worker

1 Teacher of Gifted Room

**1 Math/Science Room**

2 Language Art Specialist Rooms

1 Spanish Office

Nurses Facility

Large Conference Room

## Educational Spaces

**Art Room** with storage

**Music Room** with small group classroom

Media center with integrated comp lab

## Special Education <sup>1</sup>

4 Resource Teaching Rooms

2 Speech & Language Rooms

1 OT/PT Room

## Other <sup>1</sup>

2 Staff workrooms

**Rooms highlighted in blue were assumed to occupy full-size classrooms**

*1. Ed Spec does not specify the recommended size of special education, support services, or other spaces*



# Elementary Ed. Spec. (Holland Hill)

## Full-Size Classrooms

- 4 Kindergarten classrooms
- 20 Grade 1 to 5 classrooms
- 1 Math/Science Room
- 1 Music Room with small group classroom
- 1 Art Room with storage
- 1 Computer Lab <sup>1</sup>

### 24 K-5 instructional classrooms

### 3 to 4 other educational classrooms <sup>1</sup>

## Small Spaces

**If small spaces are not available, these uses would occupy subdivided full-sized classrooms**

- 4 Resource Teaching Rooms
- 2 Speech & Language Rooms
- 1 OT/PT Room
- 2 Staff Workrooms
- 1 Instructional Improvement Teacher
- 1 School Psychologist
- 1 Social Worker
- 1 Teacher of Gifted Room
- 2 Language Art Specialist Rooms
- 1 Spanish Office
- Large Conference Room

### 17 small spaces <sup>2</sup>

1. Computer lab only needed in a full-size classroom if not integrated with media center
2. Assumed that each school had a dedicated nurses facility and administrative office suite



# Elementary School Space Inventory

- Due to various ages of buildings and evolution of classroom needs, it is difficult to conduct an “apples to apples” comparison of school facilities
- Older school facilities need to be creative in space utilization in order to meet modern programming needs and Ed. Specs.
- Portable classrooms were not counted towards a facility’s capacity



# Elementary School Space Inventory

School	Inventory				2017-18 Uses		Portable Classrooms (not included in capacity)
	Total Full-Size Classrooms <sup>2</sup>	Total Full-Size Instructional Classrooms	Other Full Size Classrooms	Total Small Spaces	Instructional Rooms in Use	Instructional Rooms Used for Other Purposes	
Burr	28	24	4	17	18	6	0
Dwight	21	18	3	7	17	1	0
Holland Hill <sup>1</sup>	28	24	4	17	18	6	0 <sup>3</sup>
Jennings	23	18	5	4	15	3	1
McKinley	30	24	6	17+	24	0	0
Mill Hill	20	18	2	10	18	0	5
North Stratfield	28	24	4	16	18	6	0
Osborn Hill	30	24	6	10	21	3	0
Riverfield	27	24	3	16	20	4	0
Roger Sherman	24	22	2	17	22	0	1
Stratfield	27	24	3	17	18	6	0
<b>Total All Schools</b>	<b>286</b>	<b>244</b>	<b>42</b>	<b>135</b>	<b>209</b>	<b>35</b>	<b>7</b>

1. Based on the planned capacity from the new Holland Hill Ed Spec.

2. Does not include portable classrooms

3. Current Holland Hill school has 5 portables. New Holland Hill won't have any portables

Includes districtwide programs such as PK, ECC, CLC, and other support services



# Burr Example

- Built in 2004
- Special education and support functions housed in **small spaces** designed for these uses
- **Full size classrooms** only used for grade level instruction and other educational uses (art, music, science, etc.)
- Aligns with Elementary Ed Spec.



# Dwight Example

- Built in 1962
- Fewer **small spaces** to house special education and support functions
- **Full size classrooms** used for grade level instruction, other educational uses (art, music, science, etc.), and some special education and support functions
- Needs to utilize full-size classrooms to align with Elementary Ed. Spec





# Mill Hill Example

- Built in 1955
- Fewer **small spaces** to house special education and support functions
- **Full size classrooms** used for grade level instruction, other educational uses (art, music, science, etc.), and some special education and support functions
- **Portable classrooms** needed in order to align with Elementary Hill Ed. Spec



# Elementary School Space Inventory

- Schools with adequate **small spaces** to meet the Elementary Ed. Spec
  - Burr
  - McKinley
  - North Stratfield
  - Riverfield
  - Roger Sherman
  - Stratfield
  - Holland Hill (new)
- Schools where **full-size classrooms** are needed for support and special education spaces in order to meet the Elementary Ed. Spec
  - Dwight
  - Jennings
  - Osborn Hill
- Schools where **portable classrooms** are needed in order to meet the Elementary Ed. Spec
  - Mill Hill



# Mill Hill Construction Project

- Mill Hill is the only school that needs portable classrooms in order to meet the current Elementary Ed. Spec (Holland Hill)
  - If the five portables were removed, Mill Hill's capacity would need be reduced from 378 students to 273 students in order to meet the Ed. Spec.
- At a minimum, construction project should address the lack of support space at Mill Hill and replace the portable classrooms with permanent space. This is necessary in order to operate Mill Hill as a 378 student school
  - If an elementary school is closed, a larger construction project would likely be warranted (target capacity of 504 students) <sup>1</sup>

1. Based on 2016-17 ten-year projections model. To be updated with 2017-18 ten-year projections model



# District Wide Programs and Space Needs

<b>CLC:</b>	5 classrooms Burr (1), Dwight (1), Jennings(1), Osborn Hill (2)
<b>Pre-K:</b>	2 classrooms <sup>1, 2</sup> Burr (1), Stratfield (1)
<b>ECC Pre-K Program:</b>	1 classroom Stratfield (1)
<b>District Behavior Need:</b>	1 classroom <b>TBD</b>

1. Half day programs can house two Pre-K sections per classroom per day. Excludes the Pre-K classrooms at the Early Childhood Center
2. Pre-K programs at Burr and Stratfield are tied to the "Opt-In" program

**Location based on availability of space and need**

**Relocation of these programs is possible, but undesirable**



# Loading Levels

<b>K-5 Instruction:</b>	21 students per classroom
<b>CLC:</b>	8 students per classroom
<b>Pre-K:</b>	18 students per section (half day) 36 students per classroom per day
<b>ECC Program:</b>	12 students per section (half day) 24 students per classroom per day
<b>District Behavior Need:</b>	10 Students per classroom



# K-5 Theoretical Capacity

School	Total Full-Size Classrooms <sup>2</sup>	Total Full-Size Instructional Classrooms	K-5 Grade Level Instruction
Burr	28	24	504
Dwight	21	18	378
Holland Hill <sup>1</sup>	28	24	504
Jennings	23	18	378
McKinley	30	24	504
Mill Hill (without portbles)	20	13	273
North Stratfield	28	24	504
Osborn Hill	30	24	504
Riverfield	27	24	504
Roger Sherman	24	22	462
Stratfield	27	24	504
<b>Total All Schools</b>	<b>286</b>	<b>239</b>	<b>5,019</b>

1. Based on the planned capacity from the new Holland Hill Ed Spec

2. Does not include portable classrooms

Theoretical capacity is not an accurate reflection of how buildings are actually used because it does not take district-wide programs into consideration



# K-5 Operational Capacity

School	Total Full-Size Classrooms <sup>2</sup>	Total Full-Size Instructional Classrooms	K-5 Grade Level Instruction	CLC	Pre-K <sup>3</sup>	K-5 Operational Capacity
Burr	28	24	22	1	1	470
Dwight	21	18	17	1	0	365
Holland Hill <sup>1</sup>	28	24	24	0	0	504
Jennings	23	18	17	1	0	365
McKinley	30	24	24	0	0	504
Mill Hill (without portbles) <sup>2</sup>	20	13	13	0	0	273
North Stratfield	28	24	24	0	0	504
Osborn Hill	30	24	22	2	0	478
Riverfield	27	24	24	0	0	504
Roger Sherman	24	22	22	0	0	462
Stratfield	27	24	22	0	2	462
<b>Total All Schools</b>	<b>286</b>	<b>239</b>	<b>231</b>	<b>5</b>	<b>3</b>	<b>4,891</b>

1. Based on the planned capacity from the new Holland Hill Ed Spec

2. The five portable classrooms were deducted from the capacity at Mill Hill

3. Pre-K classrooms are deducted from the K-5 operational capacity

Operational capacity = deployment of district-wide programs for the 2017-18 school year  
128 seats lower than the theoretical capacity not including district behavior program



# Middle School Capacity

## Middle School Capacity and Utilization: 2017-18

School	Total Full-Size Classrooms	Building Capacity	2017-18 Enroll	Utilization
Fairfield Woods	61	840	941	112.0%
Roger Ludlowe	68	875	861	98.4%
Tomlinson	51	700	656	93.7%
<b>Total All Schools</b>	<b>180</b>	<b>2415</b>	<b>2458</b>	<b>101.8%</b>





# Current Enrollment

## October 1, 2017 Enrollment

School	K	1	2	3	4	5	K-5 Total	Operational Capacity <sup>2,3</sup>	Percent Utilization
Burr	57	64	65	58	72	64	380	470	80.9%
Dwight	37	52	55	59	59	53	315	365	86.3%
Holland Hill <sup>1</sup>	62	48	68	67	63	71	379	504	75.2%
Jennings	39	43	48	58	59	42	289	365	79.2%
McKinley	56	87	67	73	76	73	432	504	85.7%
Mill Hill (without portables)	53	59	62	61	50	62	347	273	127.1%
North Stratfield	65	54	53	69	73	66	380	504	75.4%
Osborn Hill	71	62	59	64	83	84	423	478	88.5%
Riverfield	72	58	72	72	70	70	414	504	82.1%
Sherman	59	82	86	66	93	84	470	462	101.7%
Stratfield	60	65	62	72	73	74	406	462	87.9%
<b>Total</b>	<b>631</b>	<b>674</b>	<b>697</b>	<b>719</b>	<b>771</b>	<b>743</b>	<b>4,235</b>	<b>4,891</b>	<b>86.6%</b>

1. Based on planned capacity for the new Holland Hill School

2. Operational capacity does not include portable classrooms

3. Operational capacity takes into consideration the placement of district-wide programs such as Pre-K and CLC



# Current Enrollment

## October 1, 2017 Enrollment

School	Total K-5 Students	Minority Students	Percent Minority	Absolute Imbalance	Racial Balance Status
Burr	380	94	24.7%	-0.1%	-
Dwight	315	44	14.0%	-10.8%	-
Holland Hill	379	151	39.8%	15.0%	Impending
Jennings	289	73	25.3%	0.5%	-
McKinley	432	230	53.2%	28.4%	Racial Imbalance
Mill Hill	347	70	20.2%	-4.6%	-
North Stratfield	380	92	24.2%	-0.6%	-
Osborn Hill	423	80	18.9%	-5.9%	-
Riverfield	414	63	15.2%	-9.6%	-
Sherman	470	68	14.5%	-10.3%	-
Stratfield	406	85	20.9%	-3.9%	-
Total	4235	1050	24.8%	0.0%	

*Unofficial racial balance numbers and status. Presented for K-5 only*

McKinley **racially imbalanced** at 28.4% higher than K-5 district average  
Holland Hill **impending imbalance** at 15.0% higher than K-5 district average



# Projections Comparison

## Elementary School

Grade	17-18	17-18	Difference
	Actual	Projected	
K	631	637	(6)
1	674	668	6
2	697	681	16
3	719	715	4
4	771	778	(7)
5	743	741	2
K-5 Total	4,235	4,220	15

## Middle School

Grade	17-18	17-18	Difference
	Actual	Projected	
6	893	890	3
7	778	781	(3)
8	787	772	15
6-8 Total	2,458	2,443	15

## High School

Grade	17-18	17-18	Difference
	Actual	Projected	
9	762	746	16
10	721	720	1
11	775	777	(2)
12	803	783	20
9-12 Total	3,061	3,026	35

## District

Grade	17-18	17-18	Difference
	Actual	Projected	
K-12 Total	9,754	9,689	65

Overall district enrollments are within 0.7% of projections

Elementary enrollments are within 0.4% of projections



# Projected Enrollment

K-5 Actual and Projected Enrollment by Grade: 2012-13 to 2021-22

		School Year	Birth Yr	Births	K	1	2	3	4	5	K-5 Total
Actual	{	2012-13	2007	610	683	841	774	742	820	770	4,630
		2013-14	2008	598	723	703	858	778	749	824	4,635
		2014-15	2009	585	686	751	711	870	783	756	4,557
		2015-16	2010	515	649	693	759	730	873	774	4,478
		2016-17	2011	505	646	675	705	772	737	886	4,421
Projected	{	2017-18	2012	474	637	668	681	715	778	741	4,220
		2018-19	2013	504	665	659	674	691	721	782	4,192
		2019-20	2014	565	683	688	665	684	697	725	4,142
		2020-21	2015	509	672	706	694	675	690	701	4,138
		2021-22	2016	530	673	695	712	704	681	694	4,159

*Does not include Pre-K enrollment*

 Births for 2016 were estimated using a regression model

Elementary school enrollments projected to bottom out around 2020

**Enrollment projections from 2016**  
**Currently being updated with October 1, 2017 data**



# Projected Enrollment

**6-8 Actual and Projected  
Enrollment by Grade: 2012-13 to 2021-22**

		School Year	6	7	8	6-8 Total
Actual	{	2012-13	863	857	827	2,547
		2013-14	780	852	865	2,497
		2014-15	808	790	851	2,449
		2015-16	765	815	795	2,375
		2016-17	776	770	805	2,351
Projected	{	2017-18	890	781	772	2,443
		2018-19	744	896	783	2,423
		2019-20	785	749	898	2,432
		2020-21	728	790	751	2,269
		2021-22	704	733	792	2,229

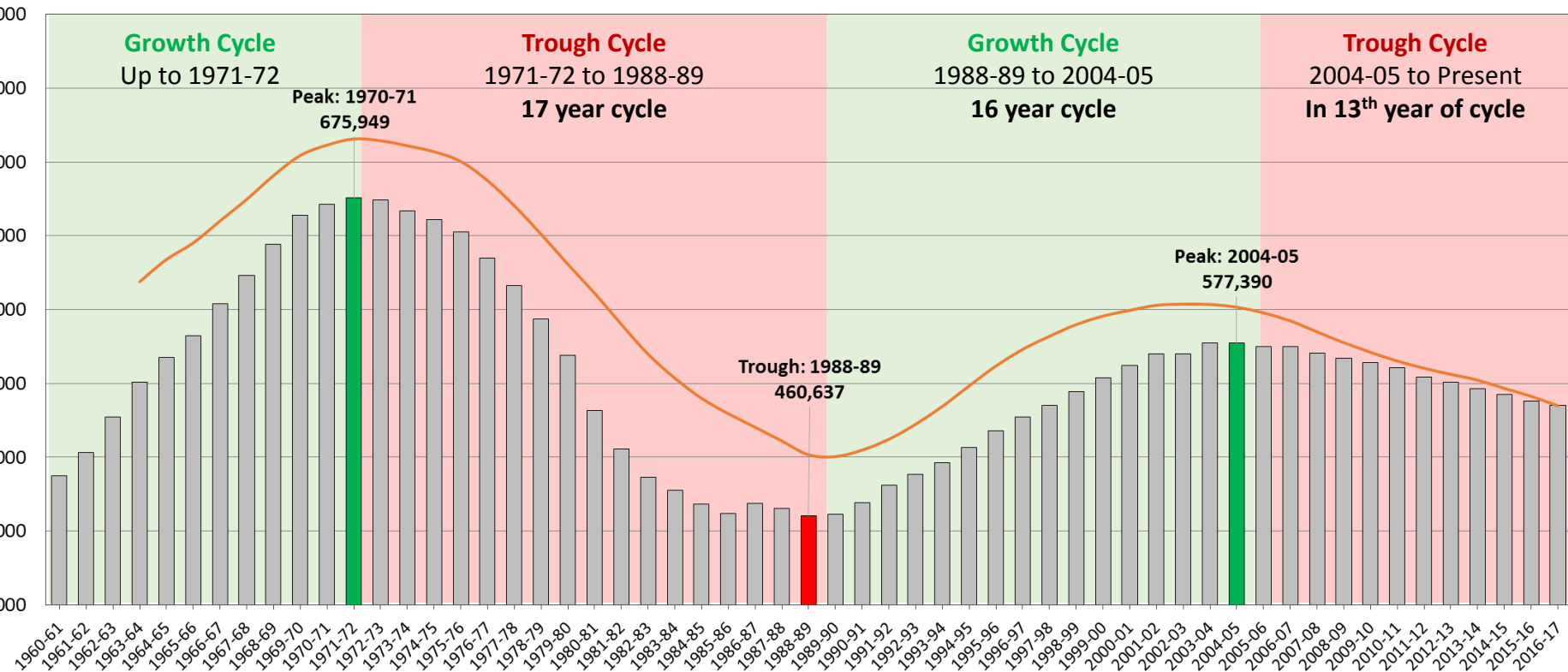
Middle School  
enrollments  
projected to decline  
through 2021-22

**Enrollment projections from 2016  
Currently being updated with October 1, 2017 data**



# Projected Enrollment

Public School Enrollment in Connecticut: 1960 to 2016



Data Sources: 1960-61 through 2014-15 data provided by the National Center for Education Statistics - Enrollment in Public Elementary and Secondary Schools, by State  
2014-15 through 2016-17 enrollment data is estimated based on Connecticut State Department of Education enrollment.

**“Baby Boom”** enters school – enrollments surge in the 1960s

**“Baby Bust”** of the late 1960s and 1970s enters school and leads to enrollment declines

**“Echo Boom”** (millennials) begin entering school, leading to another growth cycle

**“Echo Bust”** in 13<sup>th</sup> year of cycle – are we nearing the end of a cycle?



# Scenario Planning

## Methodology and Assumptions

- All scenarios were tested using October 1, 2017 enrollment data – students were reassigned to hypothetical boundaries
  - Ten-year enrollment projections will be developed for up to two scenarios to test long-term viability
- Used operational capacity – the capacity for each school building that takes district-wide programs into consideration. Assumes all portables are taken off-line
- Noted when CLC and Pre-K classrooms need to be shifted and which schools have the most space to house these programs
- Utilized new Holland Hill school capacity of 504 students

**Scenarios are not recommendations, but are informational exercises meant to help the BOE assess feasibility of different actions and quantify impacts associated with those actions**



# Scenario Planning

## Scenarios that were evaluated but determined not to be feasible

- Move 6<sup>th</sup> grade down to the elementary schools – would result in elementary schools being over capacity
- Can a school be closed? Mill Hill Test Fit – lack of available space at surrounding schools means that this scenario is **not feasible without comprehensive redistricting of all elementary schools**





# Scenario Planning

## Scenarios that were analyzed in greater detail to determine feasibility

- |                    |   |
|--------------------|---|
| <b>Scenario A:</b> | Can a school be closed? Jennings Test Fit   |
| <b>Scenario B:</b> | Can a school be closed? Dwight Test Fit   |
| <b>Scenario C:</b> | Can overcrowding at Roger Sherman be improved through pocket redistricting?                                     |
| <b>Scenario D:</b> | Can we improve racial balance at McKinley through school pairing?   |
| <b>Scenario E:</b> | Can we improve racial balance at McKinley through pocket redistricting?   |
| <b>Scenario F:</b> | Does moving 5 <sup>th</sup> grade up to the Middle Schools make it more feasible to close an elementary school? |



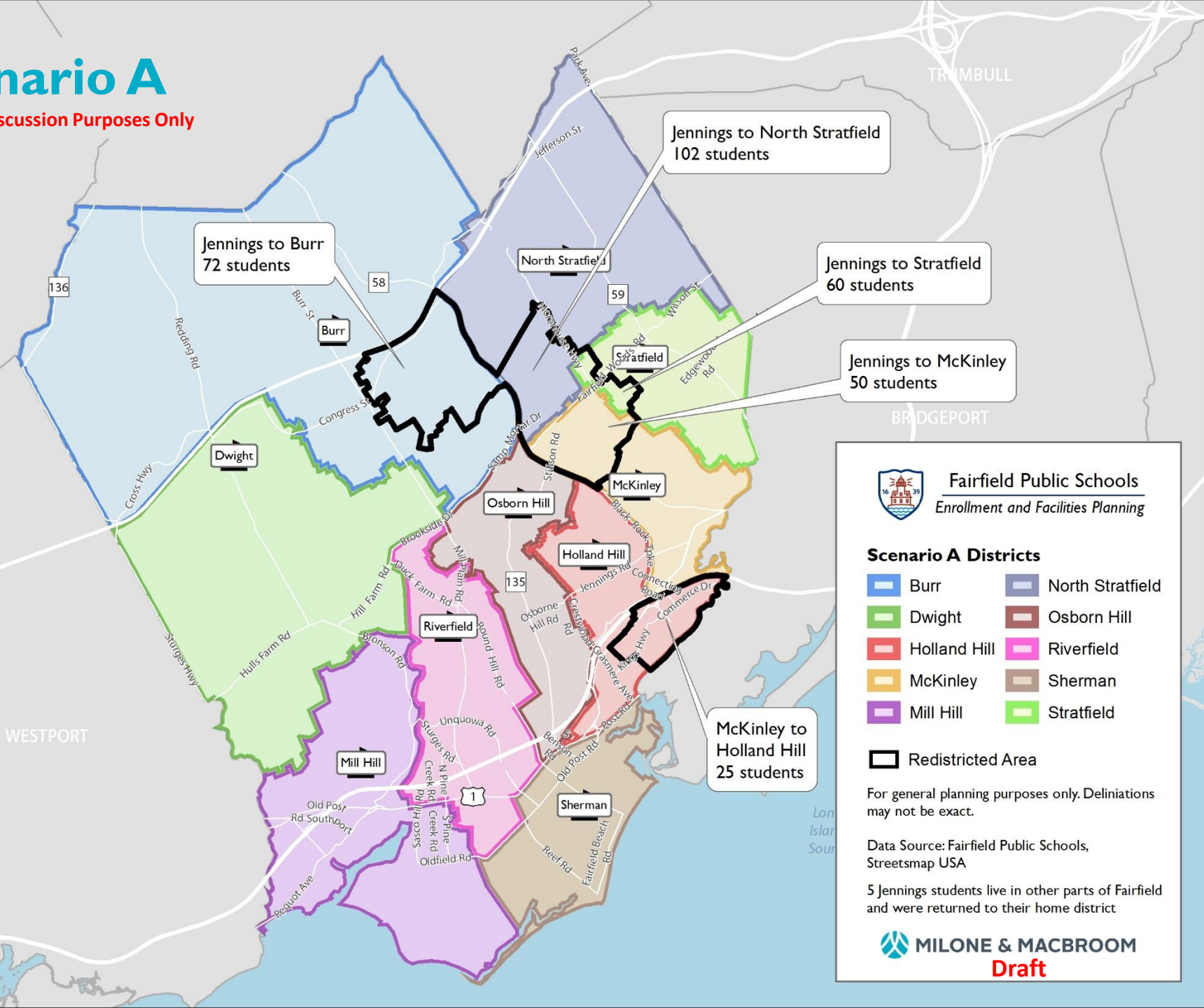
# Scenario A

## **Close Jennings**

- Jennings students redistricted to Burr, Stratfield, North Stratfield and McKinley
- Pocket redistricting between McKinley and Holland Hill to address racial balance and fill out new Holland Hill school

# Scenario A

Draft for Discussion Purposes Only



**Fairfield Public Schools**  
*Enrollment and Facilities Planning*

## Scenario A Districts

Burr	North Stratfield
Dwight	Osborn Hill
Holland Hill	Riverfield
McKinley	Sherman
Mill Hill	Stratfield

## Redistricted Area

For general planning purposes only. Delineiations may not be exact.

Data Source: Fairfield Public Schools, Streetsmap USA

5 Jennings students live in other parts of Fairfield and were returned to their home district



**MILONE & MACBROOM**

**Draft**



# Scenario A Enrollment

## Enrollment and Capacity

School	K	1	2	3	4	5	K-5 Total	Operational Capacity <sup>2,3</sup>	Percent Utilization
Burr	67	72	74	76	87	76	452	470	96.2%
Dwight	37	52	55	59	59	53	315	365	86.3%
Holland Hill <sup>1</sup>	65	54	75	70	68	76	408	504	81.0%
Jennings	CLOSED								
McKinley	59	90	74	80	80	74	457	504	90.7%
Mill Hill (without portables)	53	59	62	61	50	62	347	273	127.1%
North Stratfield	80	68	70	86	95	83	482	504	95.6%
Osborn Hill	71	62	59	64	83	84	423	478	88.5%
Riverfield	72	58	72	72	70	71	415	504	82.3%
Sherman	59	82	86	66	93	84	470	462	101.7%
Stratfield	68	77	70	85	86	80	466	462	100.9%
<b>Total</b>	<b>631</b>	<b>674</b>	<b>697</b>	<b>719</b>	<b>771</b>	<b>743</b>	<b>4,235</b>	<b>4,526</b>	<b>93.6%</b>

1. Based on planned capacity for the new Holland Hill School

2. Operational capacity does not include portable classrooms

3. Operational capacity takes into consideration the placement of district-wide programs such as Pre-K and CLC

Based on October 1, 2017 enrollment data



# Scenario A Enrollment

## Racial Balance

School	Total K-5 Students	Minority Students	Percent Minority	Absolute Imbalance	Racial Balance Status
Burr	452	114	25.2%	0.4%	-
Dwight	315	44	14.0%	-10.8%	-
Holland Hill	408	166	40.7%	15.9%	Impending
Jennings	CLOSED				
McKinley	457	222	48.6%	23.8%	Impending
Mill Hill	347	70	20.2%	-4.6%	-
North Stratfield	482	112	23.2%	-1.6%	-
Osborn Hill	423	80	18.9%	-5.9%	-
Riverfield	415	64	15.4%	-9.4%	-
Sherman	470	68	14.5%	-10.3%	-
Stratfield	466	110	23.6%	-1.2%	-
Total	4,235	1,050	24.8%	0.0%	

*Unofficial racial balance numbers and status*

Based on October 1, 2017 enrollment data

McKinley (23.8%) and Holland Hill (15.9%) both **impending imbalance**. Racial imbalance at McKinley is lowered by 4.6% due to influx of Jennings students and Holland Hill pocket redistricting



# Scenario A

## Takeaways

- Feasible option once Holland Hill construction project is complete
- Jennings centrally located near other elementary schools – requires the movement of fewer students
- Addresses racial balance at McKinley. However school remains close to 25% threshold. May not be a sustainable long-term solution
- Does not address overcrowding at Sherman
- 314 K-5 students would be redistricted (7.4% of elementary students)
- Jennings CLC classroom needs to be relocated. Stratfield CLC and Pre-K classrooms need to be relocated in order for this option to be feasible
  - New Holland Hill would have excess space to house these programs. Other options are Osborn Hill and Riverfield
- Impacts the middle school feeder pattern
- District-wide utilization of 93.6% supports larger construction project at Mill Hill (504 student building)



# Scenario B

## Close Dwight

- Dwight students redistricted to Burr, Osborn Hill, and North Stratfield
- Many small pocket redistricting areas necessary in order to balance enrollments across other schools
- Schools surrounding Dwight don't have as many available seats compared to Jennings



# Scenario B

Draft for Discussion Purposes Only

Burr to Osborn Hill  
86 students

Burr to North Stratfield  
22 students

Dwight to North Stratfield  
21 students

Dwight to Burr  
216 students

Dwight to Riverfield  
48 students

Osborn Hill to  
Holland Hill  
78 students



**Fairfield Public Schools**  
*Enrollment and Facilities Planning*

## Scenario B Districts

Burr	North Stratfield
Holland Hill	Osborn Hill
Jennings	Riverfield
McKinley	Sherman
Mill Hill	Stratfield

Redistricted Area

For general planning purposes only. Delineations may not be exact.

Data Source: Fairfield Public Schools,  
Streetsmap USA

30 Dwight students live in other parts of Fairfield  
and were returned to their home district



**MILONE & MACBROOM**

**Draft**





# Scenario B Enrollment

## Enrollment and Capacity

School	K	1	2	3	4	5	K-5 Total	Operational Capacity <sup>2, 3</sup>	Percent Utilization
Burr	64	83	74	87	93	87	488	470	103.8%
Dwight	CLOSED								
Holland Hill <sup>1</sup>	73	64	80	79	79	85	460	504	91.3%
Jennings	40	43	48	59	59	42	291	365	79.7%
McKinley	57	89	69	74	77	74	440	504	87.3%
Mill Hill (without portables)	53	60	66	63	52	63	357	273	130.8%
North Stratfield	68	58	66	75	83	73	423	504	83.9%
Osborn Hill	77	65	66	60	86	81	435	478	91.0%
Riverfield	79	65	80	83	75	80	462	504	91.7%
Sherman	60	82	86	67	94	84	473	462	102.4%
Stratfield	60	65	62	72	73	74	406	462	87.9%
<b>Total</b>	<b>631</b>	<b>674</b>	<b>697</b>	<b>719</b>	<b>771</b>	<b>743</b>	<b>4,235</b>	<b>4,526</b>	<b>93.6%</b>

1. Based on planned capacity for the new Holland Hill School

2. Operational capacity does not include portable classrooms

3. Operational capacity takes into consideration the placement of district-wide programs such as Pre-K and CLC

Based on October 1, 2017 enrollment data



# Scenario B Enrollment

## Racial Balance

School	Total K-5 Students	Minority Students	Percent Minority	Absolute Imbalance	Racial Balance Status
Burr	488	90	18.4%	-6.4%	-
<b>Dwight</b>	<b>CLOSED</b>				
Holland Hill	460	166	36.1%	11.3%	-
Jennings	291	73	25.1%	0.3%	-
McKinley	440	235	53.4%	<b>28.6%</b>	<b>Racial Imbalance</b>
Mill Hill	357	72	20.2%	-4.6%	-
North Stratfield	423	112	26.5%	1.7%	-
Osborn Hill	435	79	18.2%	-6.6%	-
Riverfield	462	68	14.7%	-10.1%	-
Sherman	473	70	14.8%	-10.0%	-
Stratfield	406	85	20.9%	-3.9%	-
<b>Total</b>	<b>4,235</b>	<b>1,050</b>	<b>24.8%</b>	<b>0.0%</b>	

*Unofficial racial balance numbers and status*

Based on October 1, 2017 enrollment data

McKinley **racially imbalanced** at 28.6% higher than K-5 district average



# Scenario B

## Takeaways

- Dwight students are further from neighboring schools compared to Jennings – requires more movement of students and longer travel times
- Due to excessive travel times, likely not a favorable option unless Mill Hill is expanded
- Does not address racial balance at McKinley
- Does not address overcrowding at Sherman
- 501 K-5 students would be redistricted (11.8% of elementary students)
- Dwight CLC classroom needs to be relocated. Burr CLC and Pre-K classrooms need to be relocated in order for this option to be feasible
  - North Stratfield, Osborn Hill, and Riverfield have the most space available space
- Impacts the middle school feeder pattern
- District-wide utilization of 93.6% supports larger construction project at Mill Hill (504 student building)



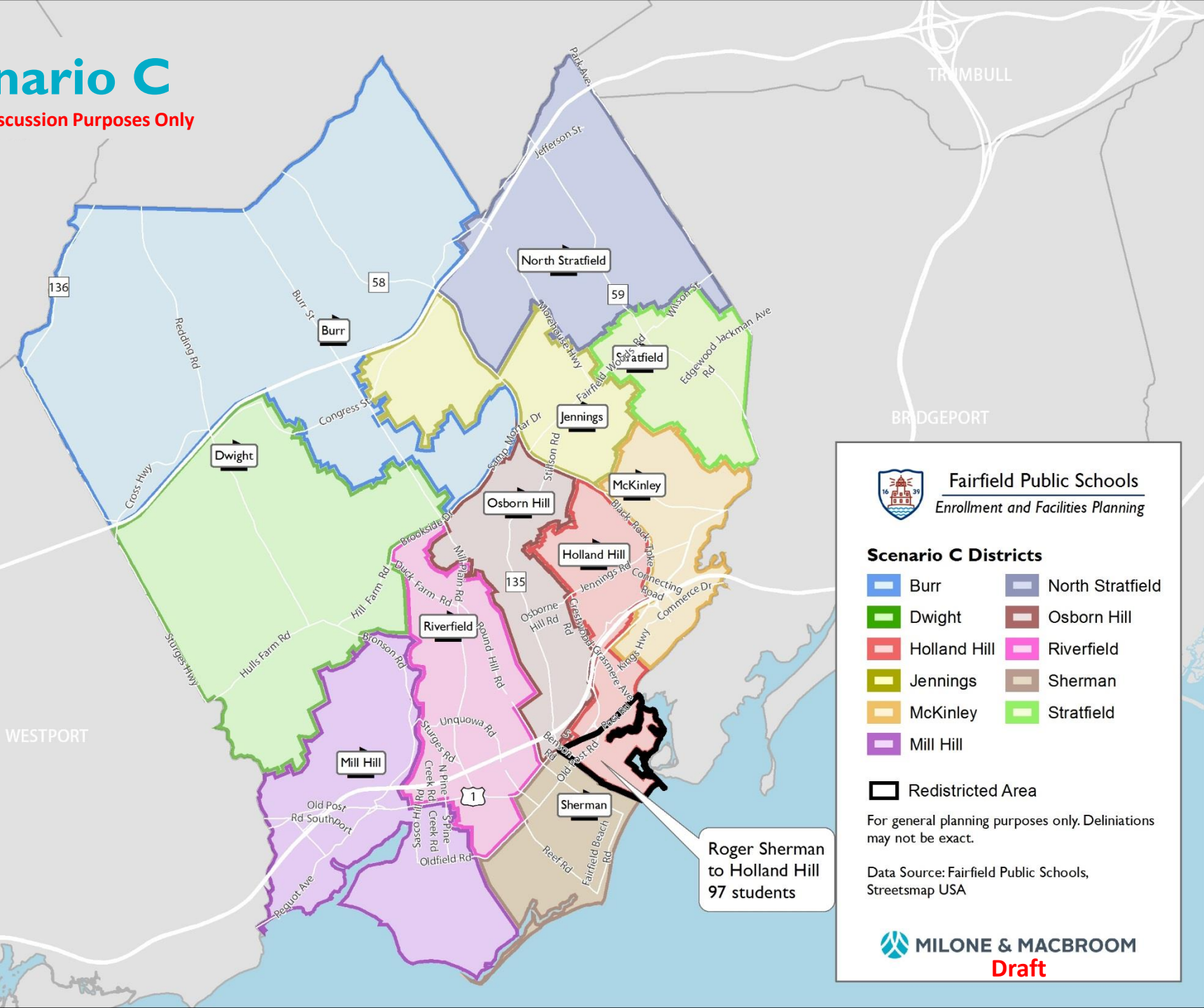
# Scenario C

## **Roger Sherman Pocket Redistricting**

- Pocket redistricting between Sherman and Holland Hill
- Fills out new Holland Hill school and alleviates overcrowding at Roger Sherman

# Scenario C

Draft for Discussion Purposes Only



Fairfield Public Schools  
Enrollment and Facilities Planning

## Scenario C Districts

	Burr		North Stratfield
	Dwight		Osborn Hill
	Holland Hill		Riverfield
	Jennings		Sherman
	McKinley		Stratfield
	Mill Hill		

Redistricted Area

For general planning purposes only. Delinations may not be exact.

Data Source: Fairfield Public Schools, Streetsmap USA



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# Scenario C Enrollment

## Enrollment and Capacity

School	K	1	2	3	4	5	K-5 Total	Operational Capacity <sup>2,3</sup>	Percent Utilization
Burr	57	64	65	58	72	64	380	470	80.9%
Dwight	37	52	55	59	59	53	315	365	86.3%
Holland Hill <sup>1</sup>	73	63	91	76	84	89	476	504	94.4%
Jennings	39	43	48	58	59	42	289	365	79.2%
McKinley	56	87	67	73	76	73	432	504	85.7%
Mill Hill (without portables)	53	59	62	61	50	62	347	273	127.1%
North Stratfield	65	54	53	69	73	66	380	504	75.4%
Osborn Hill	71	62	59	64	83	84	423	478	88.5%
Riverfield	72	58	72	72	70	70	414	504	82.1%
Sherman	48	67	63	57	72	66	373	462	80.7%
Stratfield	60	65	62	72	73	74	406	462	87.9%
<b>Total</b>	<b>631</b>	<b>674</b>	<b>697</b>	<b>719</b>	<b>771</b>	<b>743</b>	<b>4,235</b>	<b>4,891</b>	<b>86.6%</b>

1. Based on planned capacity for the new Holland Hill School

2. Operational capacity does not include portable classrooms

3. Operational capacity takes into consideration the placement of district-wide programs such as Pre-K and CLC

Based on October 1, 2017 enrollment data



# Scenario C Enrollment

## Racial Balance

School	Total K-5 Students	Minority Students	Percent Minority	Absolute Imbalance	Racial Balance Status
Burr	380	94	24.7%	-0.1%	-
Dwight	315	44	14.0%	-10.8%	-
Holland Hill	476	166	34.9%	10.1%	-
Jennings	289	73	25.3%	0.5%	-
McKinley	432	230	53.2%	<b>28.4%</b>	<b>Racial Imbalance</b>
Mill Hill	347	70	20.2%	-4.6%	-
North Stratfield	380	92	24.2%	-0.6%	-
Osborn Hill	423	80	18.9%	-5.9%	-
Riverfield	414	63	15.2%	-9.6%	-
Sherman	373	53	14.2%	-10.6%	-
Stratfield	406	85	20.9%	-3.9%	-
<b>Total</b>	<b>4,235</b>	<b>1,050</b>	<b>24.8%</b>	<b>0.0%</b>	

*Unofficial racial balance numbers and status*

Based on October 1, 2017 enrollment data

McKinley **racially imbalanced** at 28.4% higher than K-5 district average



# Scenario C

## Takeaways

- Feasible option once Holland Hill construction project is complete.
- Fills out new Holland Hill school. Sherman utilization drops to about 80%
- Does not address racial balance at McKinley
- 97 K-5 students would be redistricted (2.3% of elementary students)
- Minimal impacts to the middle school feeder pattern
- Pocket redistricting could be combined with other scenarios
- District-wide utilization of 86.6% aligns with smaller construction project at Mill Hill (378 student building)





# Scenario D

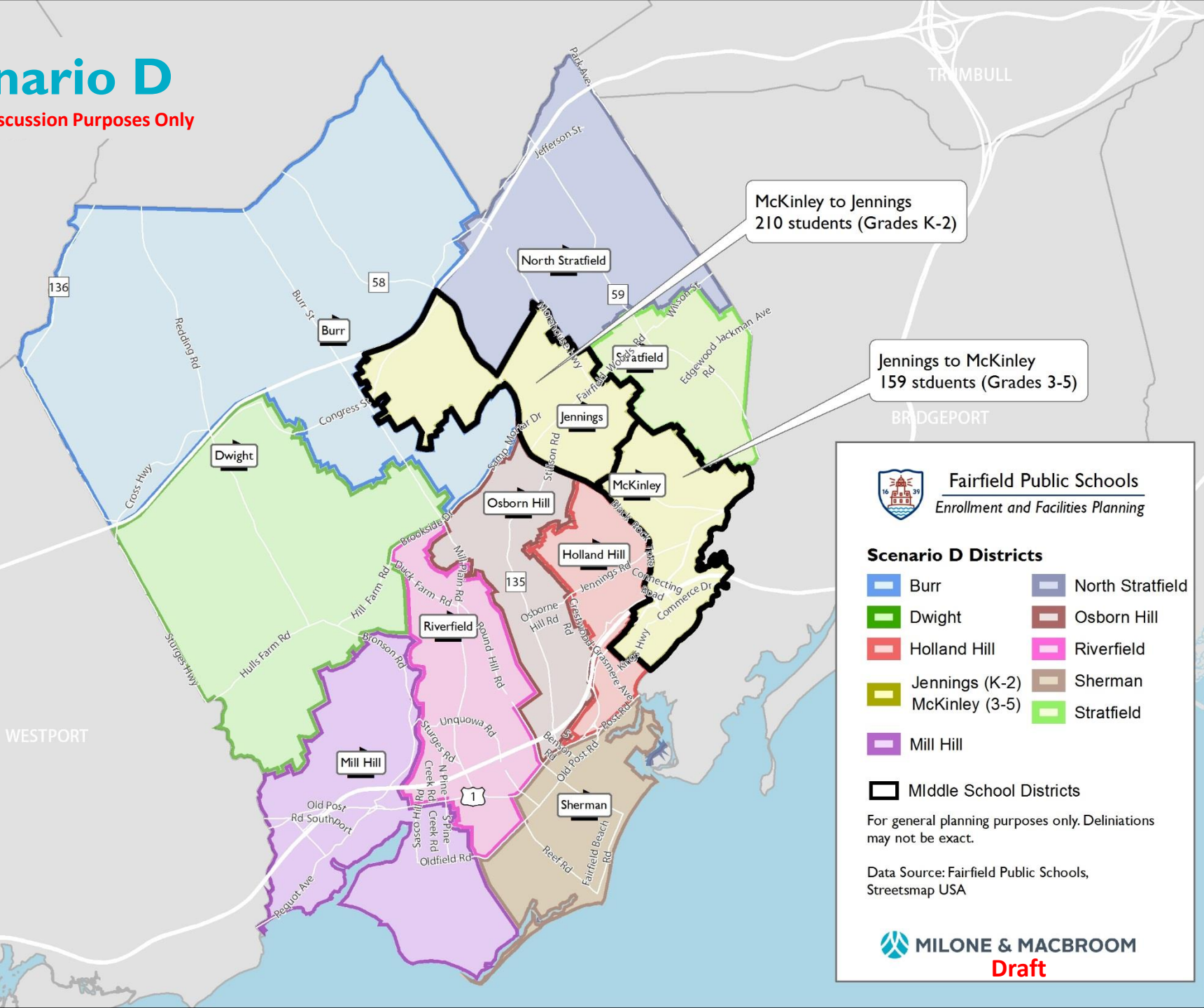
## Can School Pairing at McKinley Alleviate Racial Imbalance and Gain Cost Efficiencies through Maximizing Classroom Sections?

### Jennings and McKinley

- Jennings (K-2) and McKinley (3-5) paired together due to proximity to one another. Jennings building layout (one-story) aligns with state building code requirements for Kindergarten and 1<sup>st</sup> grade
- The size discrepancy between Jennings and McKinley results inefficient utilization of space
  - Jennings (smaller building) houses grades K through 2
  - McKinley houses grades 3 through 5
- State law calculates racial balance based on like grades. **Jennings would be compared to K-2 district average** and **McKinley would be compared to 3-5 district average**

# Scenario D

Draft for Discussion Purposes Only





# Scenario D Enrollment

## Enrollment and Capacity

School	K	1	2	3	4	5	K-5 Total	Operational Capacity <sup>2,3</sup>	Percent Utilization
Burr	57	64	65	58	72	64	380	470	80.9%
Dwight	37	52	55	59	59	53	315	365	86.3%
Holland Hill <sup>1</sup>	62	48	68	67	63	71	379	504	75.2%
Jennings	95	130	115	-	-	-	340	365	93.2%
McKinley	-	-	-	131	135	115	381	504	75.6%
Mill Hill (without portables)	53	59	62	61	50	62	347	273	127.1%
North Stratfield	65	54	53	69	73	66	380	504	75.4%
Osborn Hill	71	62	59	64	83	84	423	478	88.5%
Riverfield	72	58	72	72	70	70	414	504	82.1%
Sherman	59	82	86	66	93	84	470	462	101.7%
Stratfield	60	65	62	72	73	74	406	462	87.9%
<b>Total</b>	<b>631</b>	<b>674</b>	<b>697</b>	<b>719</b>	<b>771</b>	<b>743</b>	<b>4,235</b>	<b>4,891</b>	<b>86.6%</b>

1. Based on planned capacity for the new Holland Hill School

2. Operational capacity does not include portable classrooms

3. Operational capacity takes into consideration the placement of district-wide programs such as Pre-K and CLC

Based on October 1, 2017 enrollment data



# Scenario D Enrollment

## Racial Balance

School	Total K-5 Students	Minority Students	Percent Minority	Absolute Imbalance	Racial Balance Status
Burr	380	94	24.7%	-0.1%	-
Dwight	315	44	14.0%	-10.8%	-
Holland Hill	379	151	39.8%	<b>15.0%</b>	<b>Impending</b>
Jennings (K-2) <sup>1</sup>	340	148	43.5%	<b>17.3%</b>	<b>Impending</b>
McKinley (3-5) <sup>2</sup>	381	155	40.7%	<b>17.2%</b>	<b>Impending</b>
Mill Hill	347	70	20.2%	-4.6%	-
North Stratfield	380	92	24.2%	-0.6%	-
Osborn Hill	423	80	18.9%	-5.9%	-
Riverfield	414	63	15.2%	-9.6%	-
Sherman	470	68	14.5%	-10.3%	-
Stratfield	406	85	20.9%	-3.9%	-
<b>K-5 District Total</b>	<b>4,235</b>	<b>1,050</b>	<b>24.8%</b>	<b>0.0%</b>	
<b>K-2 District Total</b>	<b>2,002</b>	<b>525</b>	<b>26.2%</b>	<b>0.0%</b>	
<b>3-5 District Total</b>	<b>2,233</b>	<b>525</b>	<b>23.5%</b>	<b>0.0%</b>	

1. Jennings absolute imbalance is calculated based on the K-2 district average

2. McKinley absolute imbalance is calculated based on 3-5 district average

Unofficial racial balance numbers and status

Based on October 1, 2017 enrollment data



# Scenario D

## Takeaways

- Feasible option to achieve racial balance
- Three schools would be in the “impending imbalance” category, but all would be under 20%. Likely sustainable in the long-term
- Moves 369 students (8.7% of K-5 students)
- Low utilization at McKinley due to larger building – could house ECC and/or district CLC program to free up space at other schools
- Creates an additional transition for Jennings and McKinley students
- **Possible impacts to the Middle School feeder pattern – Jennings and McKinley currently attend different Middle Schools**
- District-wide utilization of 86.6% aligns with smaller construction project at Mill Hill (378 student building)



# Scenario D2

## **Can School Pairing at McKinley Alleviate Racial Imbalance and Gain Cost Efficiencies through Maximizing Classroom Sections?**

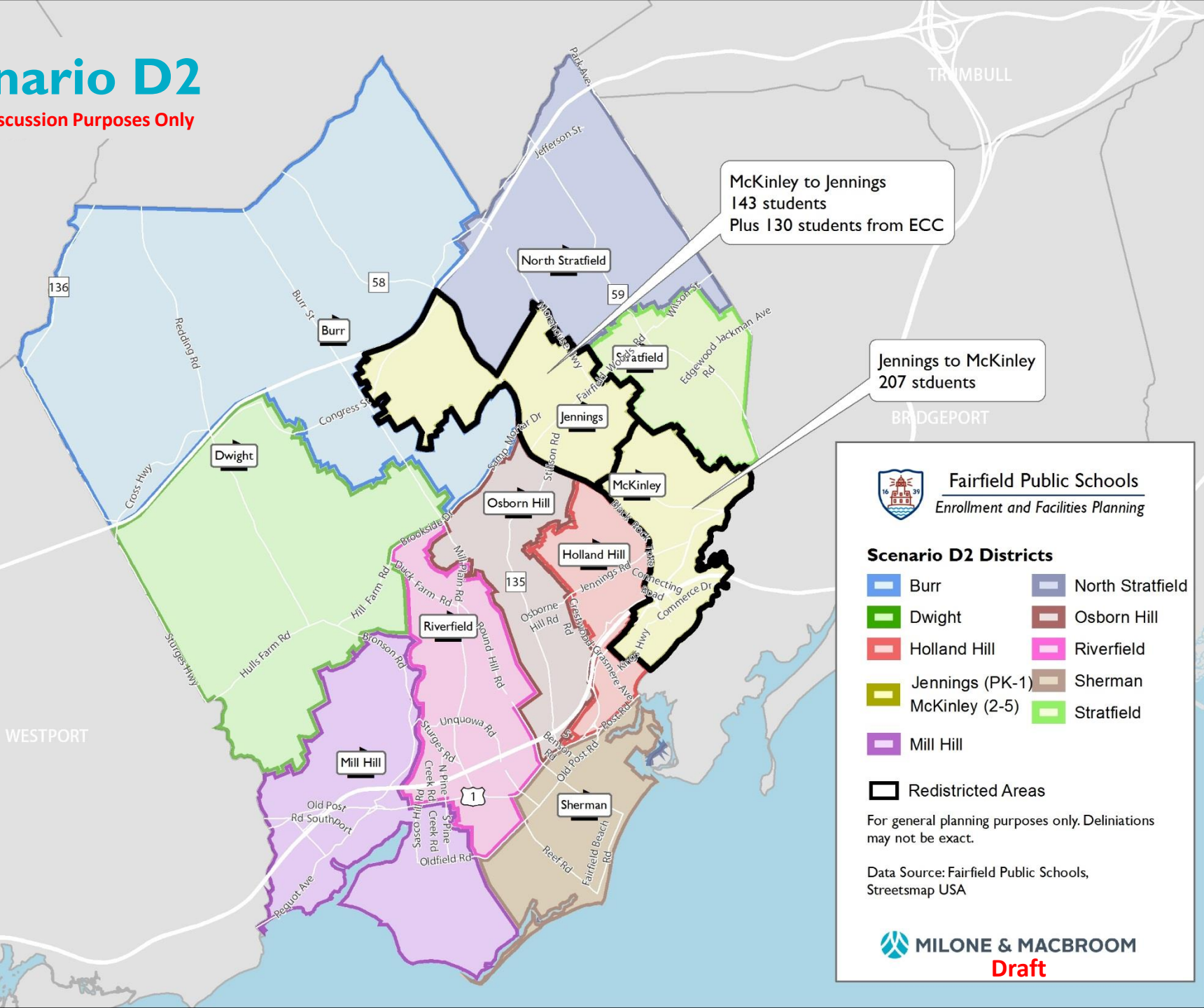
### **Jennings and McKinley with ECC Transferred to Jennings**

- Jennings (PK-1) and McKinley (2-5) paired together due to proximity to one another. Jennings building layout (one-story) aligns with state building code requirements for Pre-K, Kindergarten, and 1<sup>st</sup> grade.
- Size discrepancy between Jennings and McKinley - McKinley houses more grades while ECC moves to Jennings from Fairfield Warde
  - Jennings (smaller building) houses grades PK through 1
  - McKinley houses grades 2 through 5
  - Alternative High School moves to former ECC space at Fairfield Warde
- State law calculates racial balance based on like grades. Jennings would be compared to PK-1 district average and McKinley would be compared to 2-5 district average



# Scenario D2

Draft for Discussion Purposes Only





# Scenario D2 Enrollment

## Enrollment and Capacity

School	ECC	K	1	2	3	4	5	PK-5 Total	Operational Capacity <sup>2,3</sup>	Percent Utilization
Burr	-	57	64	65	58	72	64	380	470	80.9%
Dwight	-	37	52	55	59	59	53	315	365	86.3%
Holland Hill <sup>1</sup>	-	62	48	68	67	63	71	379	504	75.2%
Jennings	130	95	130	-	-	-	-	355	365	97.3%
McKinley	-	-	-	115	131	135	115	496	504	98.4%
Mill Hill (without portables)	-	53	59	62	61	50	62	347	273	127.1%
North Stratfield	-	65	54	53	69	73	66	380	504	75.4%
Osborn Hill	-	71	62	59	64	83	84	423	478	88.5%
Riverfield	-	72	58	72	72	70	70	414	504	82.1%
Sherman	-	59	82	86	66	93	84	470	462	101.7%
Stratfield	-	60	65	62	72	73	74	406	462	87.9%
<b>Total</b>	<b>130</b>	<b>631</b>	<b>674</b>	<b>697</b>	<b>719</b>	<b>771</b>	<b>743</b>	<b>4,365</b>	<b>4,891</b>	<b>89.2%</b>

1. Based on planned capacity for the new Holland Hill School

2. Operational capacity does not include portable classrooms

3. Operational capacity takes into consideration the placement of district-wide programs such as Pre-K and CLC

**Only includes PK students who transfer from the ECC to Jennings**

Based on October 1, 2017 enrollment data





# Scenario D2 Enrollment

## Racial Balance

School	Total K-5 Students	Minority Students	Percent Minority	Absolute Imbalance	Racial Balance Status
Burr	380	94	24.7%	-0.1%	-
Dwight	315	44	14.0%	-10.8%	-
Holland Hill	379	151	39.8%	15.0%	Impending
Jennings (PK-1) <sup>1</sup>	355	145	40.8%	12.8%	
McKinley (2-5) <sup>2</sup>	496	202	40.7%	16.7%	Impending
Mill Hill	347	70	20.2%	-4.6%	-
North Stratfield	380	92	24.2%	-0.6%	-
Osborn Hill	423	80	18.9%	-5.9%	-
Riverfield	414	63	15.2%	-9.6%	-
Sherman	470	68	14.5%	-10.3%	-
Stratfield	406	85	20.9%	-3.9%	-
<b>K-5 District Total</b>	<b>4,235</b>	<b>1,050</b>	<b>24.8%</b>	<b>0.0%</b>	
<b>PK-1 District Total</b>	<b>2,002</b>	<b>525</b>	<b>28.0%</b>	<b>0.0%</b>	
<b>2-5 District Total</b>	<b>2,233</b>	<b>525</b>	<b>24.0%</b>	<b>0.0%</b>	

1. Jennings absolute imbalance is calculated based on the PK-1 district average

2. McKinley absolute imbalance is calculated based on 2-5 district average

Unofficial racial balance numbers and status

Based on October 1, 2017 enrollment data



# Scenario D2

## Takeaways

- ECC moves to Jennings, allowing the Alternative High School to move to the former ECC space at Fairfield Warde
- Feasible option to achieve racial balance. Two schools would be in the “impending imbalance” category, but would be under 20%. Likely sustainable in the long-term
- Moves 350 students (8.3% of K-5 students)
- High utilization at McKinley (98.4%)
- CLC program needs to be relocated out of Jennings
- Creates an additional transition for Jennings and McKinley students
- Possible impacts to the Middle School feeder pattern – Jennings and McKinley currently attend different Middle Schools
- District-wide utilization of 86.6% aligns with smaller construction project at Mill Hill (378 student building)

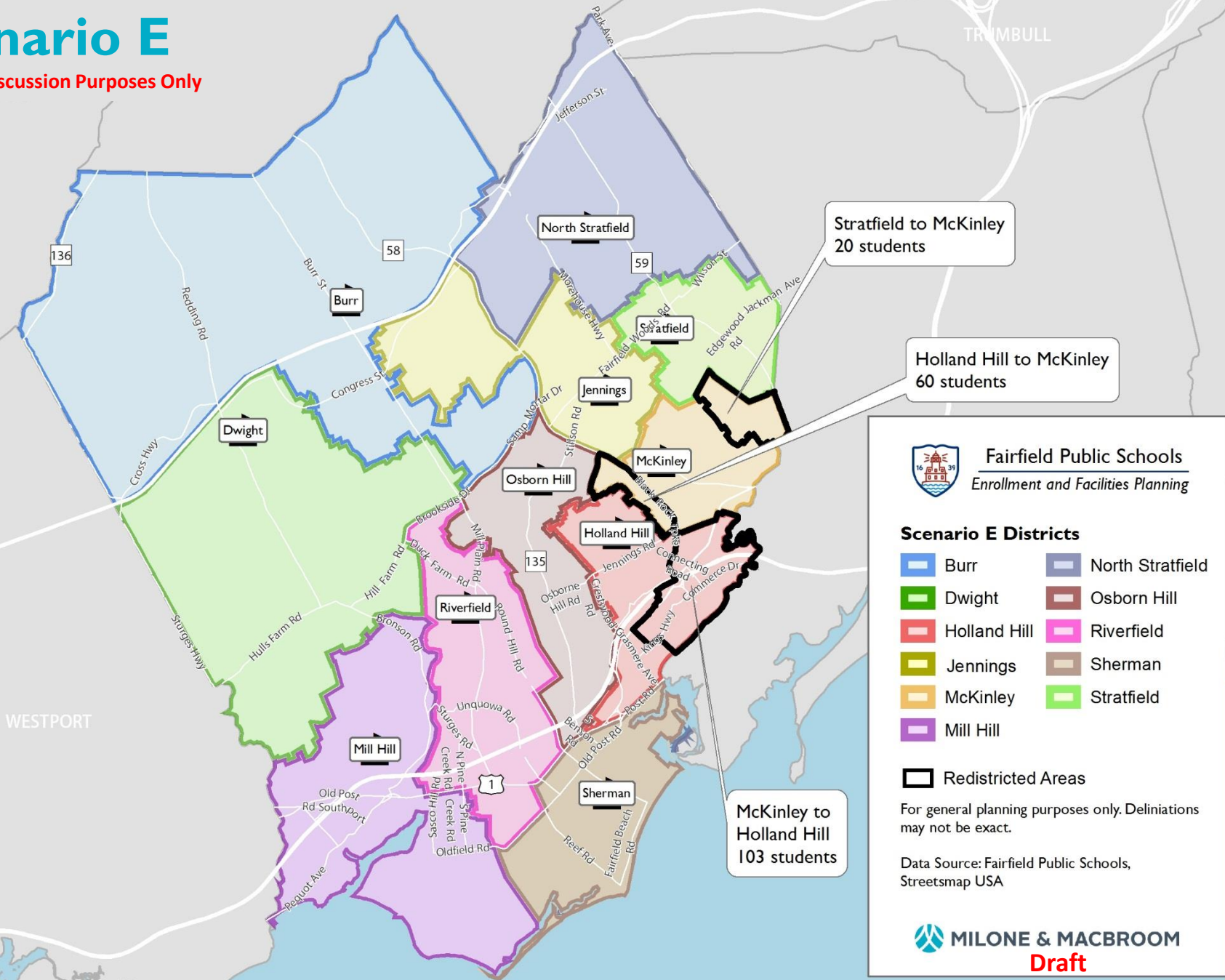


# Scenario E

## **Can Pocket Redistricting Improve Racial Balance at McKinley?**

- Southern part of McKinley district sent to Holland Hill. McKinley receives students from Holland Hill and Stratfield
- Puts more students in new Holland Hill school – could be combined with a smaller pocket redistricting with Sherman to alleviate overcrowding

**Draft for Discussion Purposes Only**





# Scenario E Enrollment

## Enrollment and Capacity

School	K	1	2	3	4	5	K-5 Total	Operational Capacity <sup>2, 3</sup>	Percent Utilization
Burr	57	64	65	58	72	64	380	470	80.9%
Dwight	37	52	55	59	59	53	315	365	86.3%
Holland Hill <sup>1</sup>	66	66	71	69	74	76	422	504	83.7%
Jennings	39	43	48	58	59	42	289	365	79.2%
McKinley	53	71	66	76	70	73	409	504	81.2%
Mill Hill (without portables)	53	59	62	61	50	62	347	273	127.1%
North Stratfield	65	54	53	69	73	66	380	504	75.4%
Osborn Hill	71	62	59	64	83	84	423	478	88.5%
Riverfield	72	58	72	72	70	70	414	504	82.1%
Sherman	59	82	86	66	93	84	470	462	101.7%
Stratfield	59	63	60	67	68	69	386	462	83.5%
<b>Total</b>	<b>631</b>	<b>674</b>	<b>697</b>	<b>719</b>	<b>771</b>	<b>743</b>	<b>4,235</b>	<b>4,891</b>	<b>86.6%</b>

1. Based on planned capacity for the new Holland Hill School

2. Operational capacity does not include portable classrooms

3. Operational capacity takes into consideration the placement of district-wide programs such as Pre-K and CLC

Based on October 1, 2017 enrollment data



# Scenario E Enrollment

## Racial Balance

School	Total K-5 Students	Minority Students	Percent Minority	Absolute Imbalance	Racial Balance Status
Burr	380	94	24.7%	-0.1%	
Dwight	315	44	14.0%	-10.8%	
Holland Hill	422	201	47.6%	<b>22.8%</b>	<b>Impending</b>
Jennings	289	73	25.3%	0.5%	
McKinley	409	184	45.0%	<b>20.2%</b>	<b>Impending</b>
Mill Hill	347	70	20.2%	-4.6%	
North Stratfield	380	92	24.2%	-0.6%	
Osborn Hill	423	80	18.9%	-5.9%	
Riverfield	414	63	15.2%	-9.6%	
Sherman	470	68	14.5%	-10.3%	
Stratfield	386	81	21.0%	-3.8%	
<b>Total</b>	<b>4,235</b>	<b>1,050</b>	<b>24.8%</b>	<b>-2.2%</b>	<b>0</b>

*Unofficial racial balance numbers and status*



# Scenario E

## Takeaways

- Gets McKinley to around 20% absolute imbalance. However, Holland Hill increases to about 23% imbalance. Likely not a sustainable long-term solution
- Does not address overcrowding at Sherman, although Holland Hill has enough space to accommodate 50-75 Sherman students if desired – could reduce imbalance at Holland Hill
- Moves 183 students (4.3% of K-5 students)
- District-wide utilization of 86.6% aligns with smaller construction project at Mill Hill (378 student building)



# Scenario F

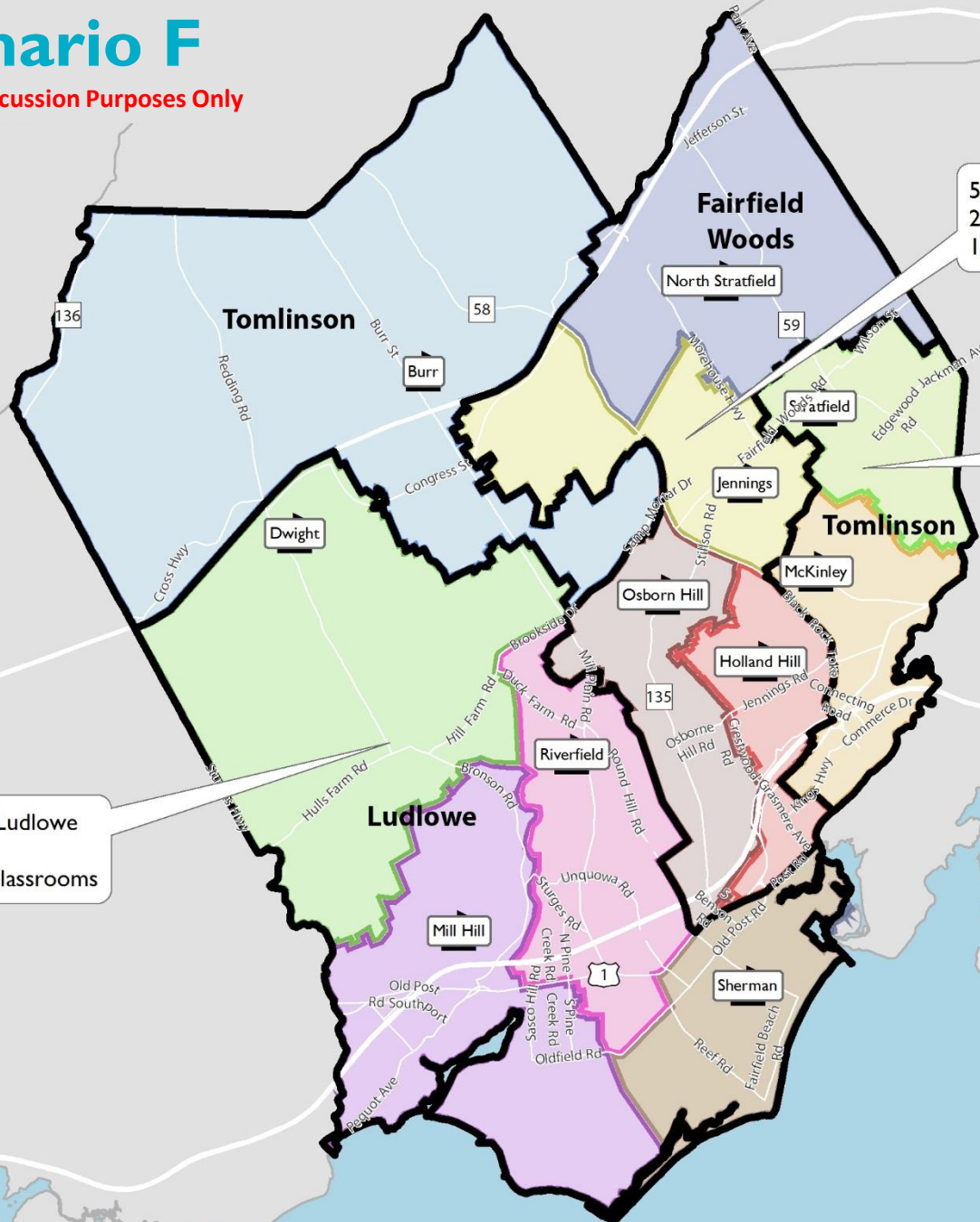
**Can 5<sup>th</sup> Grade Move up to the Middle Schools? Does this make it more feasible to close an elementary school?**

- 5<sup>th</sup> grade moved up to the middle schools and elementary schools reconfigured to a K-4 alignment



# Scenario F

Draft for Discussion Purposes Only



**Fairfield Public Schools**  
Enrollment and Facilities Planning

## Scenario F Districts

	Burr		North Stratfield
	Dwight		Osborn Hill
	Holland Hill		Riverfield
	Jennings		Sherman
	McKinley		Stratfield
	Mill Hill		

Middle School Districts

For general planning purposes only. Deliniations may not be exact.

Data Source: Fairfield Public Schools, Streetsmap USA



**MILONE & MACBROOM**

**Draft**



# Scenario F

## Middle School Impacts

- Assumed that 5<sup>th</sup> grade is housed in self-contained classrooms rather than utilizing a teaming structure.
- The following classrooms are needed based on 2017-18 5<sup>th</sup> grade enrollment:
  - Tomlinson: 11 classrooms needed
  - Fairfield Woods: 13 classrooms needed
  - Ludlowe: 13 classrooms needed
- Ideally 5<sup>th</sup> grade classrooms would be “blocked” together in a section of a building



# Middle School Capacity

## Middle School 5-8 Alignment Test Fit: 2017-18

School	Total Full-Size Classrooms	Building Capacity	6-8 Alignment		5-8 Alignment	
			2017-18 Enroll	Percent Utilization	2017-18 Enroll	Percent Utilization
Fairfield Woods	61	840	941	112.0%	1,204	143.3%
Roger Ludlowe	68	875	861	98.4%	1,130	129.1%
Tomlinson	51	700	656	93.7%	867	123.9%
<b>Total All Schools</b>	<b>180</b>	<b>2,415</b>	<b>2,458</b>	<b>101.8%</b>	<b>3,201</b>	<b>132.5%</b>

- Current 6-8 alignment is at over 100% utilization
- Utilization would increase to over 130% if 5<sup>th</sup> grade moved up to middle schools
- Enrollment in grades 5 through 8 would need to drop to 2,400 students in order to be feasible
  - Lowest projected 5-8 enrollment is 2,923 students in 2021-22 <sup>1</sup>

1. Based on 2016 enrollment projections. To be updated based on October 1, 2017 data



# Scenario F

## Takeaways

- Would require **37 5<sup>th</sup> grade classrooms** between the three middle schools based on 2017-18 enrollment
- Not a feasible option based on current and projected middle school enrollments



# Scenario Summaries

Scenario	Scenario A	Scenario B	Scenario C	Scenario D/D2	Scenario E	Scenario F
<b>Description</b>	Close Jennings	Close Dwight	Roger Sherman Pocket Redistricting	McKinley-Jennings School Pairing (K-2/3-5 or PK-1/2-5)	McKinley Pocket Redistricting	Switch to K-4 and 5-8 alignment
<b>Racial Balance Impacts</b>	McKinley becomes "impending", but remains close to 25%	None	None	Likely long-term solution to racial imbalance	McKinley and Holland Hill become "impending", but remain close to 25%	None
<b>Redistricting Impacts</b>	314 students (7.4% of K-5)	501 students (11.8% of K-5)	97 students (2.3% of K-5)	369 students (8.7% of K-5)	183 students (4.3% of K-5)	None
<b>Middle School Feeder Pattern Impacts</b>	Yes	Yes	Minimal	Yes	Minimal	None
<b>Enrollment Balance Impacts</b>	None, but can be combined with Scenario C	None	Alleviates overcrowding at Sherman	None, but can be combined with Scenario C	None	Alleviates overcrowding for K-5 but results in overcrowding at middle schools
<b>Mill Hill Construction Project Size</b>	Larger construction project (504 student building)	Larger construction project (504 student building)	Smaller construction project (378 student building)	Smaller construction project (378 student building)	Smaller construction project (378 student building)	N/A
<b>Feasibility</b>	Feasible once Holland Hill construction project complete	Feasible if Mill Hill is expanded to a 504-student school	Feasible once Holland Hill construction project complete	Feasible. PK-1/2-5 alignment may not be sustainable in long term	Not Feasible - not a long-term solution to racial balance	Not Feasible due to lack of space at middle schools

Feasible

Not Feasible