

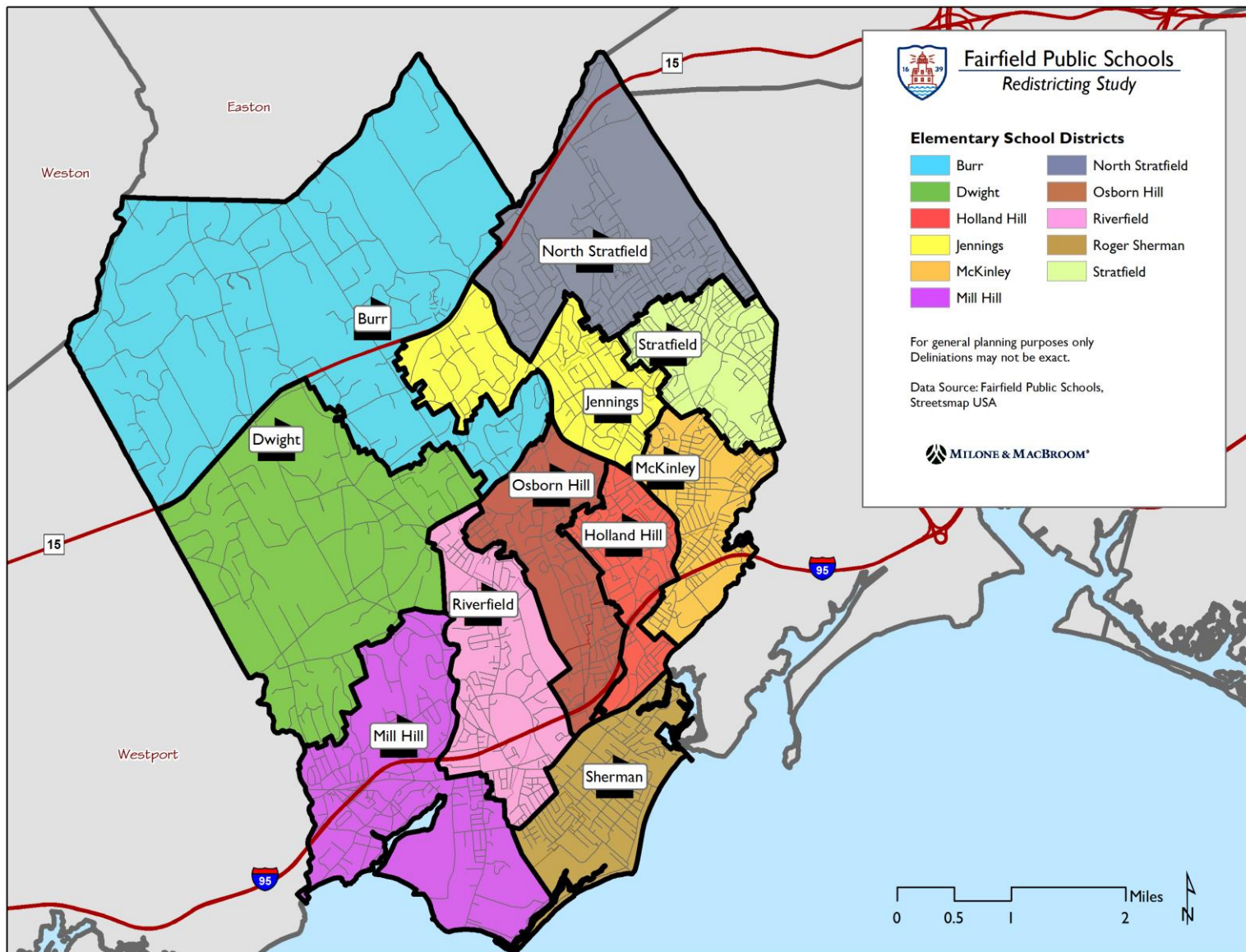


Conceptual Redistricting Options for Racial Balance Plan

February 16, 2016



Existing Districts





October 1, 2015 Enrollment

School	PK *	K	1	2	3	4	5	PK-5 Total
Burr	36	62	57	70	68	64	67	424
Dwight	36	47	50	50	52	63	48	346
Holland Hill	-	67	67	58	75	78	62	407
Jennings	-	43	49	56	41	76	55	320
McKinley	-	62	73	80	71	75	72	433
Mill Hill	-	46	65	56	61	87	67	382
North Stratfield	-	50	66	68	66	84	82	416
Osborn Hill	-	64	68	91	81	95	91	490
Riverfield	-	68	63	67	63	84	64	409
Roger Sherman	-	83	65	93	80	89	71	481
Stratfield	-	57	70	70	72	78	95	442
Total	72	649	693	759	730	873	774	4,550

* Pre-K Enrollment was set at 36 students each at Burr and Dwight, which is the targeted Pre-K program enrollment at each school.

Source: Fairfield Public Schools

- Enrollment shifts at Stratfield, North Stratfield & Osborn Hill with large 4th & 5th grade cohorts getting replaced by smaller K cohorts.



Connecticut's Racial Balance Law

CT General Statutes § 10-226

- Schools whose minority composition varies between 15% and 25% from the district's minority composition for the same grades are **impending racial imbalance**
 - District is notified of impending racial imbalance by CSDE, but not required to submit a racial balance plan.
- Schools whose minority composition varies by 25% or more from the district's minority composition are **racially imbalanced**
 - District must submit a plan to the CSDE addressing how imbalance will be corrected



K-5 Racial Balance Trends

School	Minority Composition by Year				4-Year Change
	2012-13	2013-14	2014-15	2015-16 ³	
Burr ¹	16.0%	16.1%	18.0%	19.9%	3.9%
Dwight ¹	14.0%	16.0%	14.7%	14.3%	0.3%
Holland Hill	32.4%	32.4%	33.2%	32.8%	0.5%
Jennings	17.2%	18.0%	19.4%	20.1%	2.8%
McKinley	43.4%	45.9%	49.1%	47.9%	4.5%
McKinley % Deviation	+24.4%	+26.5%	+28.6%	+27.2%	-
Mill Hill	14.2%	15.2%	13.1%	15.7%	1.5%
North Stratfield	19.4%	19.8%	22.0%	20.5%	1.1%
Osborn Hill	8.9%	11.2%	12.1%	14.5%	5.6%
Riverfield	13.0%	11.8%	12.3%	12.5%	-0.5%
Sherman	13.4%	13.8%	13.7%	14.0%	0.6%
Stratfield	17.2%	17.3%	19.1%	18.6%	1.4%
K-5 District Avg. ²	19.0%	19.4%	20.5%	20.7%	1.7%

Source: Connecticut SDE Racial Balance Tables: 2012-2014; Fairfield Public Schools, PSIS Enrollment: 2015

1. Includes Pre-K students at Burr and Dwight

2. District Average only includes K-5 students

3. Data for 2015-16 is unofficial

Racial Imbalance	Impending Imbalance
------------------	---------------------



Projections Primer

Cohort Survival Method

- Based on Cohort Survival Methodology - Standard method for enrollment projections
- Methodology accepted by CSDE School Construction Projects (CGS 10-283)
- The Cohort Survival Methodology relies on **observed data from the recent past in order to predict the near future**
- Methodology works well for stable populations, including communities that are growing or declining at a steady rate
- Recent instability in economic climate - Difficult time to predict enrollment



Projections Primer

Persistency Ratios

- Persistency ratios are calculated from historic enrollment data to determine growth or loss in a class as it progresses through school system
- Persistency ratios account for the various external factors affecting enrollments, including housing characteristics, residential development, economic conditions, student transfers in and out of the system, and student mobility
- Persistency Ratio of 1.0 means cohort size remains the same; 1.05 means the cohort size increases by 5%, or a cohort of 100 grows to 105 the following year
- Changes in population, housing stock and tenure, and economic conditions help explain persistency ratios



Projections Building Blocks

Starting Data

Critical to the overall accuracy of the projections, as each year builds upon the last.

District Projections

**Town of
Fairfield
Births**

*Obtained from CT
DPH*

**Historic
Enrollment
Trends**

*Obtained from FPS
and CT SDE*

Individual School Projections

**Geolocated
Birth Data**

*Obtained from CT
DPH and address
matched*

**Geolocated
Enrollment
Data**

*Obtained from FPS
and address matched*

Projection Assumptions

Several projection models are developed by applying different persistency ratios to building blocks

**5-Year
Average**

**3-Year
Average**

**3-Year
Weighted**

Blended

Demographic and Housing Data

Used to inform model selection

**Unemployment
(Town, Region)**

**Housing Permit
Activity**

**Home Sales
(1-family,
condos)**

**Women of Child-
Bearing Age +
Fertility Rates**

**Population
Projections &
Development
Capacity**



Birth Trends and Projections

Birth Projection Assumptions:

Births were calculated using multiple-regression analysis tied to local economic and housing conditions. Births were correlated with single-family home sales (from two years prior) and the town unemployment rate. Assumptions for both home sales and unemployment up to 2020 were used to calculate births from 2015 to 2020 as seen in the birth projections table.

Birth to K Persistency Ratio

Determines size of future Kindergarten classes from birth cohort 5-years prior. B-K ratio over 1.0 indicates in-migration of families with young children ready to enter school

Year	Birth-K
2009-10	1.1334
2010-11	1.1017
2011-12	1.1747
2012-13	1.1197
2013-14	1.2090
2014-15	1.1726
2015-16	1.2602

High Birth to K ratios over the last 3 years result in larger projected K classes. District will need to monitor B-K ratio to determine whether this trend will continue in future years

Birth Projections

Year	Births	Town Unemployment Rate	1-Family Home Sales (y-2)
2000	838	1.8	1155
2001	777	2.7	1136
2002	679	3.6	912
2003	757	4.5	857
2004	637	4.0	1003
2005	698	3.9	937
2006	681	3.5	1025
2007	610	3.6	943
2008	598	4.6	753
2009	585	7.4	809
2010	515	7.6	573
2011	505	7.3	500
2012	474	7.2	646
2013 *	503	6.5	512
2014 *	565	5.4	581
2015 proj.	580	5.3	629
2016 proj.	601	5.1	709
2017 proj.	607	5.0	719
2018 proj.	614	4.8	729
2019 proj.	621	4.7	739
2020 proj.	628	4.5	750

Sources: Birth data from CTDPH
Home sales from the Warren Group
Unemployment from CT Department of Labor

2013 and 2014 data is preliminary and was adjusted upwards to account for out-of-state births



District Projections

Fairfield Public Schools Enrollment Projections by Grade: 2015-16 to 2025-26

School Year	Birth Yr	Births	K	1	2	3	4	5	6	7	8	9	10	11	12	PK *	PK-12	K-5	6-8	9-12
2015-16	2010	515	649	693	759	730	873	774	765	815	795	783	771	734	775	205	10,121	4,478	2,375	3,063
2016-17	2011	505	613	666	703	770	734	874	776	767	819	744	761	773	734	205	9,939	4,360	2,362	3,012
2017-18	2012	474	575	629	675	714	775	735	876	778	771	767	723	763	773	205	9,759	4,103	2,425	3,026
2018-19	2013	503	611	590	638	685	718	776	736	879	782	722	746	725	763	205	9,576	4,018	2,397	2,956
2019-20	2014	565	686	627	598	648	689	719	778	738	883	732	702	748	725	205	9,478	3,967	2,399	2,907
2020-21	2015	580	704	704	636	607	652	690	720	780	742	826	712	704	748	205	9,430	3,993	2,242	2,990
2021-22	2016	601	730	722	714	646	611	653	691	722	784	695	803	714	704	205	9,394	4,076	2,197	2,916
2022-23	2017	607	737	749	732	725	650	612	654	693	726	734	676	805	714	205	9,412	4,205	2,073	2,929
2023-24	2018	614	745	756	759	743	729	651	613	656	696	680	713	678	805	205	9,429	4,383	1,965	2,876
2024-25	2019	621	754	764	767	770	747	730	652	615	659	651	661	715	678	205	9,368	4,532	1,926	2,705
2025-26	2020	628	762	774	775	779	775	748	731	654	618	617	633	663	715	205	9,449	4,613	2,003	2,628

* Includes Pre-K enrollment at Burr, Dwight, and the Pre-K Center

Medium growth scenario uses the following assumptions:

Medium growth births (from regression analysis based on single-family home sales and town unemployment rate)

3-year average persistency ratios for K-5 and 6-8 projections

5-year average persistency ratios for 9-12 projections

Assumes Pre-K program remains at 205 students, with 36 attending Dwight, 36 attending Burr, and the remainder attending the Pre-K center



Enrollment Projections

PK-5 Enrollment Projections, by School

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	424	433	432	429	426	436	446	446	461	476	487
Dwight	346	338	309	300	292	286	282	294	315	320	329
Holland Hill	407	405	397	385	400	396	395	418	428	441	442
Jennings	320	310	276	282	284	286	296	306	321	331	330
McKinley	433	432	413	407	391	383	394	395	410	419	424
Mill Hill	382	369	335	324	320	324	340	349	362	375	389
North Stratfield	416	391	369	362	362	363	379	393	406	418	422
Osborn Hill	490	468	442	426	407	415	431	449	466	490	504
Riverfield	409	405	377	370	373	375	377	388	405	423	427
Roger Sherman	481	482	453	444	436	453	446	459	484	499	502
Stratfield	442	399	373	359	355	351	363	382	401	414	432
Total	4,550	4,432	4,176	4,088	4,046	4,068	4,149	4,279	4,459	4,606	4,688

Individual school projections may differ slightly from district-wide projections due to rounding

Includes Pre-K enrollment at Burr (36 students), Dwight (36 students), but not students who attend the Pre-K center.

Projections assume Pre-K enrollment at Burr and Dwight remains the same as the 2015-16 school year.



Elementary Capacity

Functional Capacity, With and Without Portable Classrooms

School	2015-16 Enrollment*	With Portables		Without Portables	
		FPS Functional Capacity	Percent Utilization	FPS Functional Capacity	Percent Utilization
Burr *	424	504	80.6%	504	80.6%
Dwight *	346	378	86.8%	378	86.8%
Holland Hill ¹	407	378	107.7%	315	129.2%
Jennings	320	378	84.7%	378	84.7%
McKinley	433	504	85.9%	504	85.9%
Mill Hill	382	378	101.1%	336	113.7%
North Stratfield	416	504	82.5%	504	82.5%
Osborn Hill	490	504	97.2%	504	97.2%
Riverfield ¹	409	504	81.2%	504	81.2%
Roger Sherman	481	462	104.1%	462	104.1%
Stratfield	442	504	87.7%	504	87.7%
Total PK-5	4,550	4,998	91.0%	4,893	93.0%

* Includes Pre-K enrollment at Burr and Dwight

1. Two portable classrooms will be added to Holland Hill for the 2016-17 School Year, bringing its Functional Capacity With Portables to 420 Students

Pre-K program at Burr and Dwight are half day programs that share a classroom. Therefore only half of Pre-K enrollment was used in utilization calculations



Elem. Facility Utilization

PK-5 Utilization Projections (With Portables)

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	80.6%	82.3%	82.1%	81.5%	81.0%	82.9%	84.9%	84.9%	87.9%	90.9%	93.1%
Dwight	86.8%	84.7%	77.0%	74.6%	72.5%	70.9%	69.8%	73.0%	78.6%	79.9%	82.3%
Holland Hill ^I	107.7%	96.4%	94.5%	91.7%	95.2%	94.3%	94.0%	99.5%	101.9%	105.0%	105.2%
Jennings	84.7%	82.0%	73.0%	74.6%	75.1%	75.7%	78.3%	81.0%	84.9%	87.6%	87.3%
McKinley	85.9%	85.7%	81.9%	80.8%	77.6%	76.0%	78.2%	78.4%	81.3%	83.1%	84.1%
Mill Hill	101.1%	97.6%	88.6%	85.7%	84.7%	85.7%	89.9%	92.3%	95.8%	99.2%	102.9%
North Stratfield	82.5%	77.6%	73.2%	71.8%	71.8%	72.0%	75.2%	78.0%	80.6%	82.9%	83.7%
Osborn Hill	97.2%	92.9%	87.7%	84.5%	80.8%	82.3%	85.5%	89.1%	92.5%	97.2%	100.0%
Riverfield	81.2%	80.4%	74.8%	73.4%	74.0%	74.4%	74.8%	77.0%	80.4%	83.9%	84.7%
Roger Sherman	104.1%	104.3%	98.1%	96.1%	94.4%	98.1%	96.5%	99.4%	104.8%	108.0%	108.7%
Stratfield	87.7%	79.2%	74.0%	71.2%	70.4%	69.6%	72.0%	75.8%	79.6%	82.1%	85.7%
Total	90.3%	87.9%	82.9%	81.1%	80.3%	80.7%	82.3%	84.9%	88.5%	91.4%	93.0%

Includes Pre-K Enrollment at Burr and Dwight

I. Two additional portable classrooms added to Holland Hill beginning in 2016-17

PK-5 Utilization Projections (Without Portables)

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	80.6%	82.3%	82.1%	81.5%	81.0%	82.9%	84.9%	84.9%	87.9%	90.9%	93.1%
Dwight	86.8%	84.7%	77.0%	74.6%	72.5%	70.9%	69.8%	73.0%	78.6%	79.9%	82.3%
Holland Hill	129.2%	128.6%	126.0%	122.2%	127.0%	125.7%	125.4%	132.7%	135.9%	140.0%	140.3%
Jennings	84.7%	82.0%	73.0%	74.6%	75.1%	75.7%	78.3%	81.0%	84.9%	87.6%	87.3%
McKinley	85.9%	85.7%	81.9%	80.8%	77.6%	76.0%	78.2%	78.4%	81.3%	83.1%	84.1%
Mill Hill	113.7%	109.8%	99.7%	96.4%	95.2%	96.4%	101.2%	103.9%	107.7%	111.6%	115.8%
North Stratfield	82.5%	77.6%	73.2%	71.8%	71.8%	72.0%	75.2%	78.0%	80.6%	82.9%	83.7%
Osborn Hill	97.2%	92.9%	87.7%	84.5%	80.8%	82.3%	85.5%	89.1%	92.5%	97.2%	100.0%
Riverfield	81.2%	80.4%	74.8%	73.4%	74.0%	74.4%	74.8%	77.0%	80.4%	83.9%	84.7%
Roger Sherman	104.1%	104.3%	98.1%	96.1%	94.4%	98.1%	96.5%	99.4%	104.8%	108.0%	108.7%
Stratfield	87.7%	79.2%	74.0%	71.2%	70.4%	69.6%	72.0%	75.8%	79.6%	82.1%	85.7%
Total	92.6%	90.2%	85.0%	83.2%	82.3%	82.8%	84.4%	87.1%	90.7%	93.7%	95.4%

Pre-K program at Burr and Dwight are half day programs that share a classroom. Therefore only half of Pre-K enrollment was used in utilization calculations



Redistricting Plan

Goals & Guiding Principles

Goal-

- Reduce McKinley's racial imbalance to below 20% (Impending)

Guiding Principles (1) -

- Strive to maintain established neighborhoods and consider natural and manmade boundaries (rivers, highways)
- Consider the impact on busing and walkers
- Safety issues should be considered
- Phase out all temporary solutions (portables)
- Strive for sustained facility utilization at 90%
- Siblings should attend same schools – avoid crossing feeder patterns
- Maintain District Guidelines for class size
- Create the least amount of disruption

(1) *Adhoc Redistricting Committee- Redistricting: Guiding Principles*
(Approved by BOE, November 17, 2015)



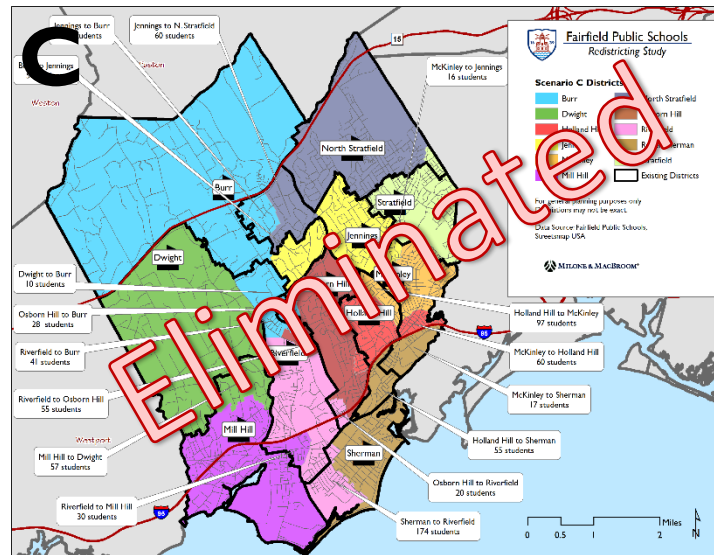
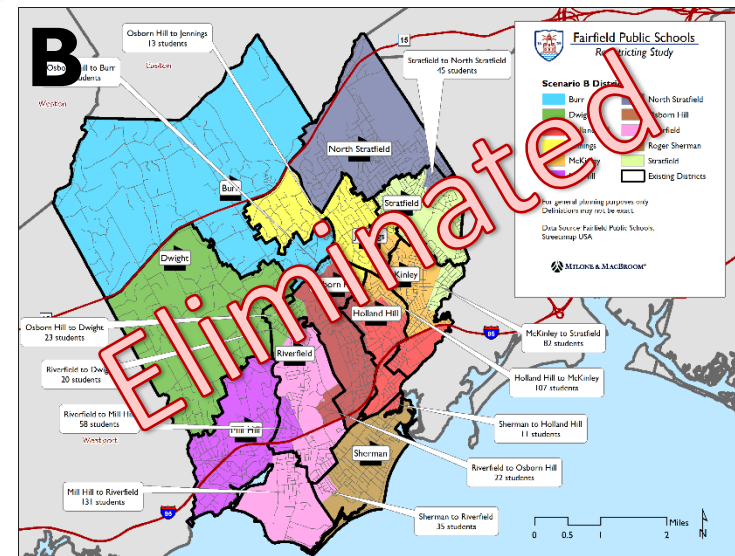
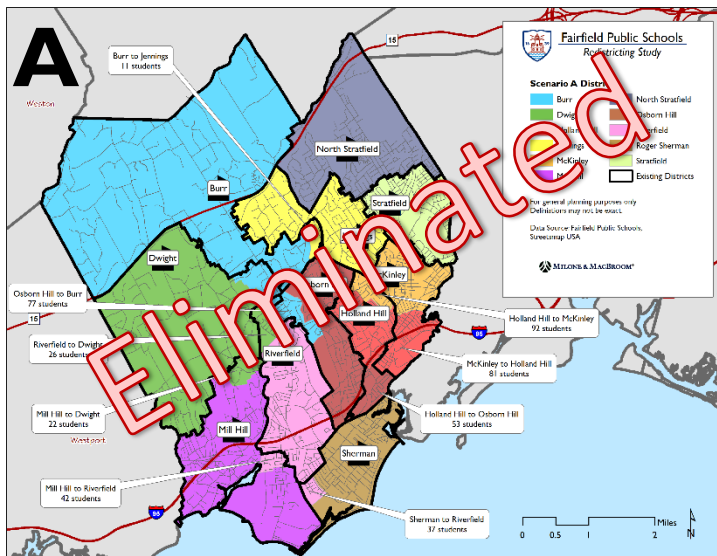
Preliminary Redistricting Scenarios

Scenario A, B, & C

- No additional renovation or expansion projects
- Comprehensive redistricting
- Opt-in, Open Choice (non-Fairfield residents), and SPED/CLC students remain in current schools
- Portable classrooms remain in place
 - Two additional portables added to Holland Hill for 2016-17 school year
 - Assess whether redistricting can facilitate portable classroom removal at Holland Hill and Mill Hill



Scenario A, B, and C Boundaries





Scenario A, B, and C Considerations

- Significant movement of students
- McKinley becomes “impending imbalance” under each scenario
 - However, does not get below 20% in any scenario – potential to become imbalanced again if diverse Kindergarten class enters system.
 - Holland Hill would move up to “impending imbalance” in Scenario A and B.
- Not enough classroom space in the district to remove portable classrooms and achieve 90% utilization.
 - If portable classrooms are removed at Mill Hill and Holland Hill it would cause overcrowding (>100% utilization) at other schools.

Not viable long-term solutions



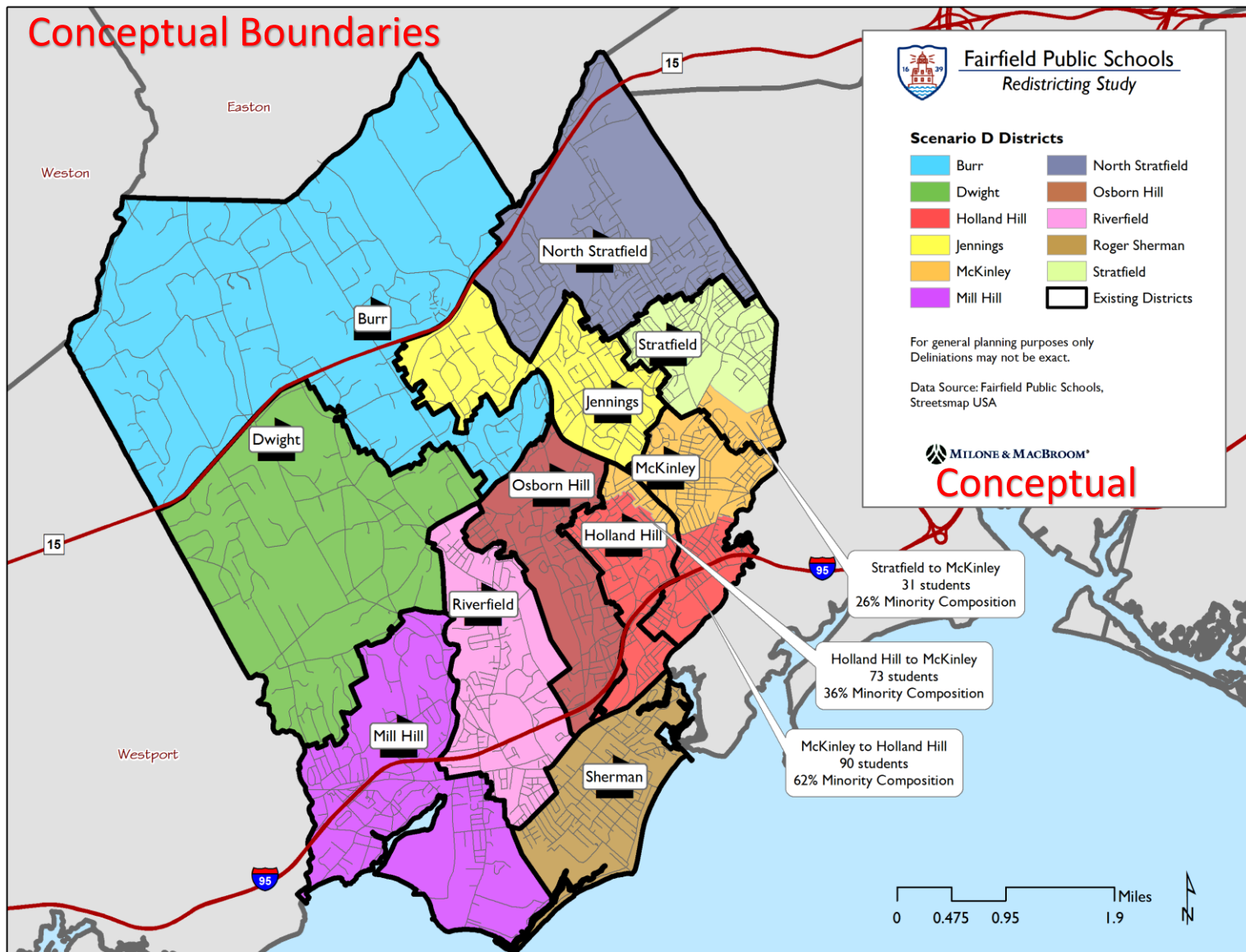
Preliminary Redistricting Scenarios

Scenario D

- Holland Hill construction and expansion project moves forward – becomes a 504 student school
- Pocket redistricting to fill out new Holland Hill school and improve racial balance at McKinley
 - Minimize redistricting impacts to other schools
- Opt-in, Open Choice (non-Fairfield residents), and SPED/CLC students remain in current schools
- Portable classrooms remain at Mill Hill.



Scenario D Boundaries





Scenario D Overview

School	2015-16 Enrollment	Functional Capacity ¹	Percent Utilization	Minority Composition	Percent Deviation
Burr *	424	504	80.6%	17.8%	-2.9%
Dwight *	346	378	86.8%	12.3%	-8.4%
Holland Hill	424	504	84.1%	38.4%	17.7%
Jennings	320	378	84.7%	20.0%	-0.7%
McKinley	447	504	88.7%	41.2%	20.5%
Mill Hill	382	378	101.1%	15.7%	-5.0%
North Stratfield	416	504	82.5%	20.7%	0.0%
Osborn Hill	490	504	97.2%	14.5%	-6.2%
Riverfield	409	504	81.2%	12.5%	-8.2%
Sherman	481	462	104.1%	13.9%	-6.8%
Stratfield	411	504	81.5%	18.0%	-2.7%
District	4,550	5,124	88.8%	20.7%	0.0%

Source: Fairfield Public Schools PSIS Enrollment Data

Minority composition numbers are unofficial

Impending Imbalance

* Includes Pre-K enrollment at Burr and Dwight



Scenario D Diversity

School	Minority Composition			
	2012-13	2013-14	2014-15	2015-16
Burr	14.3%	14.3%	17.4%	17.8%
Dwight	14.0%	11.3%	12.5%	12.3%
Holland Hill	35.7%	36.4%	38.2%	38.4%
Jennings	21.0%	18.3%	19.4%	20.0%
McKinley	37.6%	40.2%	42.4%	41.2%
Mill Hill	14.2%	15.2%	13.1%	15.7%
North Stratfield	19.6%	20.0%	22.2%	20.7%
Osborn Hill	8.1%	9.5%	10.2%	14.5%
Riverfield	13.4%	12.0%	12.3%	12.5%
Sherman	13.4%	13.8%	13.7%	13.9%
Stratfield	17.9%	17.2%	18.8%	18.0%
District	19.0%	19.4%	20.5%	20.7%

Source: Fairfield Public Schools PSIS Enrollment Data

Impending Imbalance

As if Scenario D Districts were in place

2015-16 numbers are unofficial



Scenario D Projections

PK-5 Enrollment Projections, by School

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	424	427	425	420	415	426	434	435	449	461	471
Dwight	346	345	322	320	311	303	301	314	333	340	350
Holland Hill	424	426	406	399	397	398	402	414	426	437	441
Jennings	320	310	271	274	271	268	275	286	297	308	309
McKinley	447	438	428	414	410	405	415	426	437	449	454
Mill Hill	382	368	335	323	318	325	339	349	362	373	388
North Stratfield	416	390	367	359	355	352	365	378	391	401	404
Osborn Hill	490	468	444	426	407	409	426	447	468	495	506
Riverfield	409	408	385	382	381	389	395	407	426	444	447
Roger Sherman	481	490	468	464	465	485	477	487	514	535	538
Stratfield	411	361	335	319	312	306	314	329	345	359	373
Total	4,550	4,431	4,186	4,100	4,042	4,066	4,143	4,272	4,448	4,602	4,681

Individual school projections may differ slightly from district-wide projections due to rounding

Includes Pre-K Enrollment at Burr and Dwight

PK-5 Utilization Projections

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	80.6%	81.2%	80.8%	79.8%	78.8%	81.0%	82.5%	82.7%	85.5%	87.9%	89.9%
Dwight	86.8%	86.5%	80.4%	79.9%	77.5%	75.4%	74.9%	78.3%	83.3%	85.2%	87.8%
Holland Hill	84.1%	84.5%	80.6%	79.2%	78.8%	79.0%	79.8%	82.1%	84.5%	86.7%	87.5%
Jennings	84.7%	82.0%	71.7%	72.5%	71.7%	70.9%	72.8%	75.7%	78.6%	81.5%	81.7%
McKinley	88.7%	86.9%	84.9%	82.1%	81.3%	80.4%	82.3%	84.5%	86.7%	89.1%	90.1%
Mill Hill	101.1%	97.4%	88.6%	85.4%	84.1%	86.0%	89.7%	92.3%	95.8%	98.7%	102.6%
North Stratfield	82.5%	77.4%	72.8%	71.2%	70.4%	69.8%	72.4%	75.0%	77.6%	79.6%	80.2%
Osborn Hill	97.2%	92.9%	88.1%	84.5%	80.8%	81.2%	84.5%	88.7%	92.9%	98.2%	100.4%
Riverfield	81.2%	81.0%	76.4%	75.8%	75.6%	77.2%	78.4%	80.8%	84.5%	88.1%	88.7%
Roger Sherman	104.1%	106.1%	101.3%	100.4%	100.6%	105.0%	103.2%	105.4%	111.3%	115.8%	116.5%
Stratfield	81.5%	71.6%	66.5%	63.3%	61.9%	60.7%	62.3%	65.3%	68.5%	71.2%	74.0%
Total	91.0%	88.7%	83.8%	82.0%	80.9%	81.4%	82.9%	85.5%	89.0%	92.1%	93.7%

Pre-K program at Burr and Dwight are half day programs that share a classroom. Therefore only half of Pre-K enrollment was used in utilization calculations



Scenario D Considerations

- Focuses only on racial imbalance at McKinley
 - Does not address overcrowding at Mill Hill, or Roger Sherman
 - Portable classrooms remain at Mill Hill
 - Low projected utilization at North Stratfield and Stratfield
 - Separate pocket redistricting could be undertaken in the future once the Mill Hill construction project is complete
- Minimizes redistricting impacts: Would move 169 K-4 students (4.6%) if implemented for 2016-17 school year.
- McKinley would have been “impending imbalance” each of the last four years.
 - Greater than 20% of district average in three of the last four years
- Moves Holland Hill to “impending imbalance” each of the last four years.
 - Between 15%-18% above district average.
- Will increase utilization at Fairfield Woods Middle School



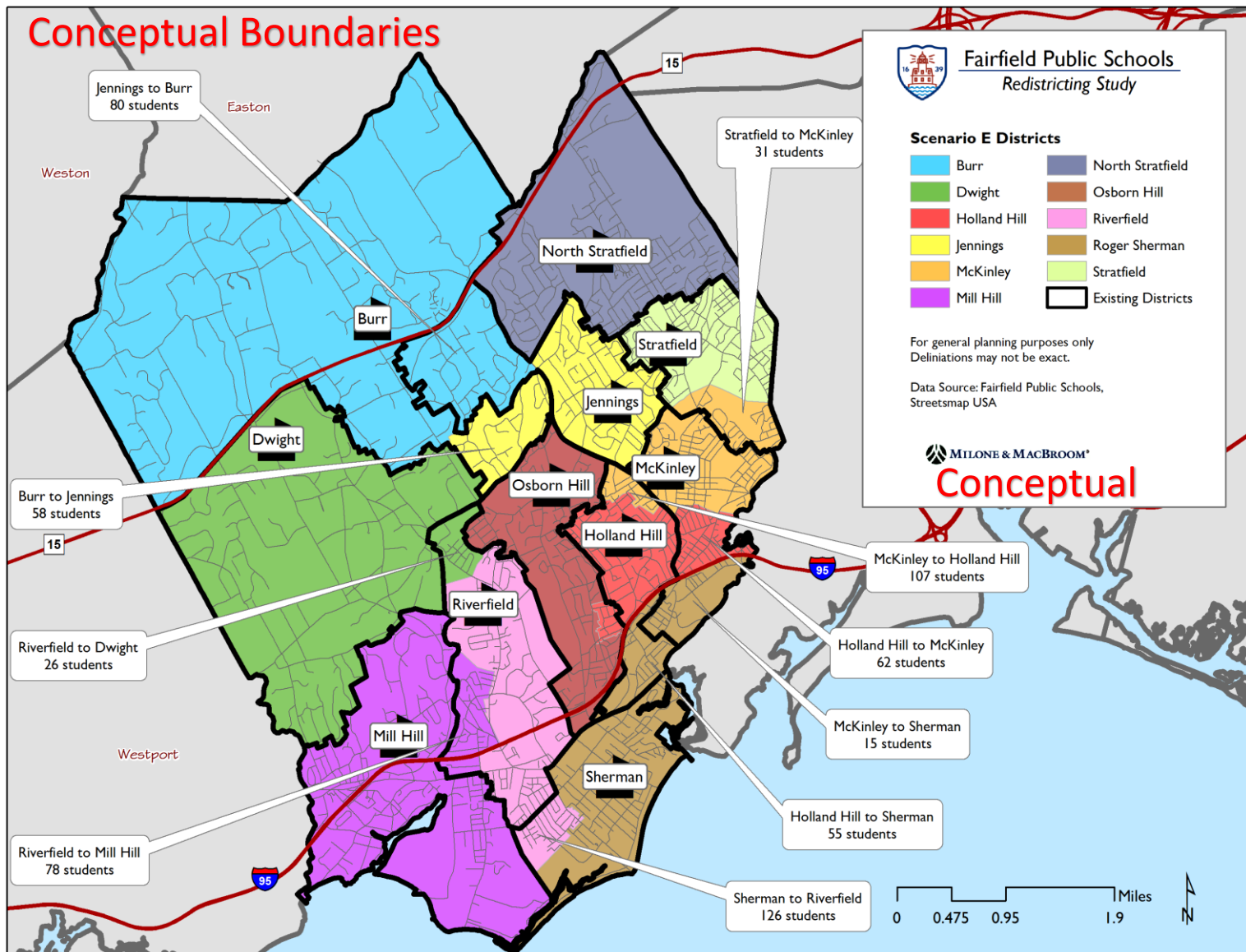
Preliminary Redistricting Scenarios

Scenario E and F

- Both the Mill Hill and Holland Hill construction projects move forward
Both schools become 504 student schools
- All portable classrooms removed
- Comprehensive redistricting
- Opt-in, Open Choice (non-Fairfield residents), and SPED/CLC students remain in current schools



Scenario E Boundaries





Scenario E Overview

School	2015-16 Enrollment	Functional Capacity ¹	Percent Utilization	Minority Composition	Percent Deviation
Burr *	446	504	84.9%	18.0%	-2.7%
Dwight *	372	378	93.7%	11.9%	-8.8%
Holland Hill	426	504	84.5%	35.2%	14.5%
Jennings	298	378	78.8%	19.8%	-0.9%
McKinley	404	504	80.2%	39.9%	19.2%
Mill Hill	460	504	91.3%	14.3%	-6.4%
North Stratfield	416	504	82.5%	20.7%	0.0%
Osborn Hill	461	504	91.5%	15.0%	-5.7%
Riverfield	431	504	85.5%	13.2%	-7.5%
Sherman	425	462	92.0%	21.4%	0.7%
Stratfield	411	504	81.5%	18.0%	-2.7%
District	4,550	5,250	86.7%	20.7%	0.0%

Source: Fairfield Public Schools

Minority composition numbers are unofficial

Impending Imbalance

* Includes Pre-K enrollment at Burr and Dwight
As if Scenario E Districts were in place



Scenario E Diversity

	Minority Composition			
School	2012-13	2013-14	2014-15	2015-16
Burr	14.0%	13.9%	17.6%	18.0%
Dwight	13.8%	11.5%	12.4%	11.9%
Holland Hill	34.3%	35.3%	36.8%	35.2%
Jennings	21.9%	19.2%	19.3%	19.8%
McKinley	34.9%	38.9%	40.8%	39.9%
Mill Hill	14.7%	14.9%	13.1%	14.3%
North Stratfield	19.6%	20.0%	22.2%	20.7%
Osborn Hill	9.1%	11.5%	12.2%	15.0%
Riverfield	12.9%	11.3%	11.4%	13.2%
Sherman	18.6%	19.1%	20.1%	21.4%
Stratfield	17.9%	17.2%	18.8%	18.0%
District	19.0%	19.4%	20.5%	20.7%

Source: Fairfield Public Schools PSIS Enrollment Data

Impending Imbalance

As if Scenario E Districts were in place

2015-16 numbers are unofficial



Scenario E Projections & Utilization

PK-5 Enrollment Projections, by School

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	446	441	426	409	404	410	426	430	446	465	473
Dwight	372	371	352	351	348	341	342	357	378	384	391
Holland Hill	426	429	407	411	407	410	423	440	454	463	469
Jennings	298	294	267	280	276	282	280	290	303	308	310
McKinley	404	394	381	365	360	352	358	368	384	399	403
Mill Hill	460	448	416	398	392	405	414	422	441	458	473
North Stratfield	416	390	367	359	354	349	365	377	389	401	404
Osborn Hill	461	441	421	401	380	379	396	412	431	455	467
Riverfield	430	432	399	397	392	398	402	410	434	453	457
Roger Sherman	426	430	414	407	407	425	421	430	441	452	458
Stratfield	411	361	335	319	314	306	315	331	347	359	374
Total	4,550	4,431	4,185	4,097	4,034	4,057	4,142	4,267	4,448	4,597	4,679

Individual school projections may differ slightly from district-wide projections due to rounding
Includes Pre-K Enrollment at Burr and Dwight

PK-5 Utilization Projections, by School

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	84.9%	83.9%	81.0%	77.6%	76.6%	77.8%	81.0%	81.7%	84.9%	88.7%	90.3%
Dwight	93.7%	93.4%	88.4%	88.1%	87.3%	85.4%	85.7%	89.7%	95.2%	96.8%	98.7%
Holland Hill	84.5%	85.1%	80.8%	81.5%	80.8%	81.3%	83.9%	87.3%	90.1%	91.9%	93.1%
Jennings	78.8%	77.8%	70.6%	74.1%	73.0%	74.6%	74.1%	76.7%	80.2%	81.5%	82.0%
McKinley	80.2%	78.2%	75.6%	72.4%	71.4%	69.8%	71.0%	73.0%	76.2%	79.2%	80.0%
Mill Hill	91.3%	88.9%	82.5%	79.0%	77.8%	80.4%	82.1%	83.7%	87.5%	90.9%	93.8%
North Stratfield	82.5%	77.4%	72.8%	71.2%	70.2%	69.2%	72.4%	74.8%	77.2%	79.6%	80.2%
Osborn Hill	91.5%	87.5%	83.5%	79.6%	75.4%	75.2%	78.6%	81.7%	85.5%	90.3%	92.7%
Riverfield	85.3%	85.7%	79.2%	78.8%	77.8%	79.0%	79.8%	81.3%	86.1%	89.9%	90.7%
Roger Sherman	92.2%	93.1%	89.6%	88.1%	88.1%	92.0%	91.1%	93.1%	95.5%	97.8%	99.1%
Stratfield	81.5%	71.6%	66.5%	63.3%	62.3%	60.7%	62.5%	65.7%	68.8%	71.2%	74.2%
Total	86.7%	84.4%	79.7%	78.0%	76.8%	77.3%	78.9%	81.3%	84.7%	87.6%	89.1%

Pre-K program at Burr and Dwight are half day programs that share a classroom. Therefore only half of Pre-K enrollment was used in utilization calculations

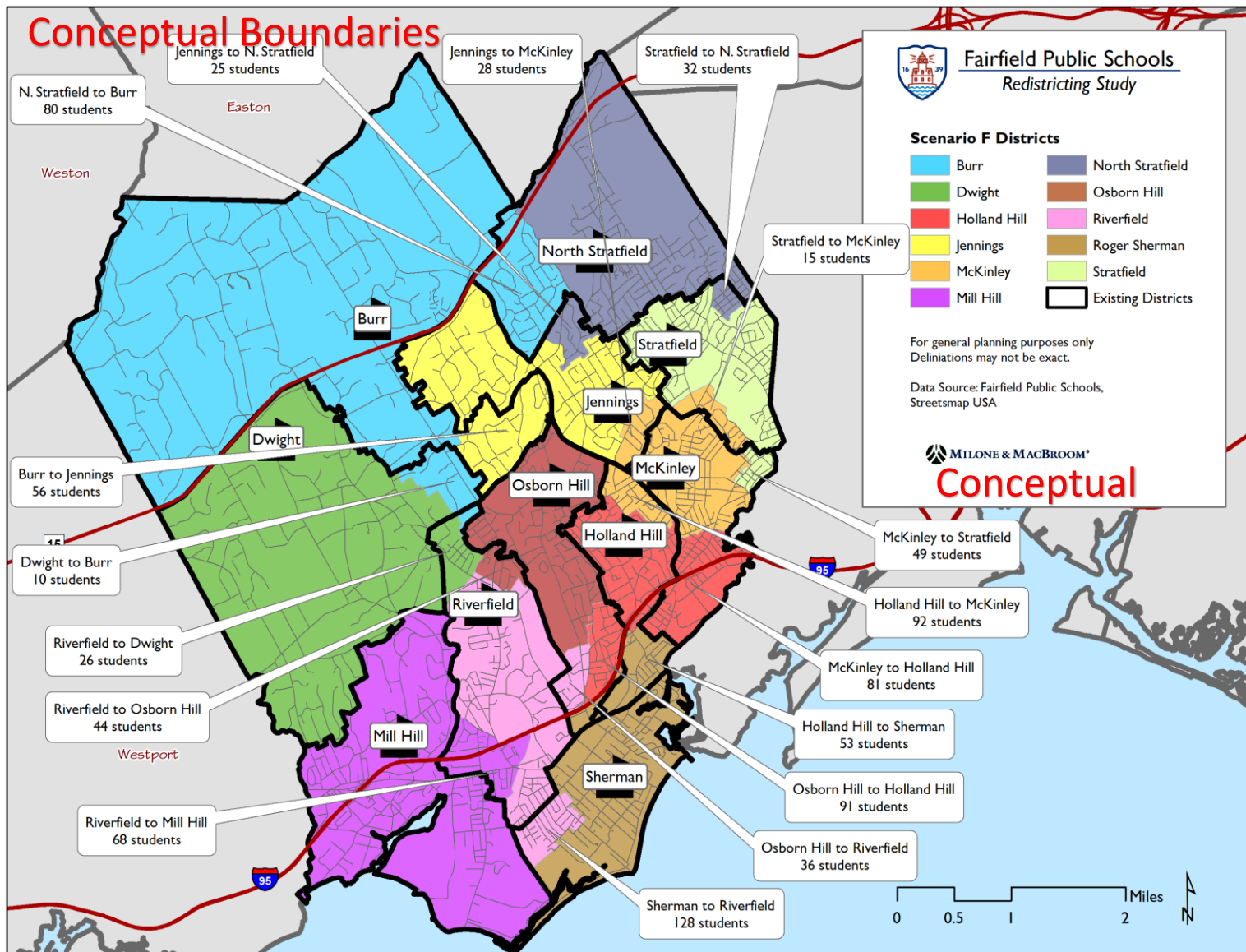


Scenario E Considerations

- Would move 560 K-4 students (15.1%) if implemented for 2016-17 school year
- Most schools projected to be under 90% utilization for the next 7 years.
 - Overcrowding may become an issue at Sherman
 - Underutilization at Stratfield could be an opportunity to add Pre-K program and/or opt-in seats as space becomes available.
- McKinley would be “impending imbalanced” each of the last four years.
 - Under 20% of district racial balance threshold for 3 out of last 4 years. (Max of 20.2%)
- Holland Hill would be “impending imbalanced” for three of the last four years.
- Some Riverfield walkers impacted



Scenario F Boundaries





Scenario F Overview

School	2015-16 Enrollment	Functional Capacity	Percent Utilization	Minority Composition	Percent Deviation
Burr *	458	504	87.3%	18.0%	-2.7%
Dwight *	362	378	91.0%	12.3%	-8.4%
Holland Hill	434	504	86.1%	31.1%	10.4%
Jennings	323	378	85.4%	18.6%	-2.1%
McKinley	438	504	86.9%	40.0%	19.3%
Mill Hill	450	504	89.3%	15.6%	-5.1%
North Stratfield	393	504	78.0%	22.1%	1.4%
Osborn Hill	407	504	80.8%	14.3%	-6.5%
Riverfield	435	504	86.3%	12.6%	-8.1%
Sherman	406	462	87.9%	20.2%	-0.5%
Stratfield	444	504	88.1%	20.0%	-0.7%
District	4,550	5,250	86.7%	20.7%	0.0%

Source: Fairfield Public Schools

Minority composition numbers are unofficial

Impending Imbalance

* Includes Pre-K enrollment at Burr and Dwight
As if Scenario F Districts were in place



Scenario F Diversity

	Minority Composition			
School	2012-13	2013-14	2014-15	2015-16
Burr	14.7%	14.1%	17.7%	18.0%
Dwight	14.0%	11.7%	12.8%	12.3%
Holland Hill	28.4%	29.7%	30.4%	31.1%
Jennings	19.9%	17.5%	18.2%	18.6%
McKinley	37.8%	39.8%	42.6%	40.0%
Mill Hill	14.7%	15.4%	13.7%	15.6%
North Stratfield	20.0%	20.8%	22.8%	22.1%
Osborn Hill	8.6%	11.4%	12.6%	14.3%
Riverfield	13.7%	11.7%	11.6%	12.6%
Sherman	17.9%	18.3%	19.0%	20.2%
Stratfield	18.1%	18.9%	19.7%	20.0%
District	19.0%	19.4%	20.5%	20.7%

Source: Fairfield Public Schools PSIS Enrollment Data

Impending Imbalance

As if Scenario F Districts were in place

2015-16 numbers are unofficial



Scenario F Projections & Utilization

PK-5 Enrollment Projections, by School

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	458	460	444	425	428	428	446	450	467	486	488
Dwight	362	357	339	338	336	330	331	345	362	367	372
Holland Hill	434	438	419	418	421	424	430	443	459	473	477
Jennings	323	316	291	303	299	304	303	312	322	331	334
McKinley	438	423	404	394	390	384	396	406	417	429	433
Mill Hill	450	438	404	393	391	402	420	428	446	459	472
North Stratfield	393	362	336	330	320	318	332	346	357	365	373
Osborn Hill	407	383	364	350	346	348	360	377	386	403	404
Riverfield	435	441	405	393	379	385	387	393	422	442	454
Roger Sherman	406	410	393	385	381	402	399	408	423	439	448
Stratfield	444	402	379	359	350	344	348	361	384	401	419
Total	4,550	4,430	4,178	4,088	4,041	4,069	4,152	4,269	4,445	4,595	4,674

Individual school projections may differ slightly from district-wide projections due to rounding

Includes Pre-K enrollment at Burr (32 students), Dwight (25 students), but not students who attend the Pre-K center.

PK-5 Utilization Projections, by School

School	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Burr	87.3%	87.7%	84.5%	80.8%	81.3%	81.3%	84.9%	85.7%	89.1%	92.9%	93.3%
Dwight	91.0%	89.7%	84.9%	84.7%	84.1%	82.5%	82.8%	86.5%	91.0%	92.3%	93.7%
Holland Hill	86.1%	86.9%	83.1%	82.9%	83.5%	84.1%	85.3%	87.9%	91.1%	93.8%	94.6%
Jennings	85.4%	83.6%	77.0%	80.2%	79.1%	80.4%	80.2%	82.5%	85.2%	87.6%	88.4%
McKinley	86.9%	83.9%	80.2%	78.2%	77.4%	76.2%	78.6%	80.6%	82.7%	85.1%	85.9%
Mill Hill	89.3%	86.9%	80.2%	78.0%	77.6%	79.8%	83.3%	84.9%	88.5%	91.1%	93.7%
North Stratfield	78.0%	71.8%	66.7%	65.5%	63.5%	63.1%	65.9%	68.7%	70.8%	72.4%	74.0%
Osborn Hill	80.8%	76.0%	72.2%	69.4%	68.7%	69.0%	71.4%	74.8%	76.6%	80.0%	80.2%
Riverfield	86.3%	87.5%	80.4%	78.0%	75.2%	76.4%	76.8%	78.0%	83.7%	87.7%	90.1%
Roger Sherman	87.9%	88.7%	85.1%	83.3%	82.5%	87.0%	86.4%	88.3%	91.6%	95.0%	97.0%
Stratfield	88.1%	79.8%	75.2%	71.2%	69.4%	68.3%	69.0%	71.6%	76.2%	79.6%	83.1%
Total	86.7%	84.4%	79.6%	77.9%	77.0%	77.5%	79.1%	81.3%	84.7%	87.5%	89.0%

Pre-K program at Burr and Dwight are half day programs that share a classroom. Therefore only half of Pre-K enrollment was used in utilization calculations

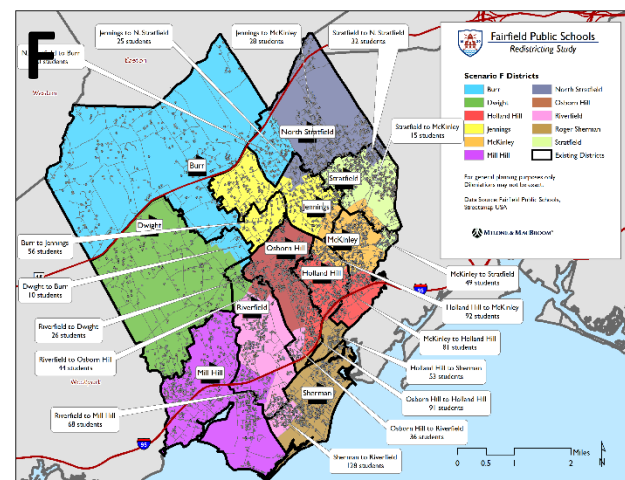
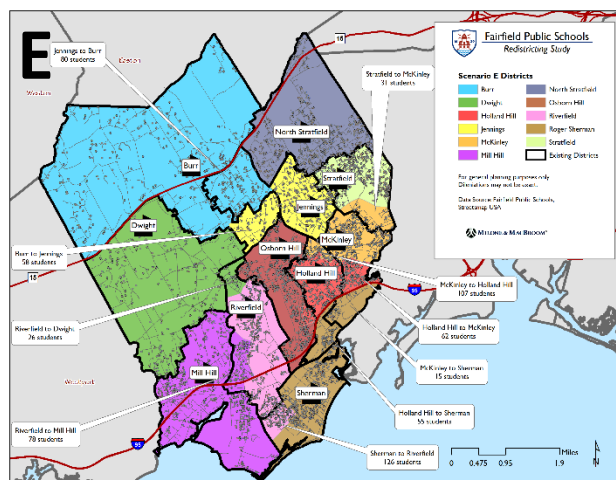
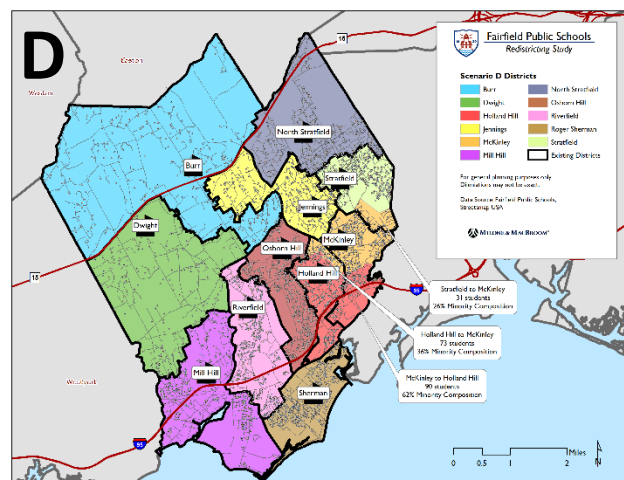
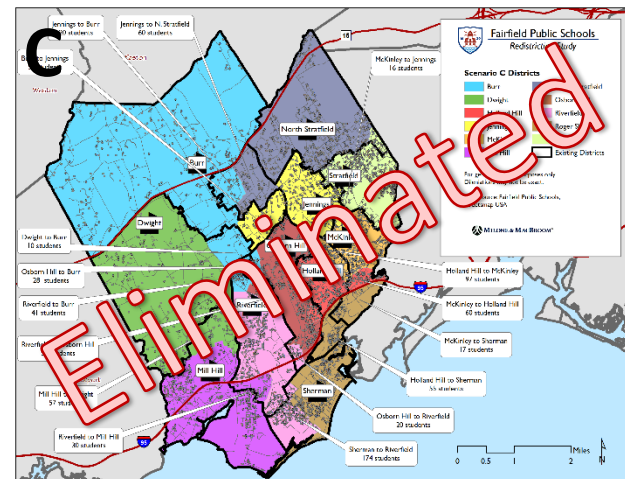
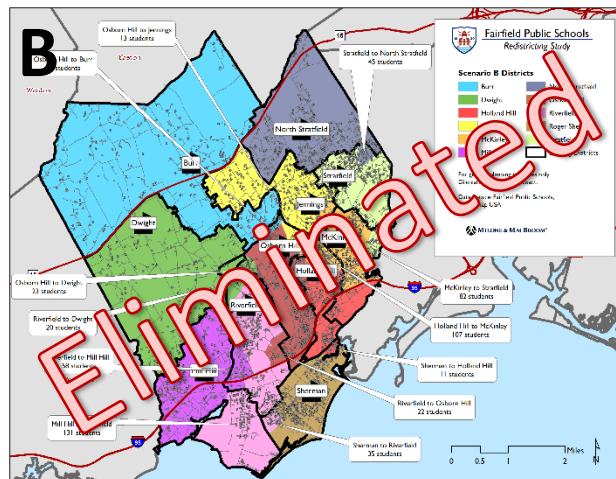
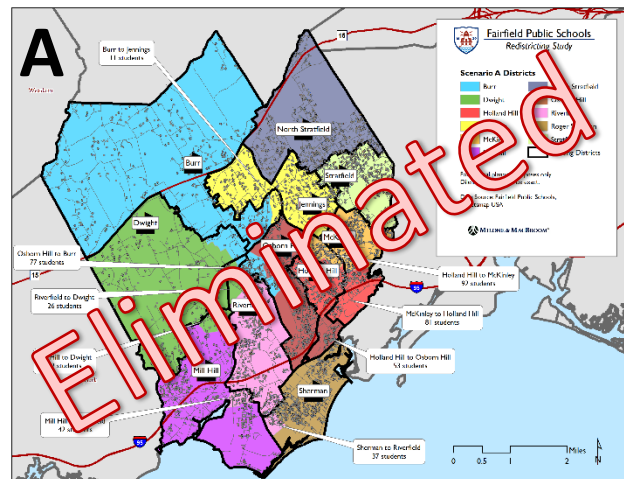


Scenario F Considerations

- Would move 773 K-4 students (20.9%) if implemented for 2016-17 school year. Most students moved of any scenario
 - Many small areas moved
- All schools projected to be under 90% utilization for the next seven years
 - Underutilization at North Stratfield and Stratfield could be an opportunity to add Pre-K program and/or opt-in seats as space becomes available.
- McKinley would be “impending imbalanced” each of the last four years.
 - Under 20% of district racial balance threshold for 2 out of last 4 years. (Max of 22.1%)
- Holland Hill racially balanced each of the last 4 years.
- Some Riverfield walkers impacted



Scenario Comparison





Scenario Comparison

Redistricting Impacts

Number of K-4 students redistricted if Scenario were implemented for the 2016-17 school year

Scenario	Grade					Redistricted Students	
	K	1	2	3	4	Total	% of Total
Scenario D	26	26	45	31	41	169	4.6%
Scenario E	114	92	124	108	122	560	15.1%
Scenario F	150	140	171	146	166	773	20.9%



Scenario Comparison

Scenario	New Construction	Percent of K-4 ¹ Students Moved	Deviation from District Racial Balance (2015-16)		# of Schools with > 90% Utilization ^{2,3}	# of Schools with > 100% Utilization ^{2,3}	Portables Removed
			McKinley ²	Holland Hill ²			
Existing	None	0.0%	+27.2 (imbalanced)	+12.1 (balanced)	4	3	None
Scenario D	HH	4.6%	+20.5 (impending)	+17.7 (impending)	3	2	Holland Hill Only
Scenario E	HH and MH	15.1%	+19.2 (impending)	+14.5 (balanced)	4	0	All
Scenario F	HH and MH	20.9%	+19.3 (impending)	+10.4 (balanced)	1	0	All

1. Number of current K-4 students who would be moved for the 2016-17 school year if scenario districts were in place

2. As if Districts were in place today.

3. Existing portable classrooms are included in the functional capacity for the Existing Conditions. Portables remained at Mill Hill in Scenario D.



Scenario Comparison: Middle School Impacts

Middle School Feeder Pattern

Feeder Schools remain the same, but are based on new Elementary School Districts

Fairfield Woods

Holland Hill

Jennings

North Stratfield

Osborn Hill

Roger Ludlowe

Dwight

Mill Hill

Riverfield

Roger Sherman

Tomlinson

Burr

McKinley

Stratfield



Scenario Comparison: Middle School Impacts

Middle School Enrollment: 2015-16

Middle School	FPS Functional Capacity ¹	Existing Districts	Scenario D	Scenario E	Scenario F
Fairfield Woods	840	888	927	895	881
Ludlowe	875	805	804	852	824
Tomlinson	700	693	655	639	681
District	2,415	2,386	2,386	2,386	2,386

¹ Functional Capacities provided by Fairfield Public Schools, 2015-16 Building Database
As if Scenario Districts were in place for the 2015-16 school year

Projected Middle School Enrollment: 2020-21

Middle School	FPS Functional Capacity ¹	Existing Districts	Scenario D	Scenario E	Scenario F
Fairfield Woods	840	834	851	805	773
Ludlowe	875	765	783	848	815
Tomlinson	700	643	609	590	655
District	2,415	2,242	2,242	2,242	2,242

¹ Functional Capacities provided by Fairfield Public Schools, 2015-16 Building Database
As if Scenario Districts were in place for the 2015-16 school year

Middle School Utilization: 2015-16

Middle School	FPS Functional Capacity ¹	Existing Districts	Scenario D	Scenario E	Scenario F
Fairfield Woods	840	105.7%	110.4%	106.5%	104.9%
Ludlowe	875	92.0%	91.9%	97.4%	94.2%
Tomlinson	700	99.0%	93.6%	91.3%	97.3%
District	2,415	98.8%	98.8%	98.8%	98.8%

¹ Functional Capacities provided by Fairfield Public Schools, 2015-16 Building Database
As if Scenario Districts were in place for the 2015-16 school year

Projected Middle School Utilization: 2020-21

Middle School	FPS Functional Capacity ¹	Existing Districts	Scenario D	Scenario E	Scenario F
Fairfield Woods	840	99.3%	101.3%	95.8%	92.0%
Ludlowe	875	87.4%	89.5%	96.9%	93.1%
Tomlinson	700	91.9%	87.0%	84.3%	93.6%
District	2,415	92.8%	92.8%	92.8%	92.8%

¹ Functional Capacities provided by Fairfield Public Schools, 2015-16 Building Database
As if Scenario Districts were in place for the 2015-16 school year



Scenario Comparison: High School Impacts

High School Feeder Pattern

Feeder Schools remain the same, but are based on new Elementary School Districts

Fairfield Warde

Burr

Jennings

McKinley

North Stratfield

Stratfield

Fairfield Ludlowe

Dwight

Roger Sherman

Mill Hill

Holland Hill

Riverfield

Osborn Hill



Scenario Comparison: High School Impacts

High School Enrollment: 2015-16

High School	FPS Functional Capacity ¹	Existing Districts	Scenario D	Scenario E	Scenario F
Fairfield Ludlowe	1,400	1,513	1,430	1,622	1,555
Fairfield Warde	1,400	1,537	1,620	1,428	1,495
Fitzgerald Campus	75	29	29	29	29
District	2,875	3,079	3,079	3,079	3,079

As if Scenario Districts were in place for the 2015-16 school year

Students who attended the alternative High School Program at the Walter Fitzgerald Campus were not redistricted

Projected High School Enrollment: 2020-21

High School	FPS Functional Capacity ¹	Existing Districts	Scenario D	Scenario E	Scenario F
Fairfield Ludlowe	1,400	1,492	1,438	1,390	1,453
Fairfield Warde	1,400	1,469	1,523	1,571	1,508
Fitzgerald Campus	75	29	29	29	29
District	2,875	2,990	2,990	2,990	2,990

As if Scenario Districts were in place for the 2015-16 school year

Students who attended the alternative High School Program at the Walter Fitzgerald Campus were not redistricted

High School Utilization: 2015-16

High School	FPS Functional Capacity ¹	Existing Districts	Scenario D	Scenario E	Scenario F
Fairfield Ludlowe	1,400	108.1%	102.1%	115.9%	111.1%
Fairfield Warde	1,400	109.8%	115.7%	102.0%	106.8%
Fitzgerald Campus	75	38.7%	38.7%	38.7%	38.7%
District	2,875	107.1%	107.1%	107.1%	107.1%

As if Scenario Districts were in place for the 2015-16 school year

Students who attended the alternative High School Program at the Walter Fitzgerald Campus were not redistricted

Projected High School Utilization: 2020-21

High School	FPS Functional Capacity ¹	Existing Districts	Scenario D	Scenario E	Scenario F
Fairfield Ludlowe	1,400	106.6%	102.7%	99.3%	103.8%
Fairfield Warde	1,400	104.9%	108.8%	112.2%	107.7%
Fitzgerald Campus	75	38.7%	38.7%	38.7%	38.7%
District	2,875	104.0%	104.0%	104.0%	104.0%

As if Scenario Districts were in place for the 2015-16 school year

Students who attended the alternative High School Program at the Walter Fitzgerald Campus were not redistricted



Conclusions

1.) Scenario A, B, and C

- Racial Imbalance at McKinley and overcrowding at Holland Hill, Mill Hill, and Roger Sherman cannot be solved without school construction projects. Portable classrooms cannot be removed by redistricting alone. Significant disruption and racial balance may not be sustained in the long term.

2.) Scenario D

- Pocket redistricting can mitigate racial imbalances at McKinley after the Holland Hill Construction Project is completed. However it , would result in Holland Hill becoming impending imbalanced (between 15% and 18% higher than district). Moves the fewest students, but does not address overcrowding at Mill Hill or Roger Sherman.

3.) Scenario E and F

- Following the completion of the Holland Hill and Mill Hill Construction Projects, the district can achieve racial balance objectives at McKinley. In addition, all portable classrooms can be removed and utilization targets can be achieved. However, it requires comprehensive redistricting, which would redistrict large numbers of students.



Discussion