

Walter Johnson Cluster Roundtable Discussion Group

Meeting #1

February 17, 2016



Introductions

Agenda and Ground Rules

Agenda

- Review Ground Rules
- Roundtable charge, process, and schedule
- Review Development Information
- Review Long-term enrollment projections

Ground Rules

- Share openly
- Give and receive constructive feedback
- Appreciate everyone's ideas
- Suspend judgment
- Limit discussions to the topic
- Do homework and be prepared
- Abide by decisions made by the facilitator
- Start and end meetings on time

Roundtable Charge

Board of Education Resolution

November 16, 2015

- Resolved, That a Walter Johnson Roundtable Discussion Group be conducted in spring 2016 to include representatives from each of the Walter Johnson Cluster schools and the Walter Johnson cluster coordinators
- Resolved, That the Walter Johnson Cluster Roundtable Discussion Group considers general approaches to addressing near-term and long-term enrollment increases at cluster elementary schools, middle schools, and the high school
- Resolved, That approaches to be considered may include use of closed schools in the cluster, including four former elementary schools—Ayrlawn, Alta Vista, Kensington, and Montrose—and the former Charles W. Woodward High School
- Resolved, That the Walter Johnson Cluster Roundtable Discussion Group limits its review of approaches to the Walter Johnson Cluster
- Resolved, That the Walter Johnson Cluster Roundtable Discussion Group is not to consider specific boundary changes as part of its process
- Resolved, That the Walter Johnson Cluster Roundtable Discussion Group submits a report that includes member evaluations of a range of approaches to the interim superintendent of schools and members of the Board of Education by June 2016.

Roundtable Charge

- Interim superintendent provides charge to the Roundtable Discussion Group.
- Charge directs Roundtable to discuss general approaches to solve the near-term and long-term enrollment increases and solve the projected space deficits in the elementary, middle, and high schools in the Walter Johnson Cluster.
- Look at closed schools in the cluster.
 - Woodward High School
 - Alta Vista Elementary School
 - Arylawn Elementary School
 - Grosvenor Elementary School
 - Kensington Elementary School
 - Montrose Elementary School
- Roundtable will evaluate approaches at the end of the process.

Walter Johnson Cluster

▲ Elementary School	— Ramp
▲ Middle School	— Highway
▲ High School	— State Road
▲ Closed School Site	— Major Road
■ Future School Site	— Local Road
— ES Boundary	— Planned Road
— Walter Johnson HS	— Stream
— Other Cluster	— Lake
— ROCK SPRING PLAN	— Park
— TOWN OF KENSINGTON SECTOR PLAN	
— WHITE FLINT SECTOR PLAN	
— WHITE FLINT SECTOR PLAN PHASE 2	

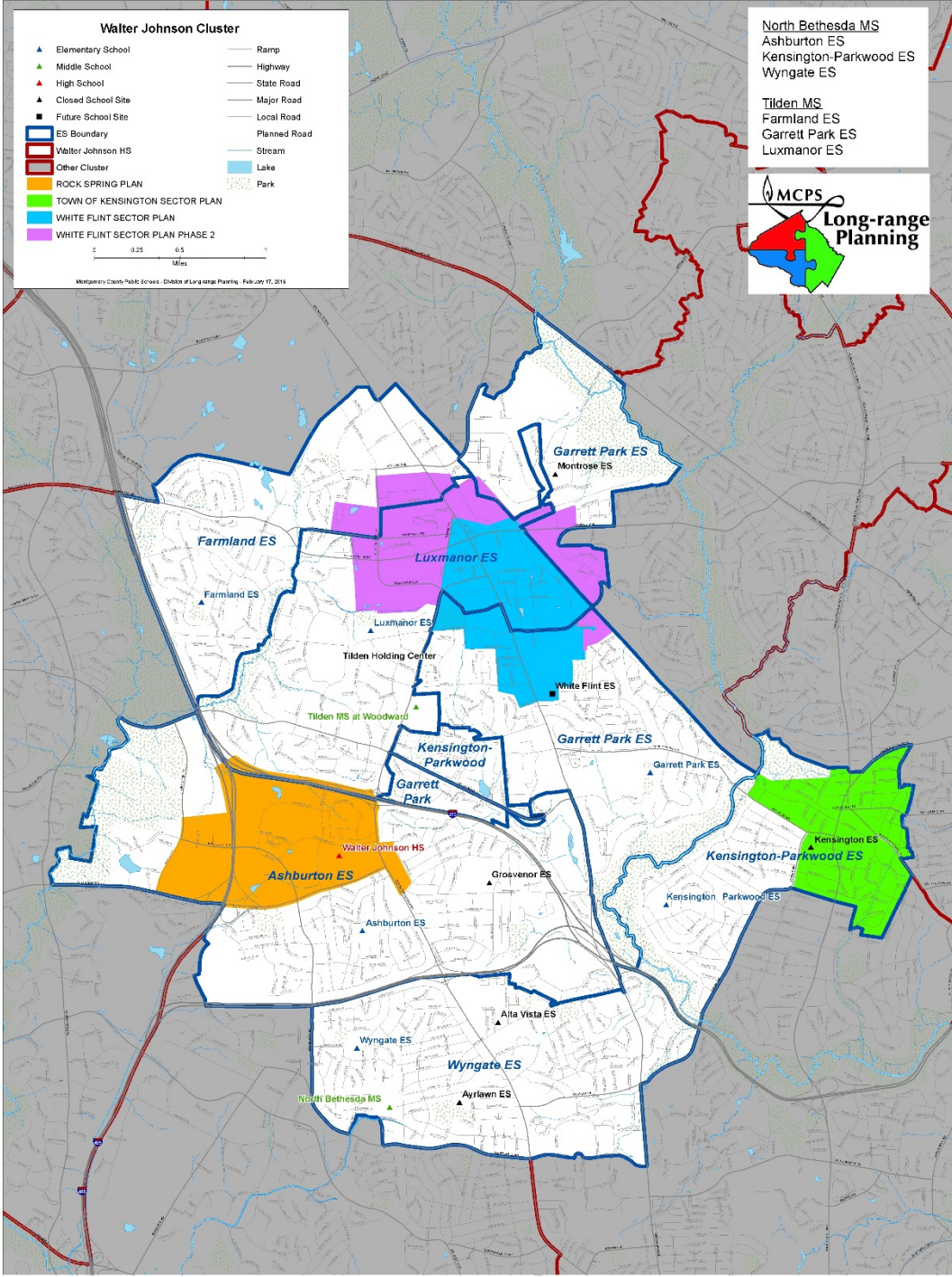
0 0.25 0.5 1 Miles

Montgomery County Public Schools - Division of Long-range Planning - February 17, 2014

North Bethesda MS
Ashburton ES
Kensington-Parkwood ES
Wyngate ES

Tilden MS
Farmland ES
Garrett Park ES
Luxmanor ES

MCPS
**Long-range
Planning**



Roundtable Process



Roundtable Process

- Guided by the BOE Long-range Educational Facilities Planning Policy (FAA) and MCPS Regulation (FAA-RA).
- Roundtable serves in an advisory role to the superintendent who will make recommendations for Board consideration.
- No specific boundary changes will be considered by the Roundtable.
- No recommendations or decisions will be made as part of the roundtable discussion group.

Roundtable Member Role

- Will develop criteria to help develop and evaluate approaches.
- Will brainstorm possible approaches to solve the space deficits in the Walter Johnson Cluster schools.
- Roundtable members will schedule meetings with the school communities they represent to obtain feedback on the approaches.
- Roundtable members will report out on the feedback they have received, and additional approaches may be developed.

MCPS Staff Role

- Facilitate all meetings.
- Prepare all materials and develop additional approaches if appropriate.
- Invite staff from MCPS and other agencies to meet with the Roundtable as appropriate.
- Draft final report of the Roundtable.



Roundtable Report

- Report will include the following:
 - Background information
 - Description of Approaches
 - Pros and Cons of each approach
 - Roundtable Member evaluations
 - PTA position papers, if submitted
- Report submitted to superintendent and Board for consideration
- No recommendation or decisions included in report



Roundtable Meetings

Meeting		Activities
1	Feb. 17	Process, Housing Development, Enrollment Projections
2	Feb. 24	Develop Criteria, Brainstorm Secondary School Approaches
3	Mar. 2	Review and discuss secondary school approaches
4	Mar. 16	Share pluses/minuses. Brainstorm elementary school approaches. Determine if additional secondary school approaches are needed.
5	Apr. 6	Review and discuss elementary school approaches/secondary school approaches. Continue discussion of secondary school approaches.
6	Apr. 21	Share pluses/minuses of elementary school approaches. Determine if additional elementary school approaches are needed.
7	May 4	Review additional approaches as needed. Continue discussion. Review items for report
--	May 11	2 nd Public Information Meeting—Present Approaches
8	May 18	Share pluses/minuses of elementary school approaches if needed. Finalize report.
		PTAs will schedule meetings to share approaches/gather feedback.

Superintendent and BOE Schedule

- June 1, 2016 Roundtable Report
- Mid-October 2016 Superintendent's Recommendation
- Early November 2016 Board of Education Work session
- Mid-November 2016 Board of Education Public Hearing
- November 2016 Board of Education Action

Montgomery County Planning

White Flint Sector Plan

Rock Spring Master Plan

White Flint Sector Plan

Midtown on the Pike



Plan Area

White Flint Sector Plan

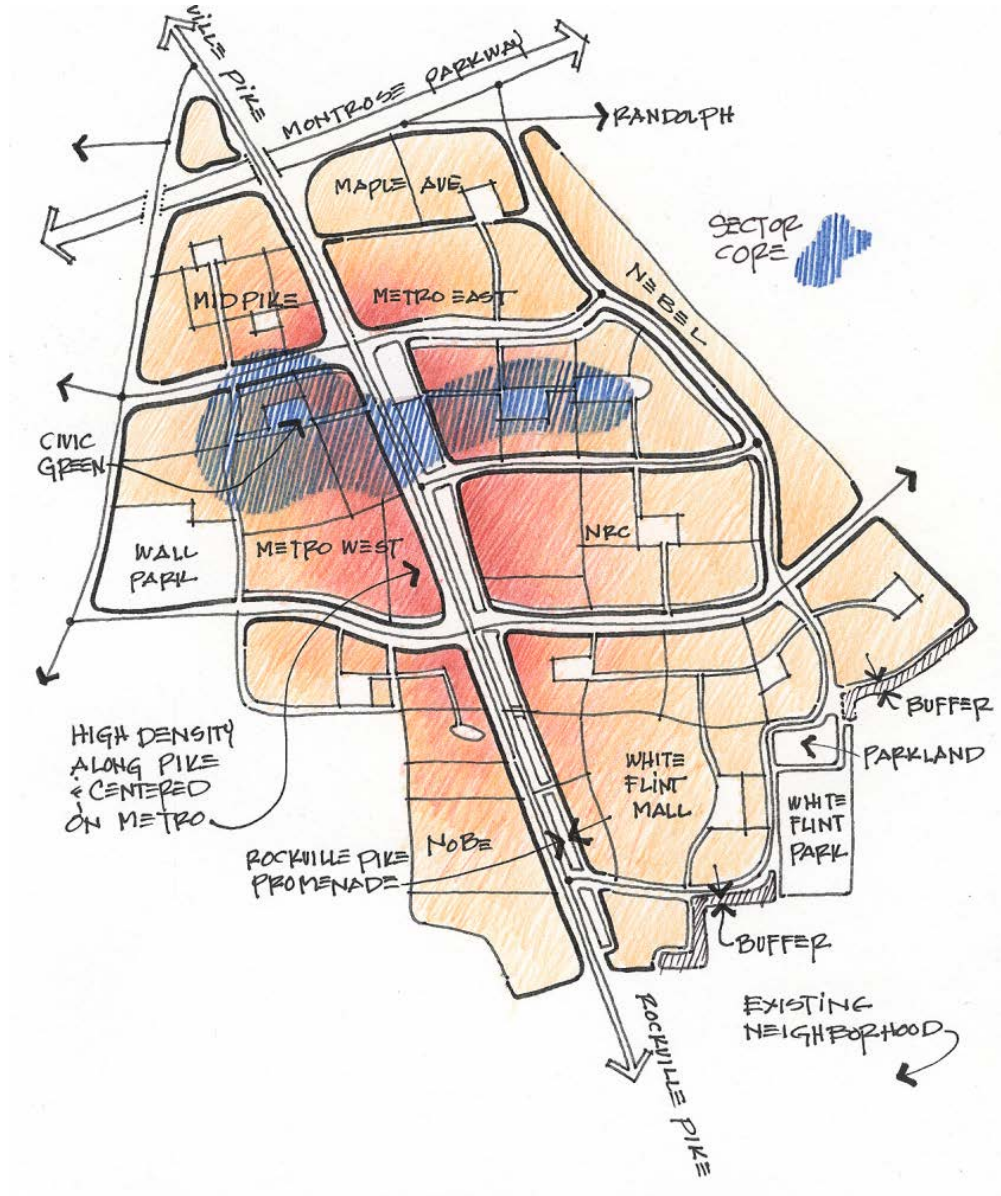


Amendment to the 1992 North
Bethesda-Garrett Park Master
Plan

430 acres

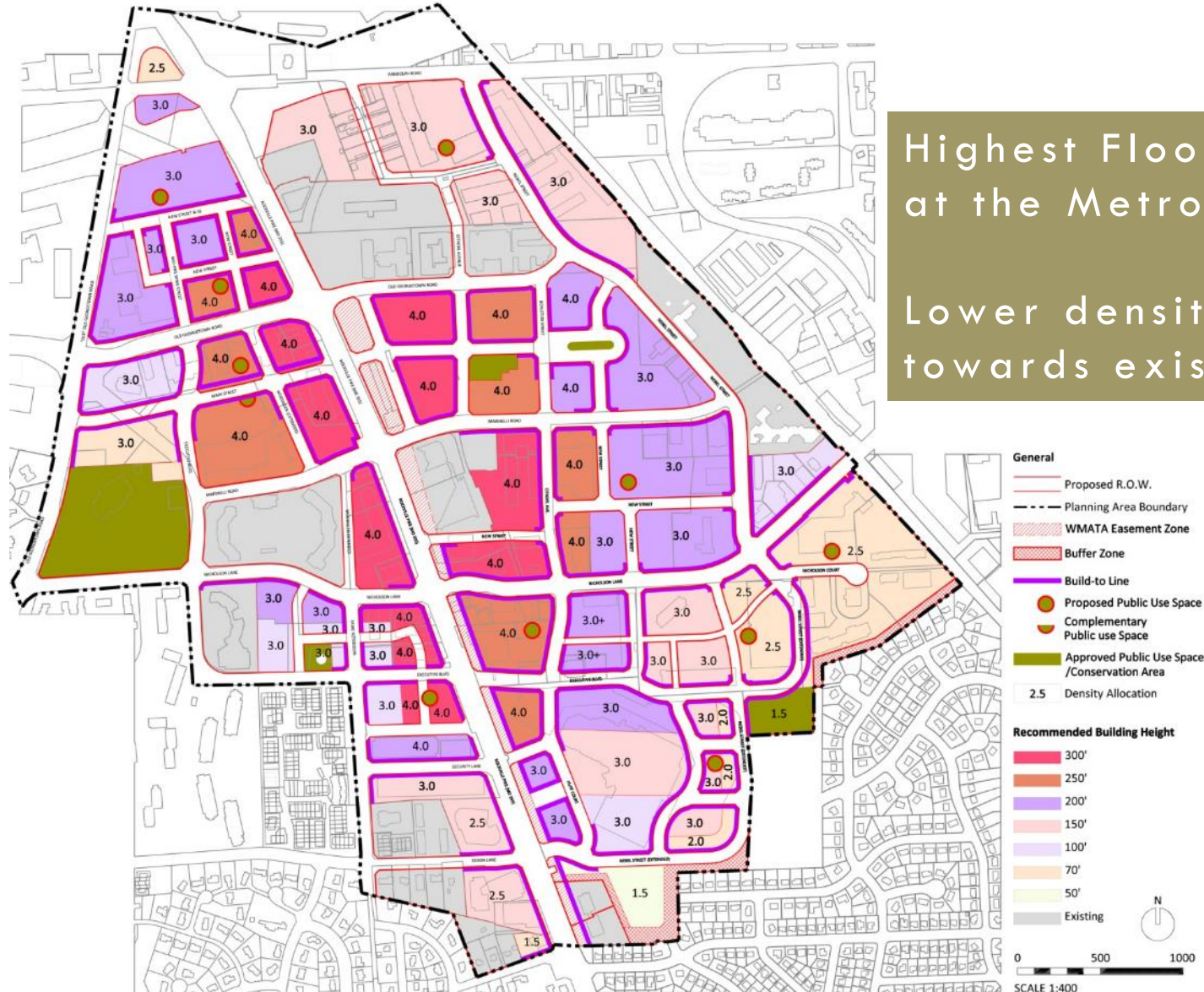
Plan Area Concept

White Flint Sector Plan



Overall Framework

White Flint Sector Plan

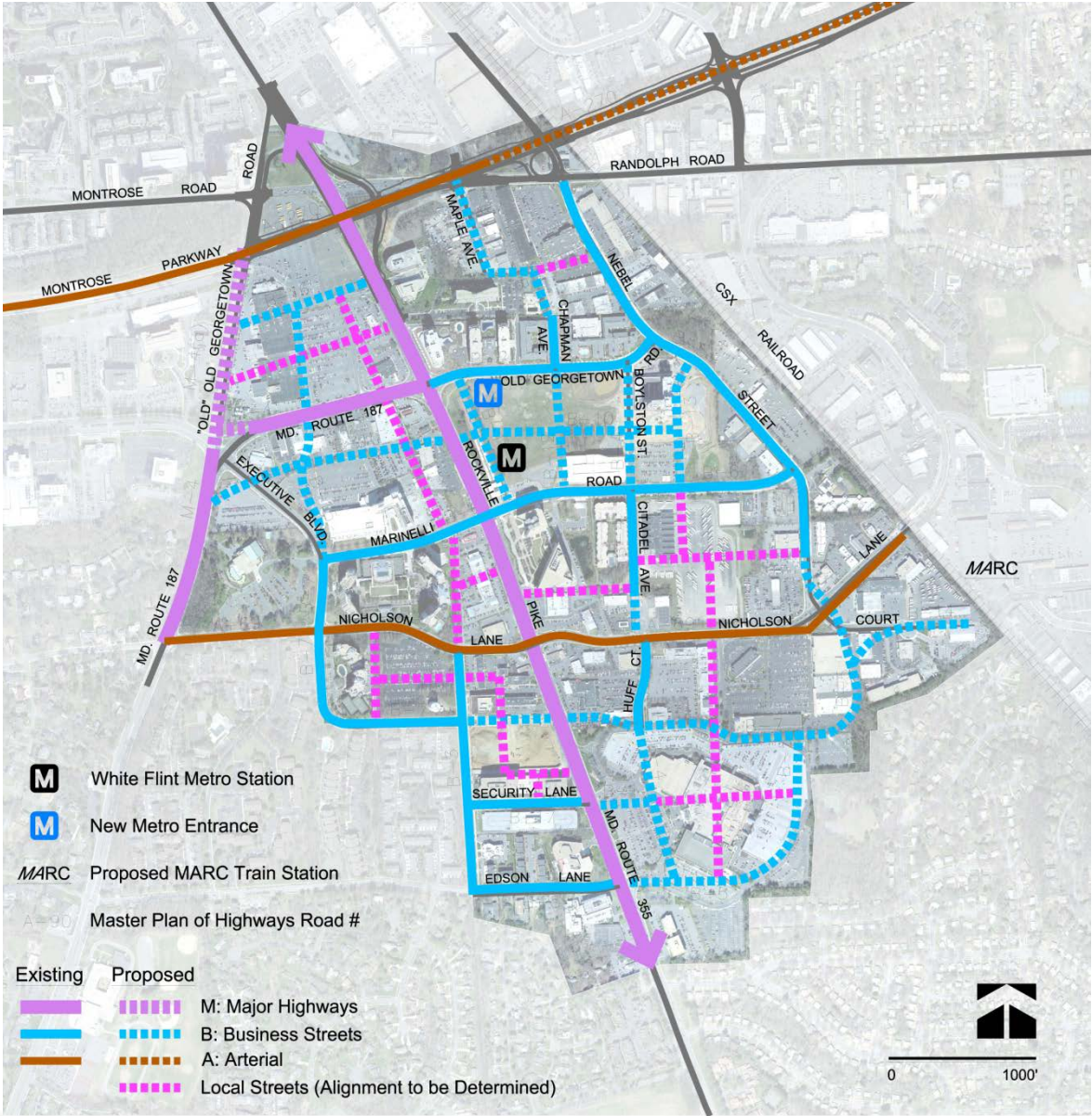


Highest Floor Area Ratio (FAR)
at the Metro and along MD 355

Lower densities and heights
towards existing neighborhoods

Existing and Proposed Street Network

White Flint Sector Plan



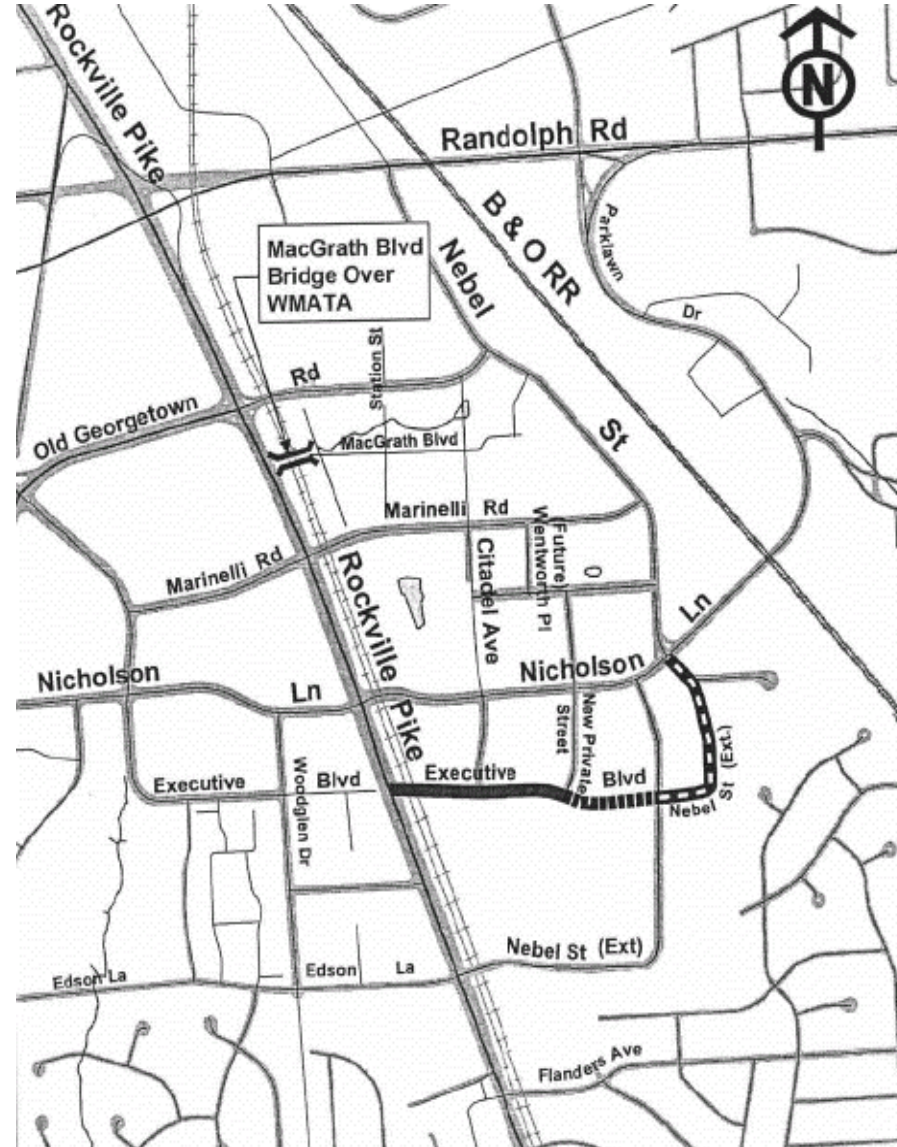
Local network of streets
Commercial business streets
Major highways

Capital Improvements Program

White Flint Sector Plan



Metro West

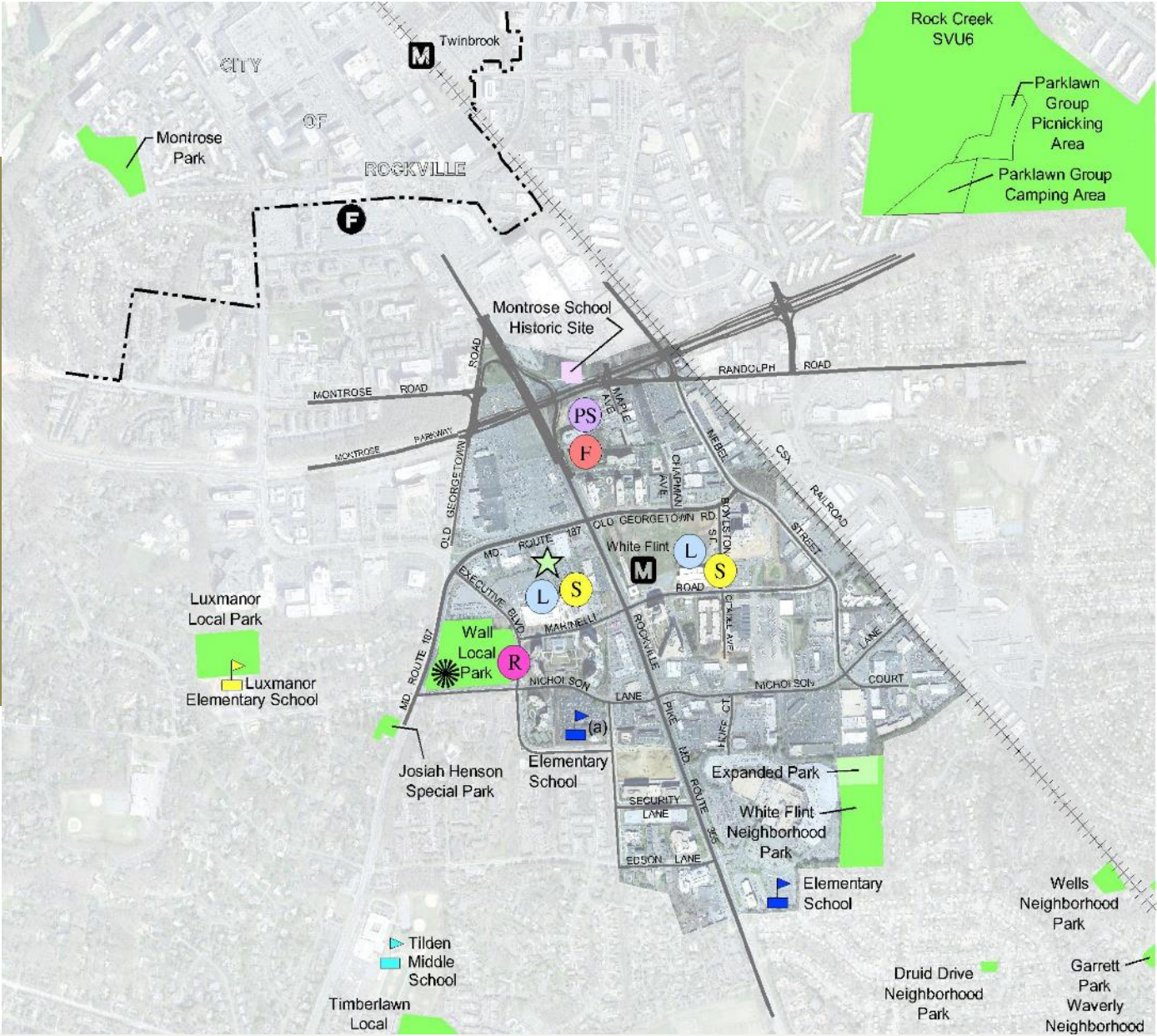


Metro East

Community Facilities

White Flint Sector Plan

- satellite regional
- services center
- library
- civic green
- fire and emergency
- services
- police substation
- renovate wall park
- expand white flint
- neighborhood park
- farmers' market



Phasing

White Flint Sector Plan

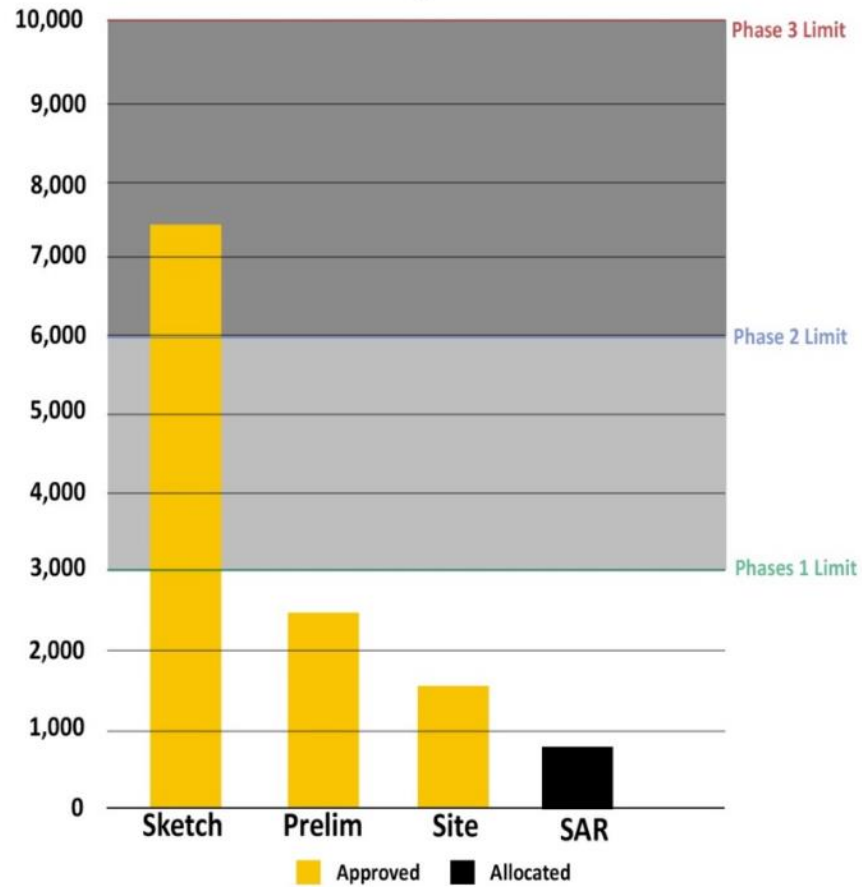
Table 6 : Staging Plan

Phase 1 3,000 dwelling units 2 million square feet non-residential	Phase 2 3,000 dwelling units 2 million square feet non-residential	Phase 3 3,800 dwelling units 1.69 million square feet non-residential
<p>Contract for the construction of the realignment of Executive Boulevard and Old Georgetown Road.</p> <p>Contract for construction of Market Street (B-10) in the Conference Center block.</p> <p>Fund streetscape improvements, sidewalk improvements, and bikeways for substantially all of the street frontage within one-quarter mile of the Metro station: Old Georgetown Road, Marinelli Road, and Nicholson Lane.</p> <p>Fund and complete the design study for Rockville Pike to be coordinated with SHA, MCDOT and M-NCPPC.</p> <p>Achieve 34 percent non-auto driver mode share for the Plan area.</p> <p>The Planning Board should assess whether the build out of the Sector Plan is achieving the Plan's housing goals.</p>	<p>Construct streetscape improvements, sidewalk improvements, and bikeways for substantially all of the street frontage within one-quarter mile of the Metro station: Old Georgetown Road, Marinelli Road, and Nicholson Lane.</p> <p>Complete realignment of Executive Boulevard and Old Georgetown Road.</p> <p>Construct the portion of Market Street as needed for road capacity.</p> <p>Fund the second entrance to the White Flint Metro Station.</p> <p>Explore the potential for expediting portions of Rockville Pike where sufficient right-of-way exists or has been dedicated. It should be constructed once the "work-around" roads are open to traffic.</p> <p>Increase non-auto driver mode to 42 percent.</p> <p>The Planning Board should assess whether the build out of the Sector Plan is achieving the Plan's housing goals.</p> <p>The Planning Board must develop a plan to determine how to bring the mode share to 51 percent NADMS for residents and 50 percent NADMS for employees during Phase 3.</p>	<p>Complete all streetscape improvements, sidewalks, and bikeways outside one-quarter mile from the Metro.</p> <p>Reconstruct any remaining portion of Rockville Pike not constructed during prior phases.</p> <p>Achieve the ultimate mode share goals of 51 percent NADMS for residents and 50 percent NADMS for employees.</p>

Staging of Development

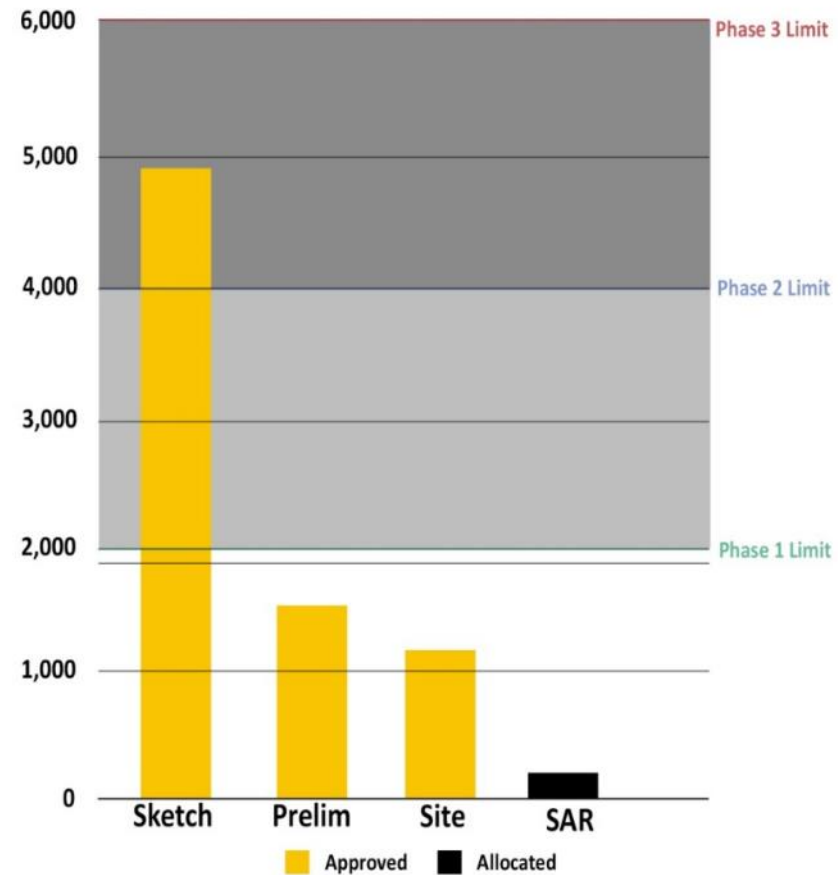
White Flint Sector Plan

Dwelling Units



Remaining Dwelling Unit Capacity: 2,139

Non-Residential Sq. Feet

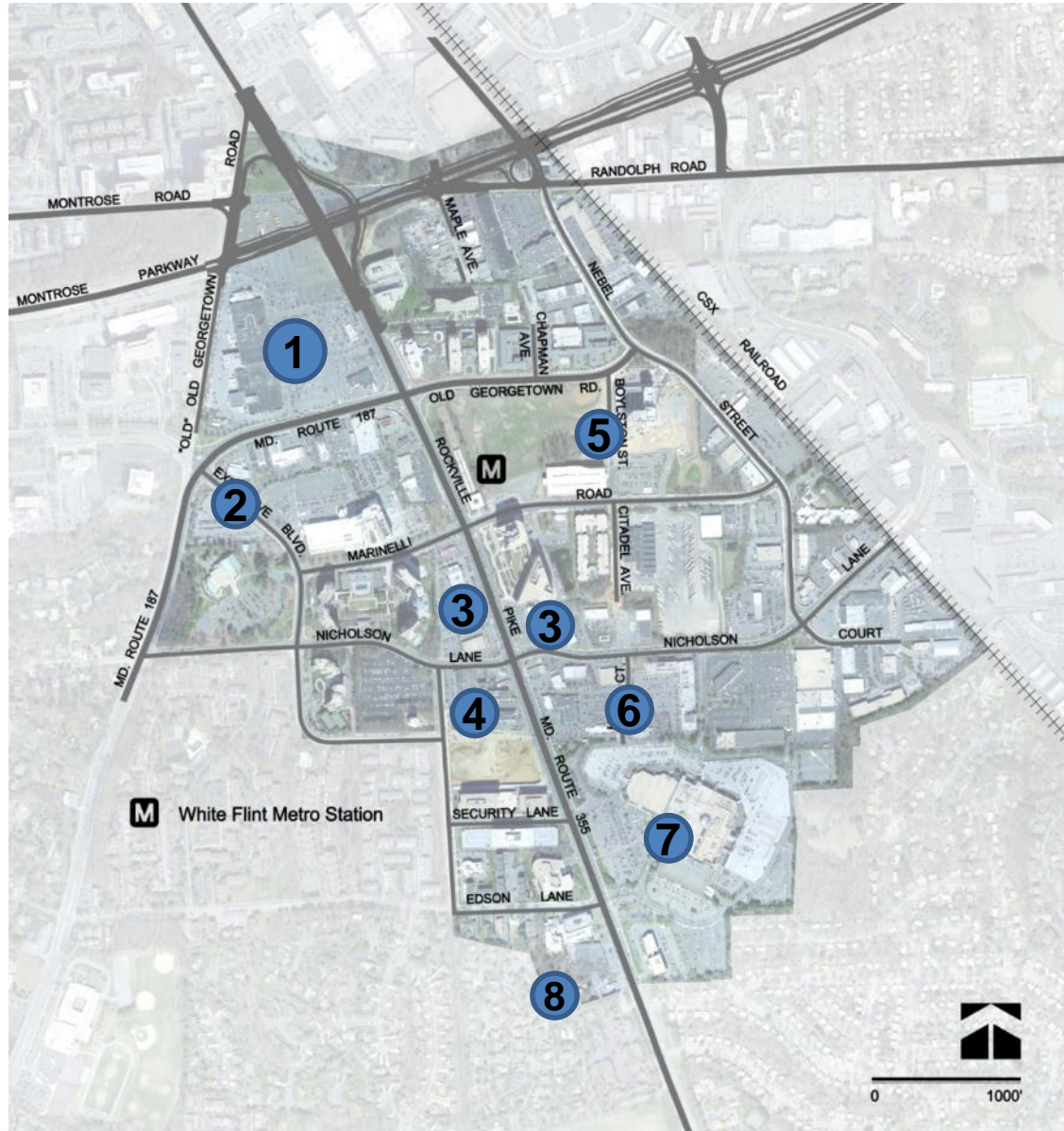


Remaining Dwelling Unit Capacity: 1,787,042

All SAR units have been allocated at
Pike & Rose-Phase I and II

Development Locations

White Flint Sector Plan



- 1 Pike & Rose
- 2 Gables White Flint
- 3 Saul Centers
- 4 NoBe II
- 5 North Bethesda Center
- 6 North Bethesda Gateway
- 7 White Flint Mall
- 8 Offutt Estates

Pipeline Projects

White Flint Sector Plan

Project Name	Approved Development	Status
North Bethesda Center	Residential: 1,350 dwelling units Non-Residential: 1.3 million square feet	Partially Built Wentworth House: 312 dwelling units and 61, 246 sq.ft of retail Aurora: 341 dwelling units NRC Office: 352, 622 sq.ft.
North Bethesda Market/NoBe	Residential: 440 dwelling units Non-Residential: 223,000 square feet	Built Residential: 411 dwelling units Non-Residential: 209,200 sq.ft.
White Flint View	Residential: 183 dwelling units Non-Residential: 29,500 square feet	Unbuilt
Holladay/Saul Centers	Residential: 247 dwelling units Non-Residential: 201,822 square feet	Unbuilt; included in Saul Centers White Flint (West Side) Site Plan.

New Development

White Flint Sector Plan

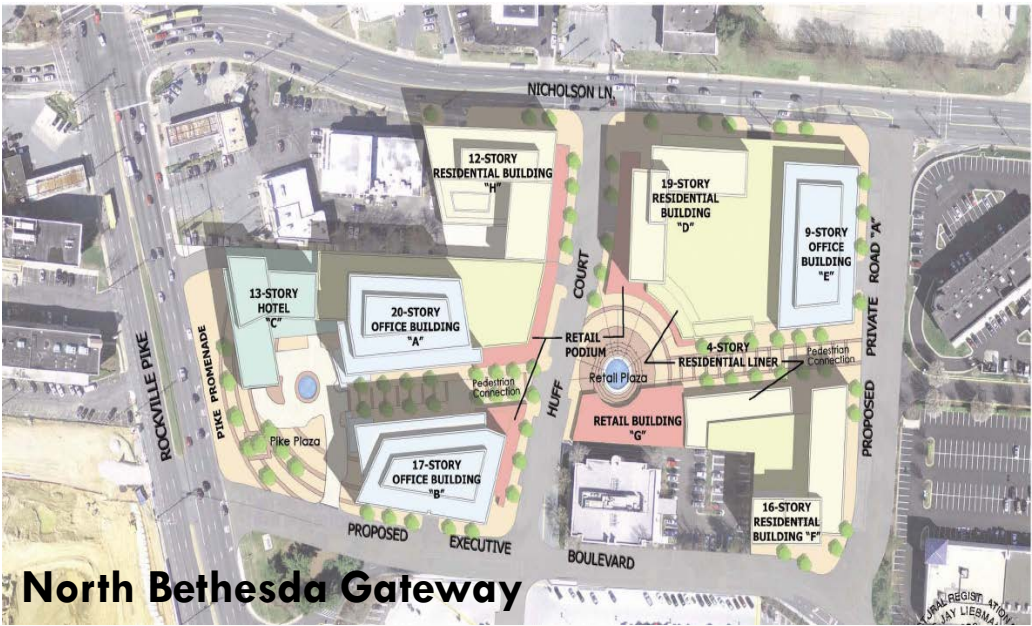


New Development

White Flint Sector Plan



East Village at North Bethesda Gateway



North Bethesda Gateway



Nobe II

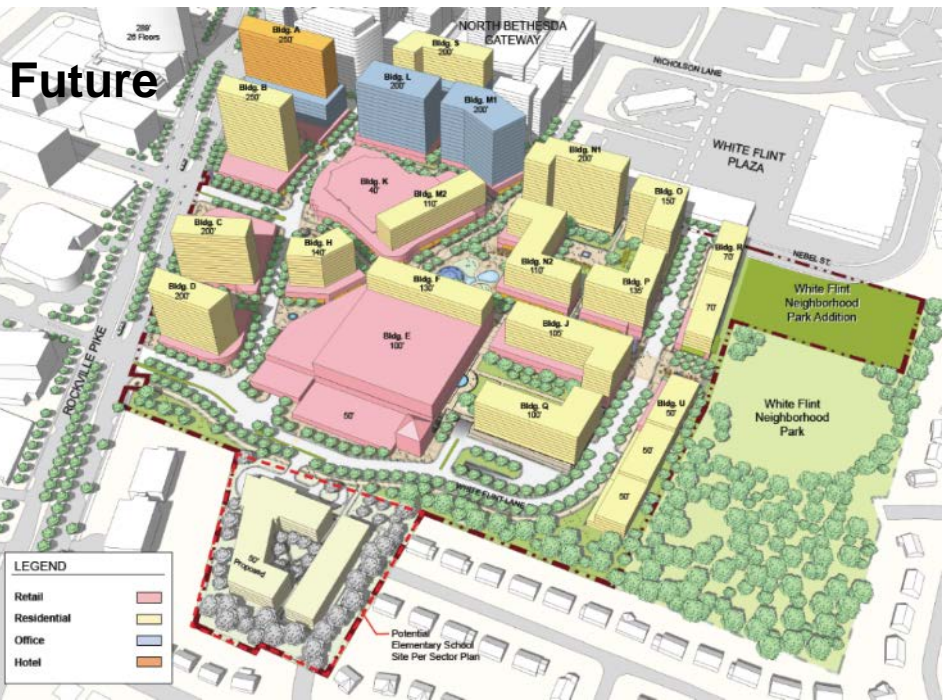
New Development

White Flint Sector Plan

Future



Future



White Flint Mall Approved Sketch Plan

Residential:

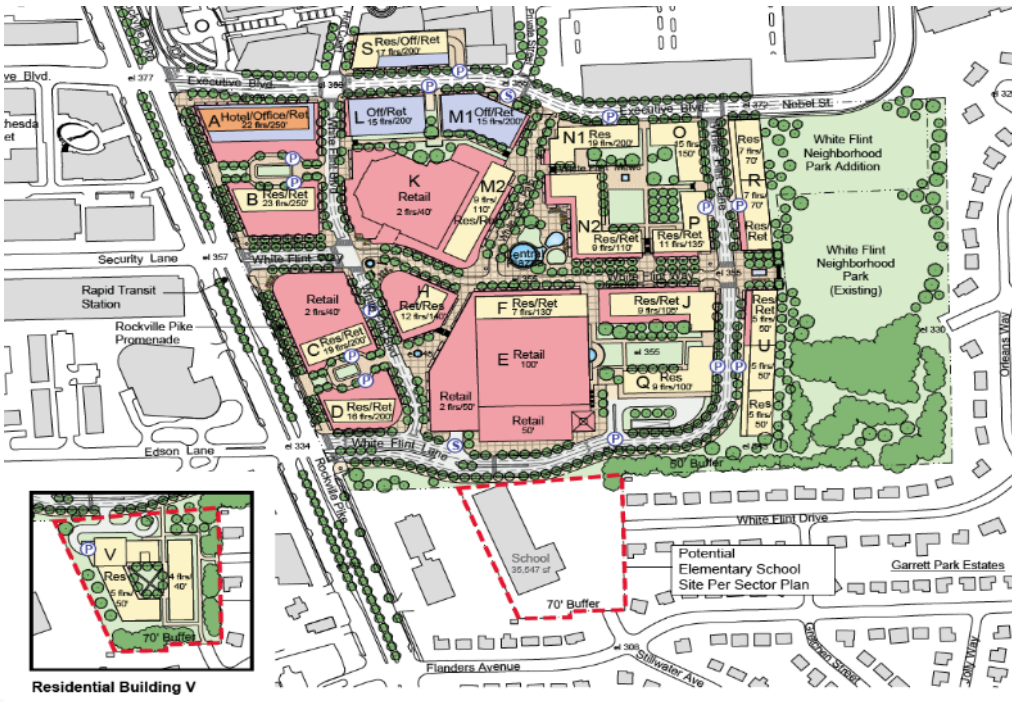
2,459 dwelling units

Non-Residential:

Retail: 1.0 million Square Feet

Office: 1.0 million Square Feet

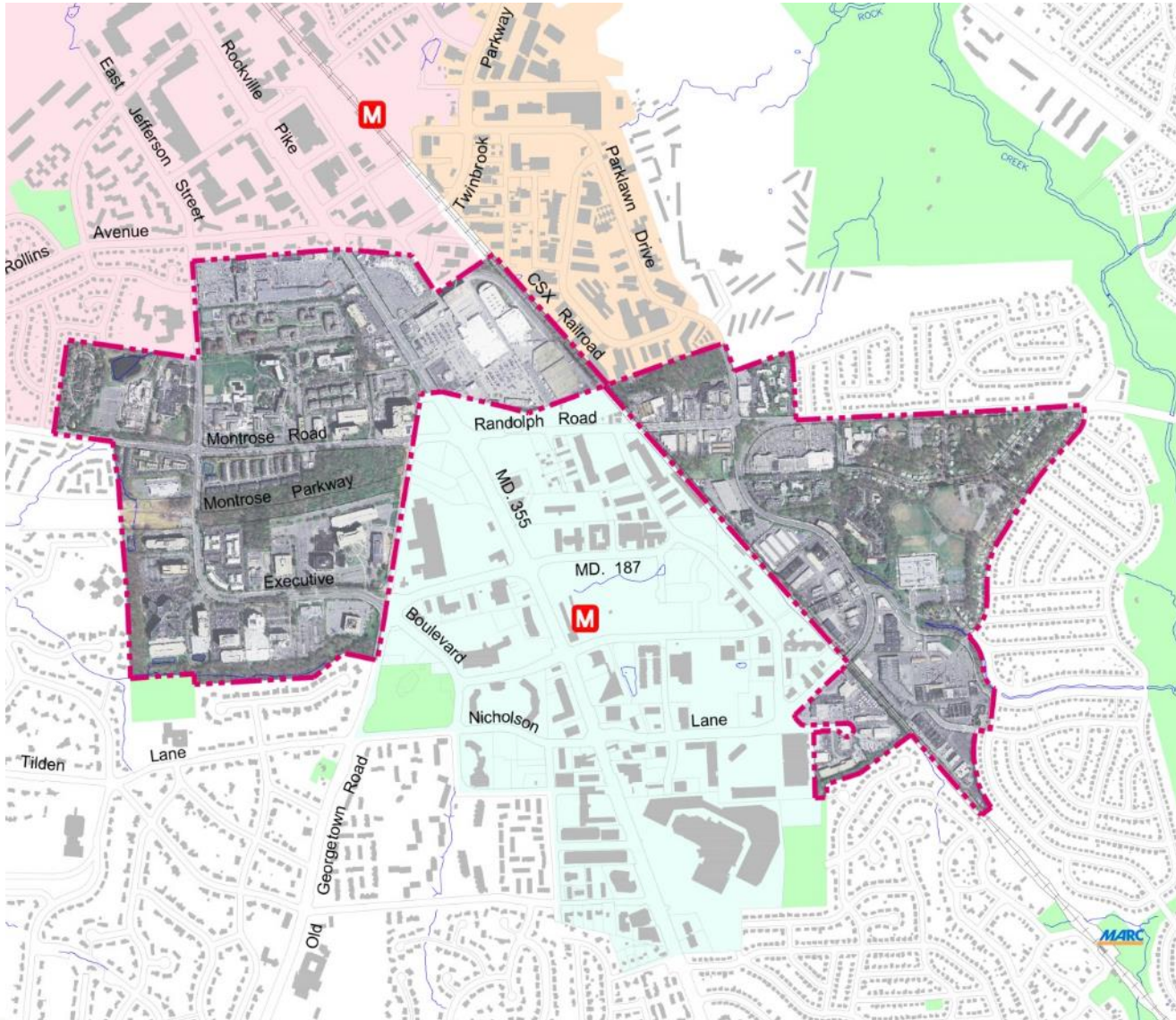
Hotel: 279,175 Square Feet (300 keys)



MONTGOMERY COUNTY PLANNING DEPARTMENT



Planning Area



Land Area: 455 acres

Existing Residential: 1,904 dwelling units

Existing Non-Residential: 6.44 million square feet



Walter Johnson Cluster Roundtable

February 17, 2016

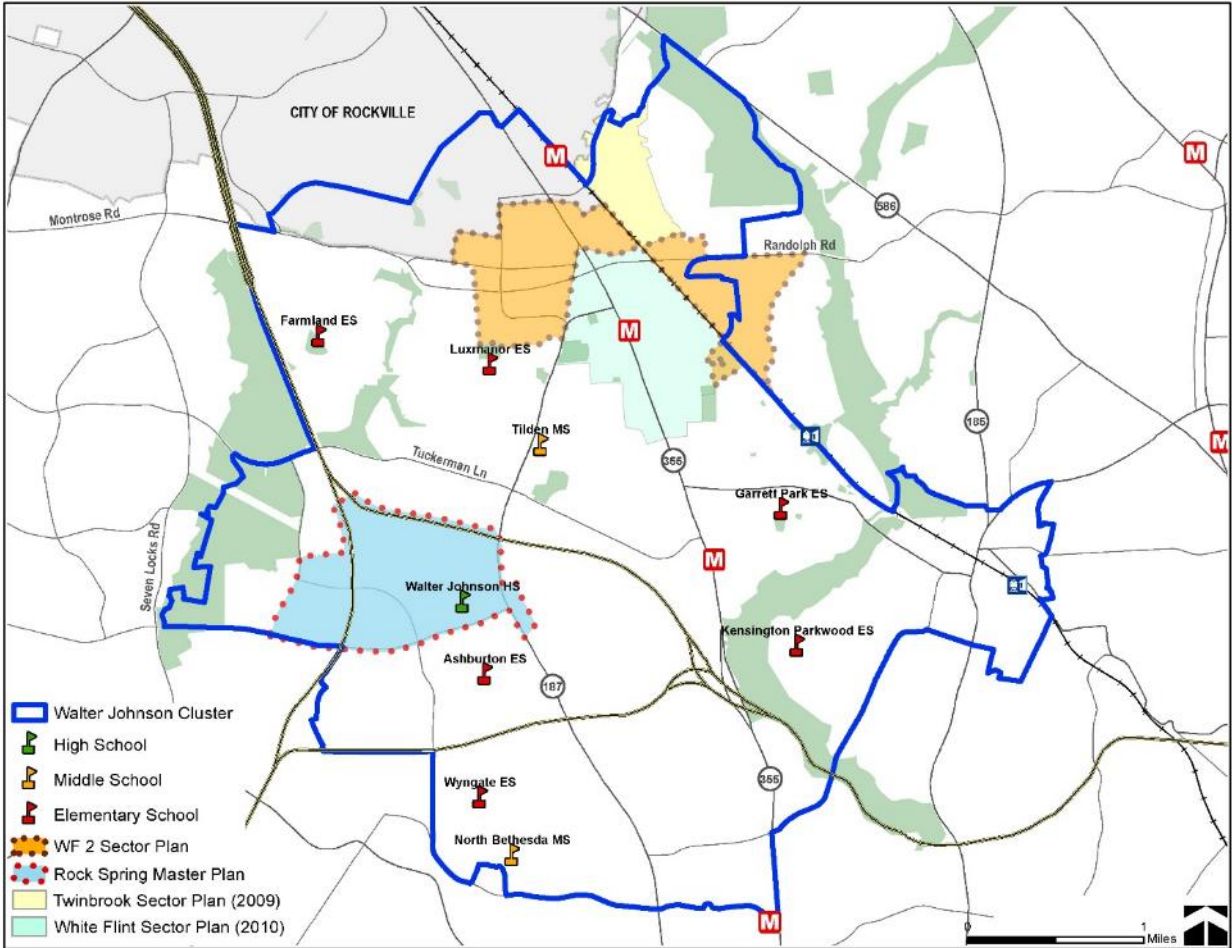
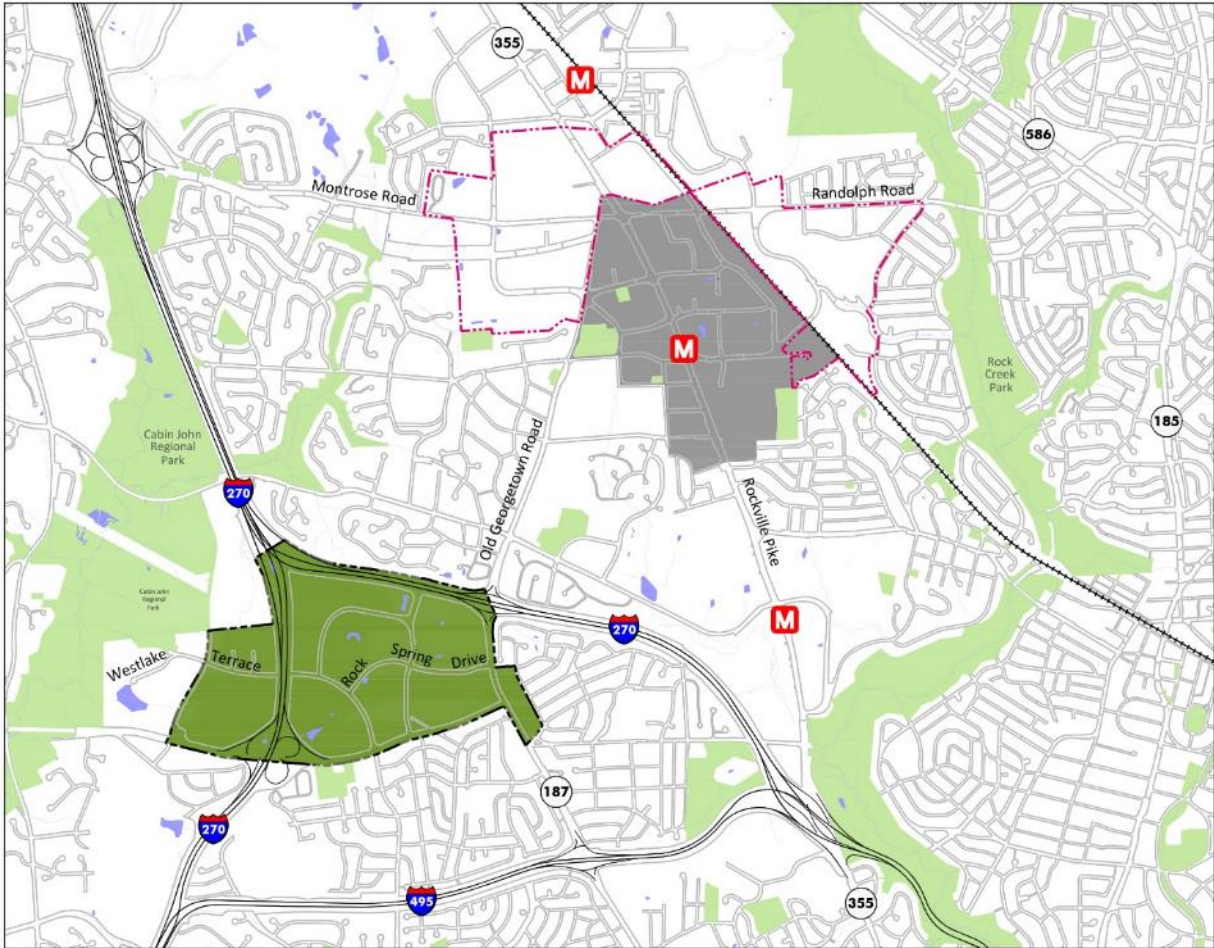
M-NCPPC

Montgomery County Planning Department

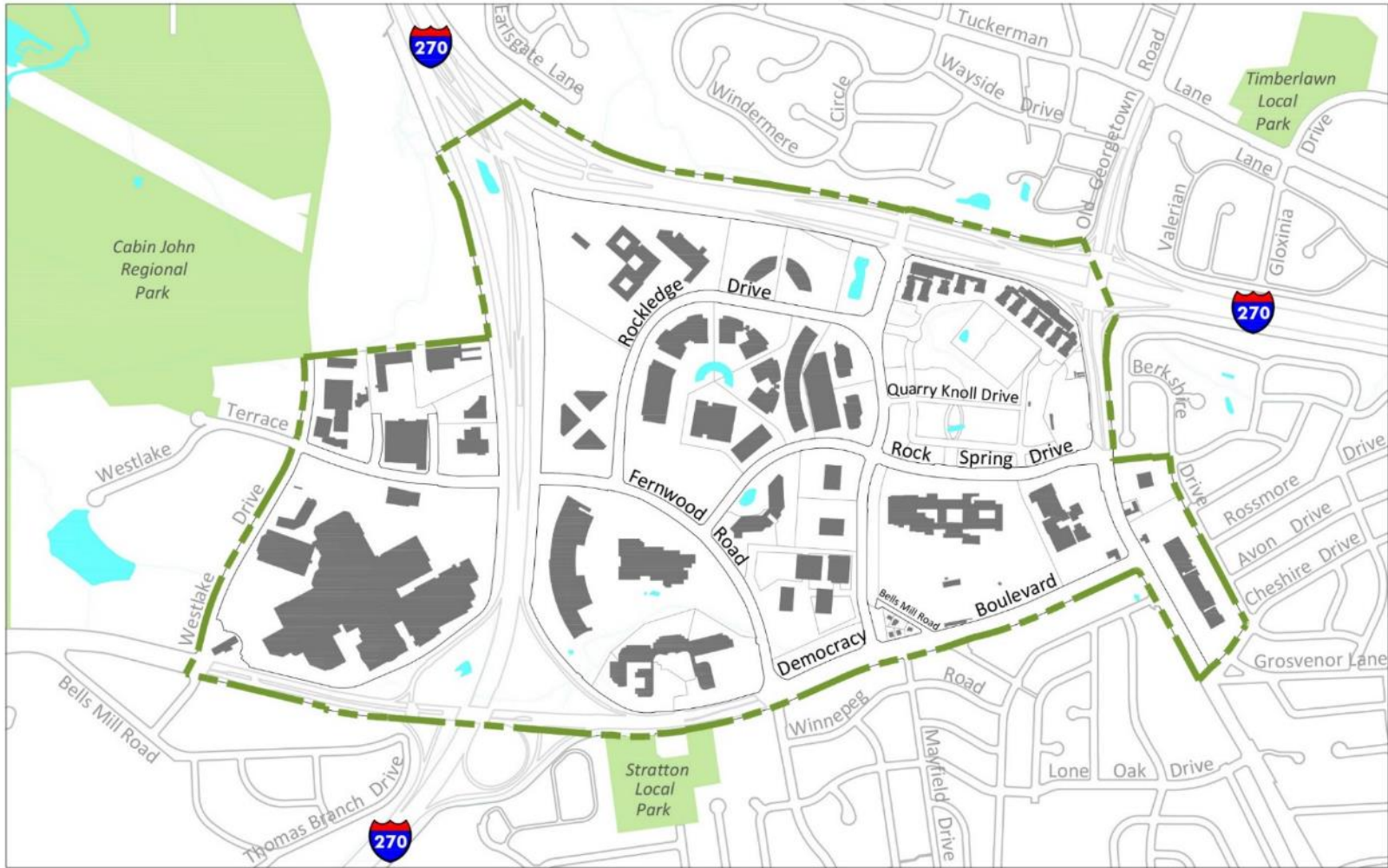
montgomeryplanning.org



Rock Spring And White Flint 2 Study Areas



Rock Spring Master Plan



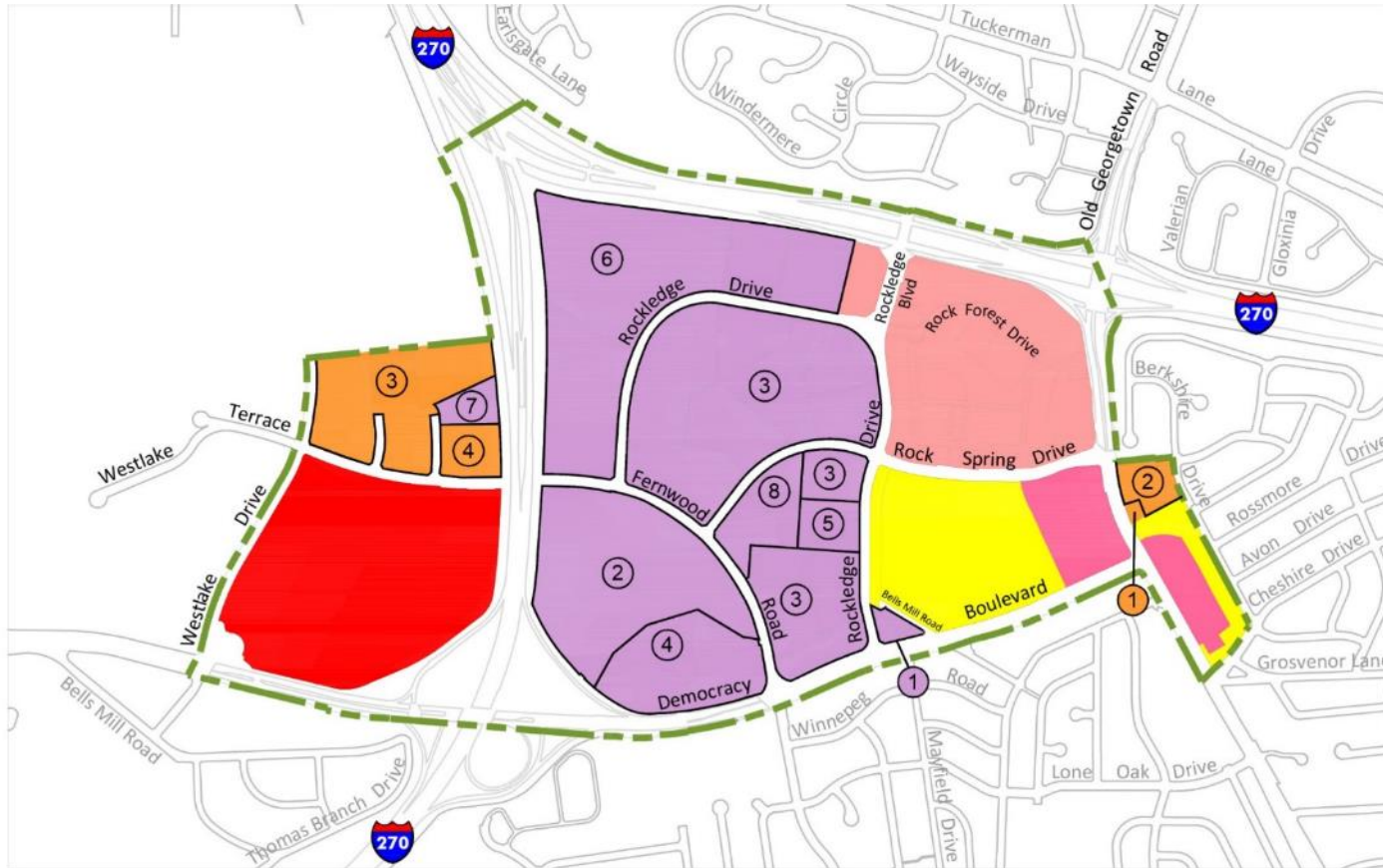
- Rock Spring Master Plan Boundary
- Parkland

Amendment to the
1992 North Bethesda-
Garrett Park Master
Plan

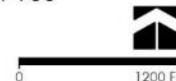
535 acres



Existing Zoning



 Rock Spring Master Plan Boundary	CRT Commercial Residential Town	3 EOF 1.0, H-100'
R-90 One-Family Detached Residential	1 CRT 0.75, C-0.75, R-0.25, H-35'	4 EOF 1.0, H-110'
GR General Retail	2 CRT 1.25, C-0.5, R-0.75, H-50'	5 EOF 1.25, H-100'
NR Neighborhood Retail	3 CRT 2.25, C-1.5, R-0.75, H-75'	6 EOF 1.25, H-150'
CR Commercial Residential	4 CRT 2.5, C-1.5, R-2.0, H-75'	7 EOF 1.5, H-75'
	EOF Employment Office	8 EOF 1.5, H-100'
	1 EOF 0.5, H-60'	
	2 EOF 0.75, H-100'	



Employment Office Zoning in the middle.

Mix of General and Neighborhood Retail & Commercial/Residential Zoning to the east & west.

Residential zoning at Walter Johnson & parking areas of Wildwood Shopping Center.

Development Locations



- ① Ourisman Ford
- ② EYA –
Montgomery Row
- ③ Rock Spring Center
- ④ Aubinoe Residential
Building

Pipeline Projects

Rock Spring Master Plan

Project Name	Approved Development	Status
Rock Spring Center	Residential: 1,250 dwelling units Non-Residential: 1.05 million SF	Partially Built: Berkshire Apts - 386 dwelling units Remainder unbuilt
EYA – Montgomery Row	Residential: 168 dwelling units Non-Residential: n/a	Under construction
Ourisman Ford	Residential: 340 dwelling units Non-Residential: 54,000 SF	Unbuilt
Aubinoe Residential Building	Residential: 58 dwelling units Non-Residential: n/a	Unbuilt

Pipeline Development

Rock Spring Master Plan



Public Information

Project Websites

White Flint Sector Plan

www.montgomeryplanning.org/community/whiteflint/

White Flint 2 Sector Plan

www.montgomeryplanning.org/community/whiteflint2/

Rock Spring Master Plan

www.montgomeryplanning.org/community/rockspring/

Walter Johnson Cluster Roundtable Discussion Group

Enrollment Projections, Housing Developments and Master Plans

Bruce Crispell. Director
Division of Long-range Planning

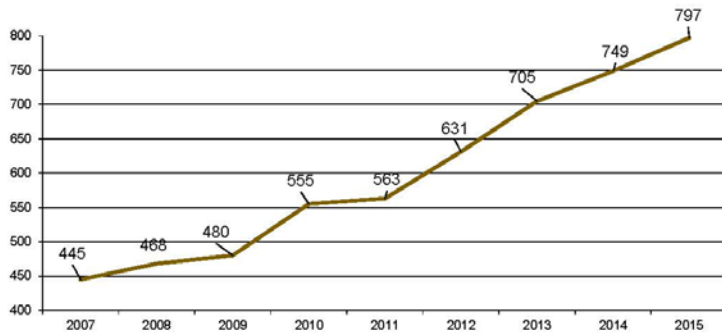
February 17, 2016



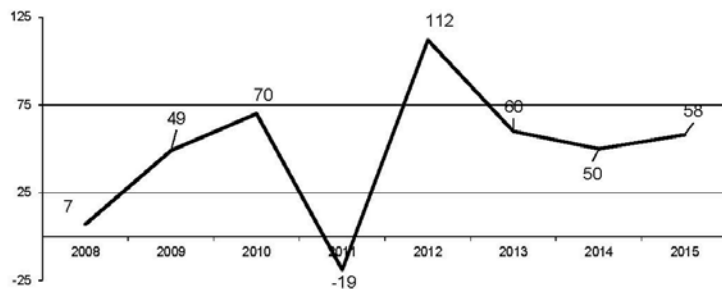
Components of Enrollment Change at Schools



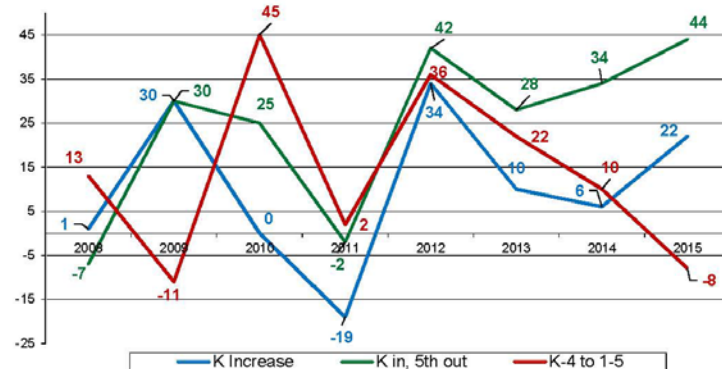
Garrett Park ES Enrollment, 2007 to 2015



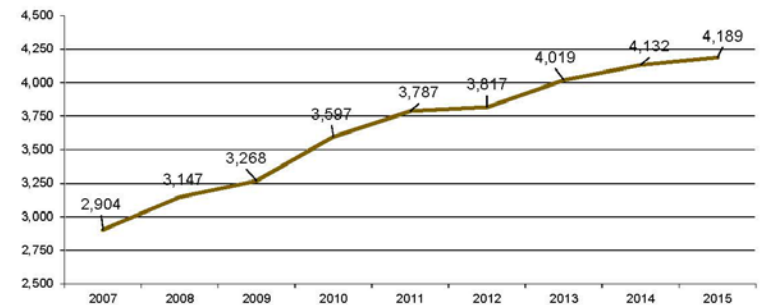
Garrett Park ES Enrollment Annual Enrollment Change
Annual Change 2014 to 2015 = +58 = (44 + 22 - 8)



Garrett Park ES Enrollment Change, by Component
2008 to 2015

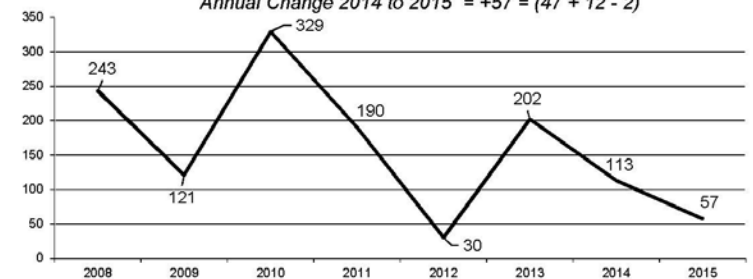


Walter Johnson Cluster Total Elementary Enrollment, 2007 to 2015

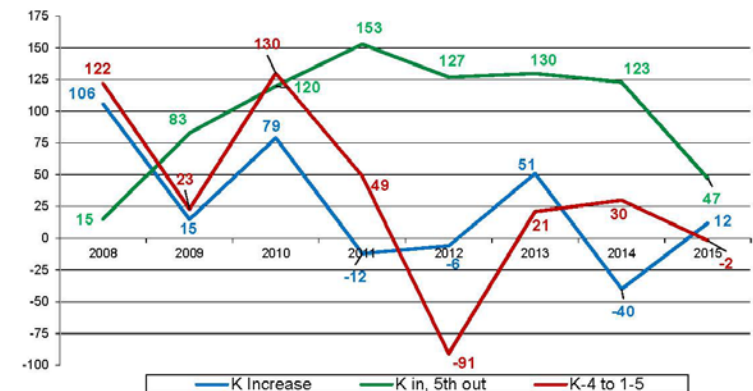


Walter Johnson Cluster Annual Elementary Enrollment Change
2008 to 2015

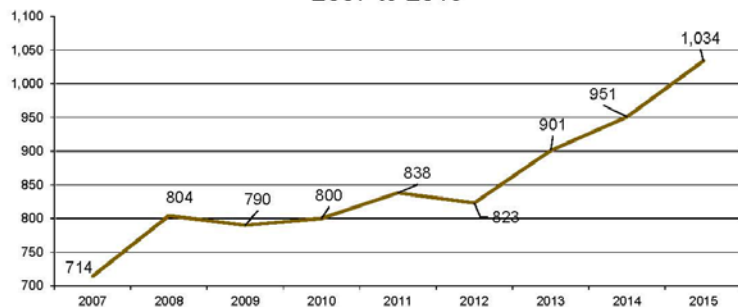
Annual Change 2014 to 2015 = +57 = (47 + 12 - 2)



Walter Johnson Cluster Elementary Enrollment Change, by Component 2008 to 2015

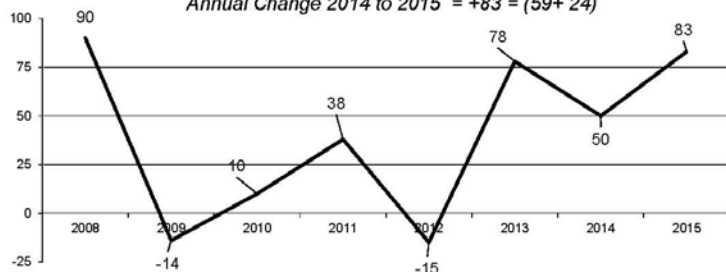


North Bethesda Middle School Enrollment 2007 to 2015

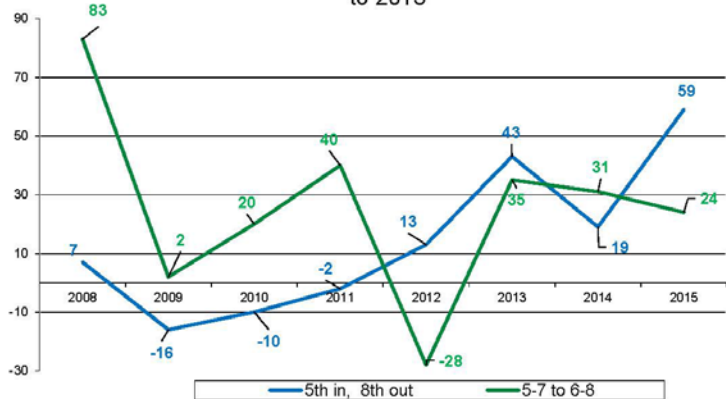


North Bethesda MS Annual Elementary Enrollment Change 2008 to 2015

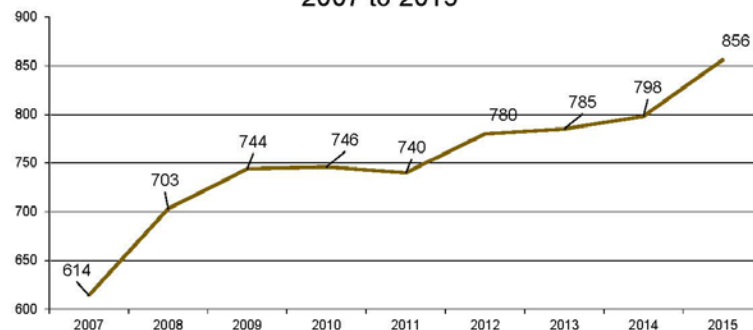
Annual Change 2014 to 2015 = +83 = (59+ 24)



North Bethesda MS Enrollment Change, by Component 2008 to 2015

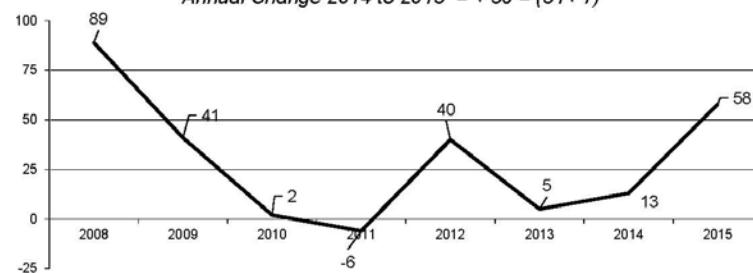


Tilden Middle School Enrollment 2007 to 2015

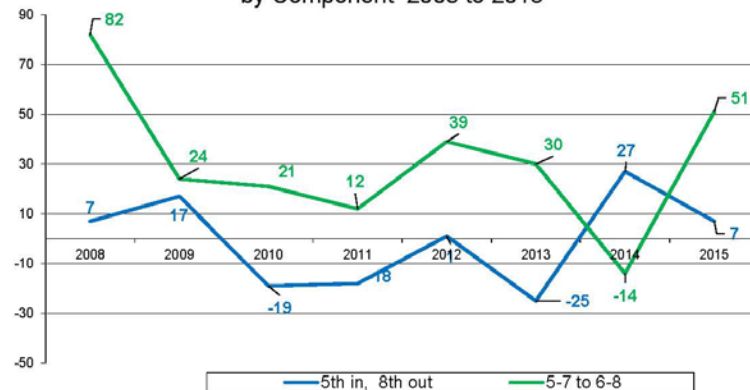


Tilden MS Annual Elementary Enrollment Change 2008 to 2015

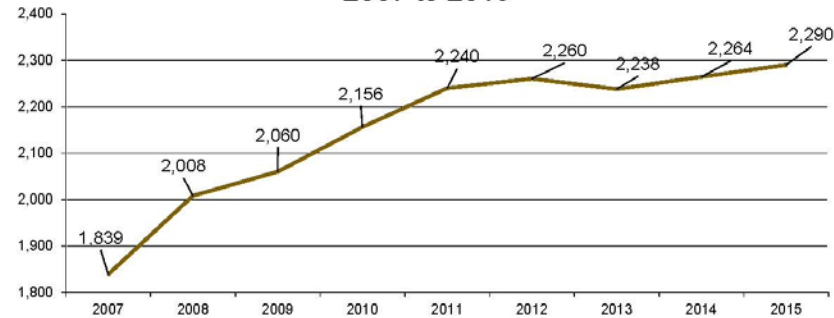
Annual Change 2014 to 2015 = + 58 = (51+ 7)



Tilden MS Enrollment Change, by Component 2008 to 2015

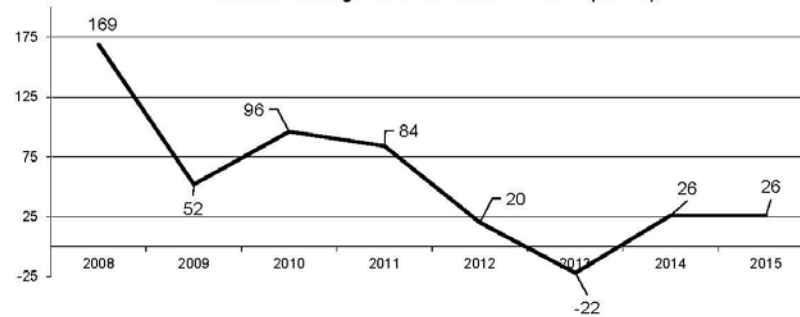


Walter Johnson High School Enrollment 2007 to 2015

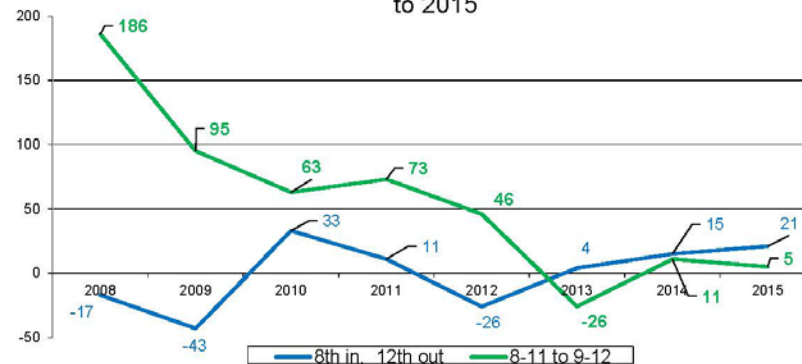


Walter Johnson HS Annual Elementary Enrollment Change 2008 to 2015

Annual Change 2014 to 2015 = +26 = (21+ 5)



Walter Johnson HS Enrollment Change, by Component 2008 to 2015



School Enrollment Projections



Enrollment Projections

	ENROLLMENT								
SCHOOLS	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2025	2030
Walter Johnson H.S.									
Program Capacity	2335	2335	2335	2335	2335	2335	2335	2335	2335
Enrollment	2289	2304	2356	2466	2649	2763	2865	3000	3100
space available	46	31	-21	-131	-314	-428	-530	-665	-765
North Bethesda M.S.									
Program Capacity	864	864	864	1229	1229	1229	1229	1229	1229
Enrollment	1028	1133	1183	1200	1206	1194	1181	1300	1200
space available	-164	-269	-319	29	23	35	48	-71	29
Tilden M.S.									
Program Capacity	939	939	939	939	939	1200	1200	1200	1200
Enrollment	850	939	959	992	1024	1094	1132	1300	1300
space available	89	0	-20	-53	-85	106	68	-100	-100

Enrollment Projections

SCHOOLS	OFFICIAL ENROLLMENT	PROJECTED ENROLLMENT							
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2025	2030
Ashburton E.S.									
Program Capacity	652	652	652	652	881	881	881		
Enrollment	911	924	926	917	895	890	886		
space available	-259	-272	-274	-265	-14	-9	-5		
					Addition opens				
Farmland E.S.									
Program Capacity	729	729	729	729	729	729	729		
Enrollment	691	734	762	755	744	747	745		
space available	38	-5	-33	-26	-15	-18	-16		
Garrett Park E.S.									
Program Capacity	752	752	752	752	752	752	752		
Enrollment	804	844	874	902	904	902	880		
space available	-52	-92	-122	-150	-152	-150	-128		
Kensington-Parkwood E.S.									
Program Capacity	472	472	472	746	746	746	746		
Enrollment	644	664	672	685	688	706	715		
space available	-172	-192	-200	61	58	40	31		
				Addition opens					
Luxmanor E.S.									
Program Capacity	429	429	429	429	745	745	745		
Enrollment	429	442	457	472	500	512	542		
space available	0	-13	-28	-43	245	233	203		
					Rev/Ex opens				
Wyngate E.S.									
Program Capacity	778	778	778	778	778	778	778		
Enrollment	755	737	733	740	726	726	745		
space available	23	41	45	38	52	52	33		
Cluster Elementary									
Program Capacity	3812	3812	3812	4086	4631	4631	4631	4631	4631
Enrollment	4234	4345	4424	4471	4457	4483	4513	4800	4800
space available	-422	-533	-612	-385	174	148	118	-169	-169

Impact of New Housing on Enrollment



Updated Housing Yield Factors

Updated "Southwest" Housing Yield Factors - February 2016

	Factors (number of students generated per unit)		
Southwest Region	Elementary	Middle	High
Single Family Detached	0.330	0.167	0.155
Single Family Attached	0.144	0.064	0.073
Multi-Family Low to Mid Rise	0.100	0.043	0.054
Multi-Family High Rise	0.052	0.022	0.029

Bethesda-Chevy Chase, Churchill, Walter Johnson, Richard Montgomery, Rockville, Whitman and Wootton clusters.

Previous "Southwest" Housing Yield Factors - December 2013

	Factors (number of students generated per unit)		
Southwest Region	Elementary	Middle	High
Single Family Detached	0.323	0.132	0.153
Single Family Attached	0.166	0.072	0.099
Multi-Family Low to Mid Rise	0.075	0.031	0.047
Multi-Family High Rise	0.042	0.017	0.023

Bethesda-Chevy Chase, Churchill, Walter Johnson, Richard Montgomery, Rockville, Whitman and Wootton clusters.

Southwest Housing Yield Rates Compared to WJ Cluster Rates

Updated "Southwest" Multi-Family Yield Factors - February 2016

	Factors (number of students generated per unit)		
Southwest Region	Elementary	Middle	High
Multi-Family Low to mid Rise	0.100	0.043	0.054
Multi-Family High Rise	0.052	0.022	0.029

Bethesda-Chevy Chase, Churchill, Walter Johnson, Richard Montgomery, Rockville, Whitman and Wootton clusters.

Walter Johnson Cluster Multi-Family Yield Factors - February 2016

	Factors (number of students generated per unit)		
Walter Johnson Cluster	Elementary	Middle	High
Multi-Family Low to mid Rise	0.077	0.034	0.032
Multi-Family High Rise	0.044	0.014	0.017

Sample of 16 multi-family buildings, with 1,252 MF-MR units, and 4,707 MF-HR units.

Walter Johnson Cluster Multi-family Housing Samples

Yields from February 11, 2016

School Service Area	Complex Name	Address	Number of Units	Students Residing in Units			Student Generation Ratio (#of Students/ # Units)		
				Elementary	Middle	High	Elementary	Middle	High
Ashburton ES	Grosvenor Park	10201 & 10401 Grosvenor Place and 10500 Rockville Pike	1235 high rise	30	9	10	0.024	0.007	0.008
	Avalon at Rock Springs	Rock Forest Drive	414 mid-rise	41	18	23	0.099	0.043	0.056
	Jefferson at Inigo's Crossing	5405 Tuckerman Lane	473 high rise	36	11	16	0.076	0.023	0.034
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			4,707 high rise	209	67	80	0.044	0.014	0.017

Number of Students Residing in New Housing Occupied From 2007 to 2015

February 17, 2016

Housing Complex	Number of New Units Occupied 2007 to 2015	Students Residing in New Housing			Elementary School Service Area
		K-5	6-8	9-12	
Jefferson at Indigo's Crossing	473 MF High-rise	40	10	14	Ashburton
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The Sterling	197 MF High-rise	10	5	9	Luxmanor
Wentworth House at North Bethesda Center	312 MF High-rise	20	3	2	Luxmanor
The Aurora at North Bethesda Center	341 MF High-rise	8	8	1	Luxmanor
Subtotal High-rise	1,811 High-rise	99	28	29	
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PerSei	174 MF Mid-rise	3	0	1	Luxmanor
Subtotal Mid-rise	789 Mid-rise	65	23	25	
Symphony Park	112 TH	8	4	7	Garrett Park
Number of Students from New Housing		172	55	61	

Projects listed were completed and occupied between 2007 and 2015.

Amount of Enrollment Increase Attributed to New Housing Completions, 2007 to 2015

School Level	Number of Students Residing in New Housing	Total School Enrollment Change	Approximate Percent of Enrollment Increase from New Housing
Elementary (Ashburton + Garrett Park + Luxmanor)	172	765	22.5%
Middle (North Bethesda + Tilden)	55	454	12.1%
High (Walter Johnson)	61	328	18.6%

Combined, enrollment at Ashburton ES, Garrett Park ES and Luxmanor ES increased by 765 students from 2007 to 2015.

Combined, enrollment at North Bethesda MS and Tilden MS increased by 454 students from 2007 to 2015.

Enrollment increased by 328 students at Walter Johnson HS from 2007 to 2015.

Enrollment increases not attributed to new housing are caused by the following factors:

- * Increases in births in school service areas.
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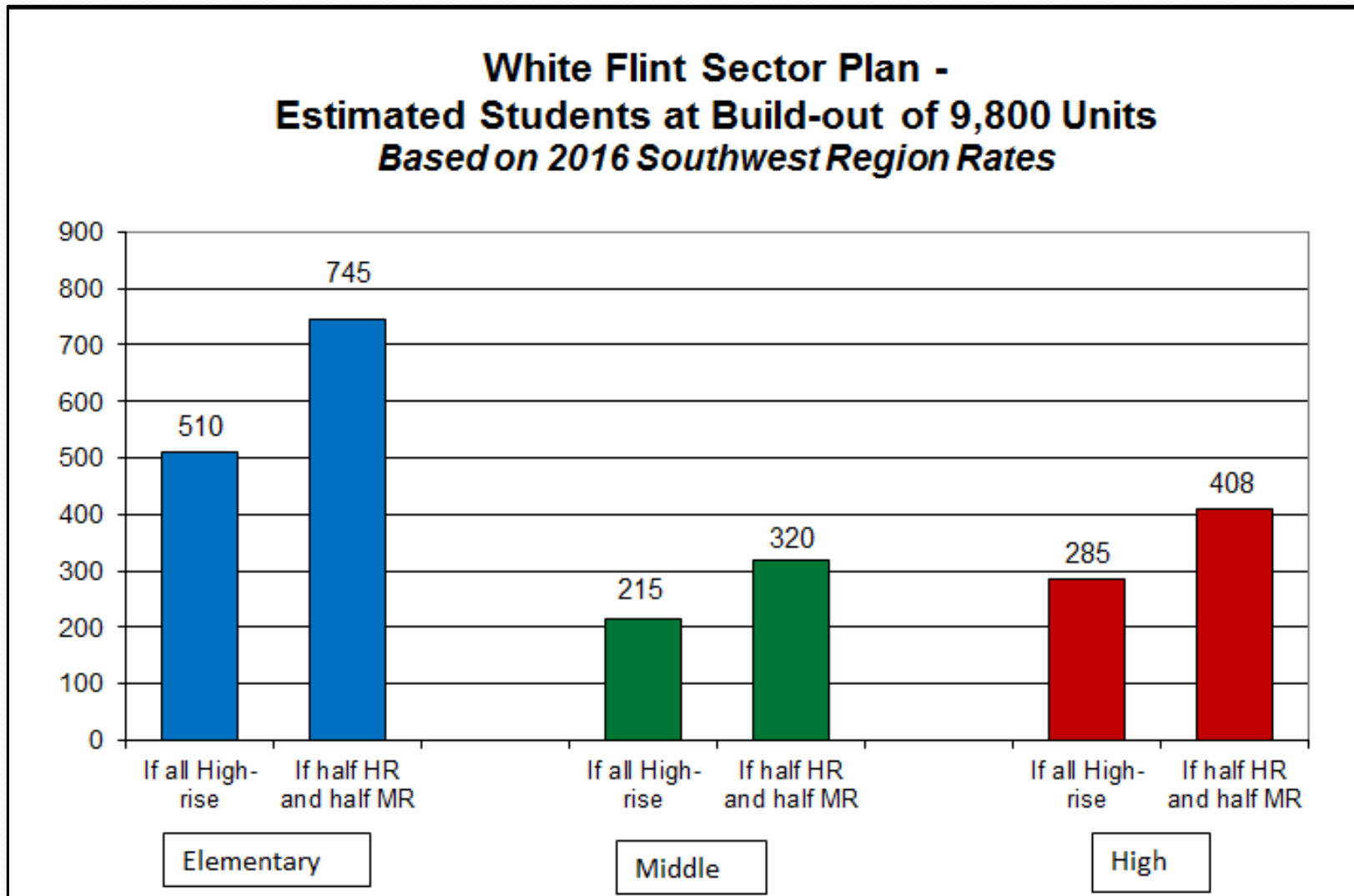
Impact of Master Plans



Master Plans

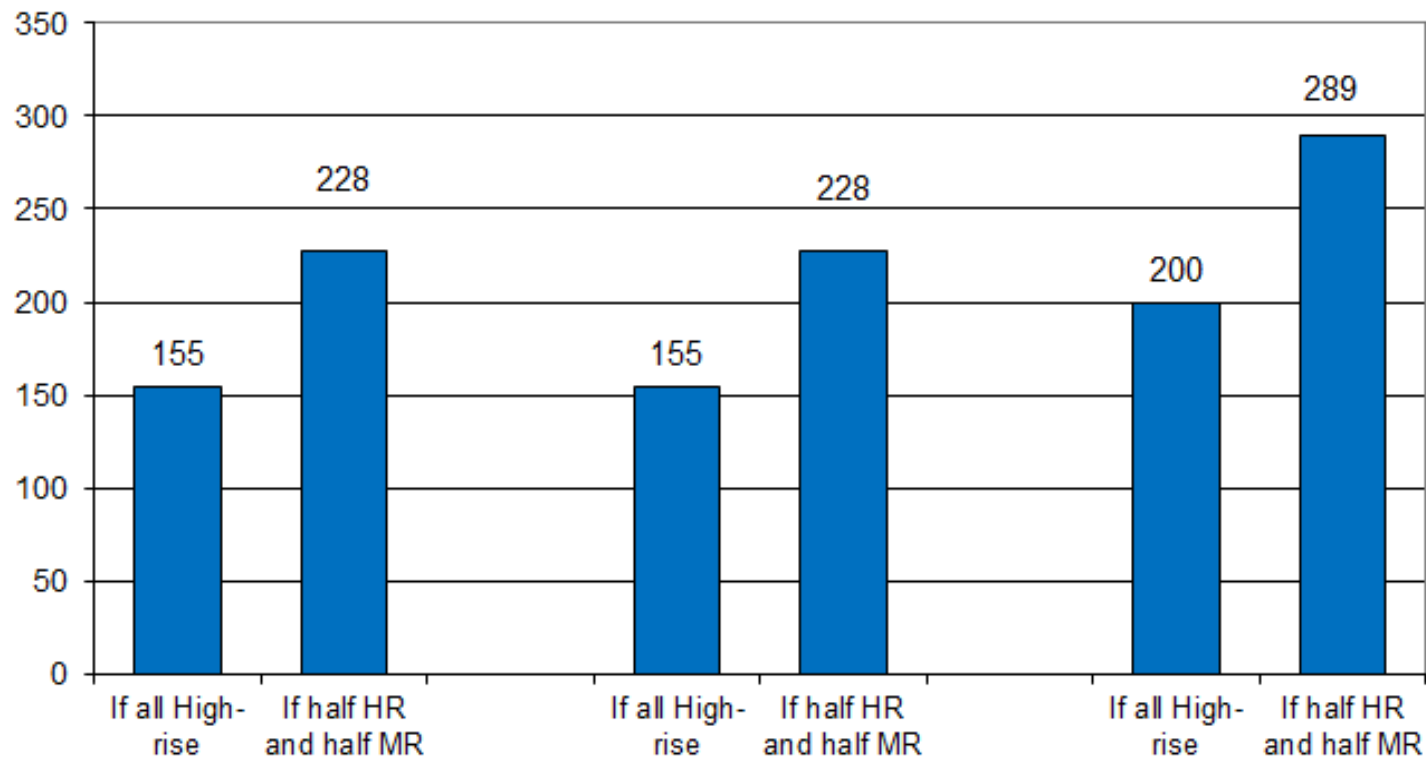
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Estimated Number of Students at Full Build-out of White Flint Sector Plan



Estimated Number of Elementary Students at Each Phase

**White Flint Sector Plan -
Elementary School Students Estimated in Each Stage**

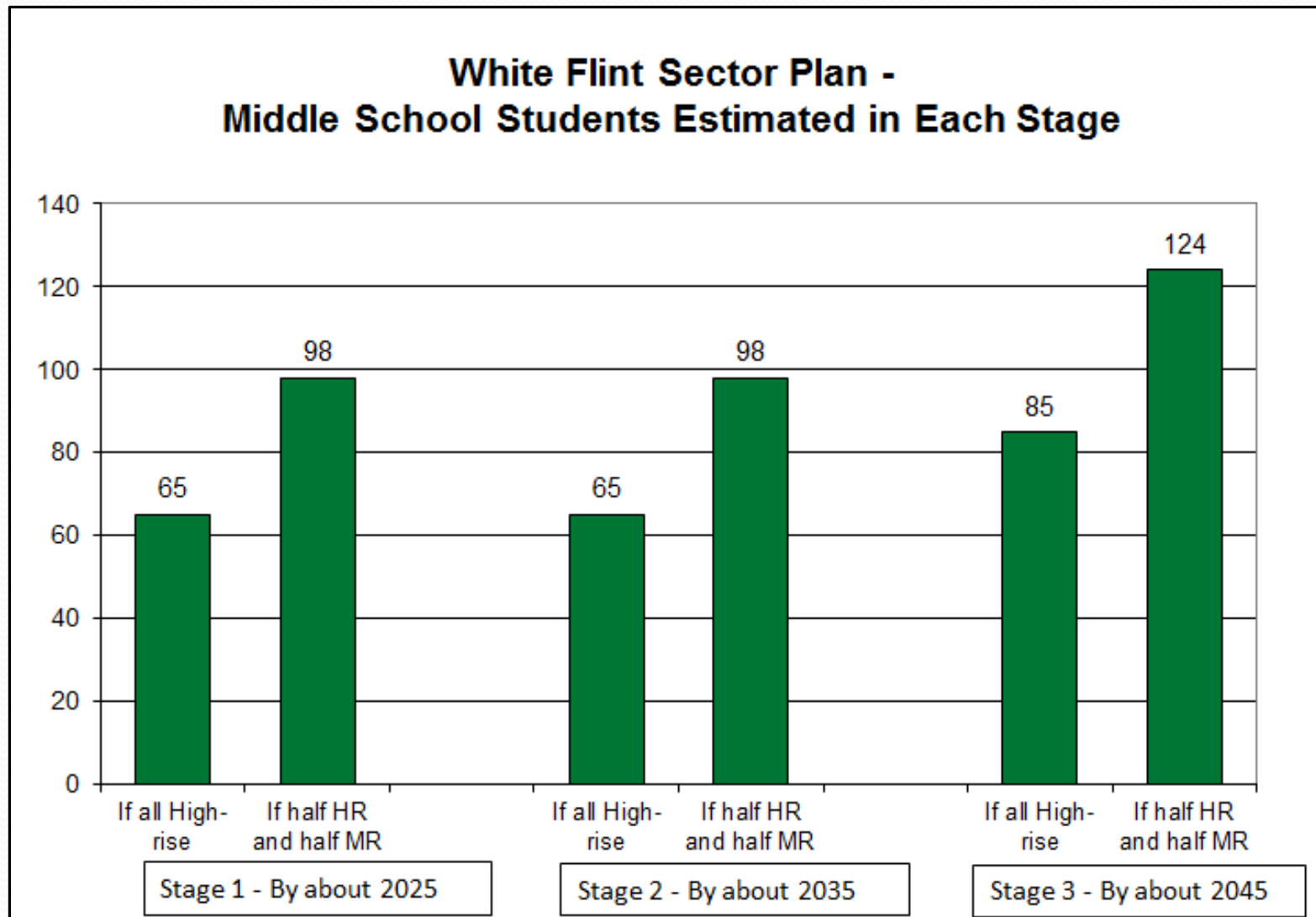


Stage 1 - By about 2025

Stage 2 - By about 2035

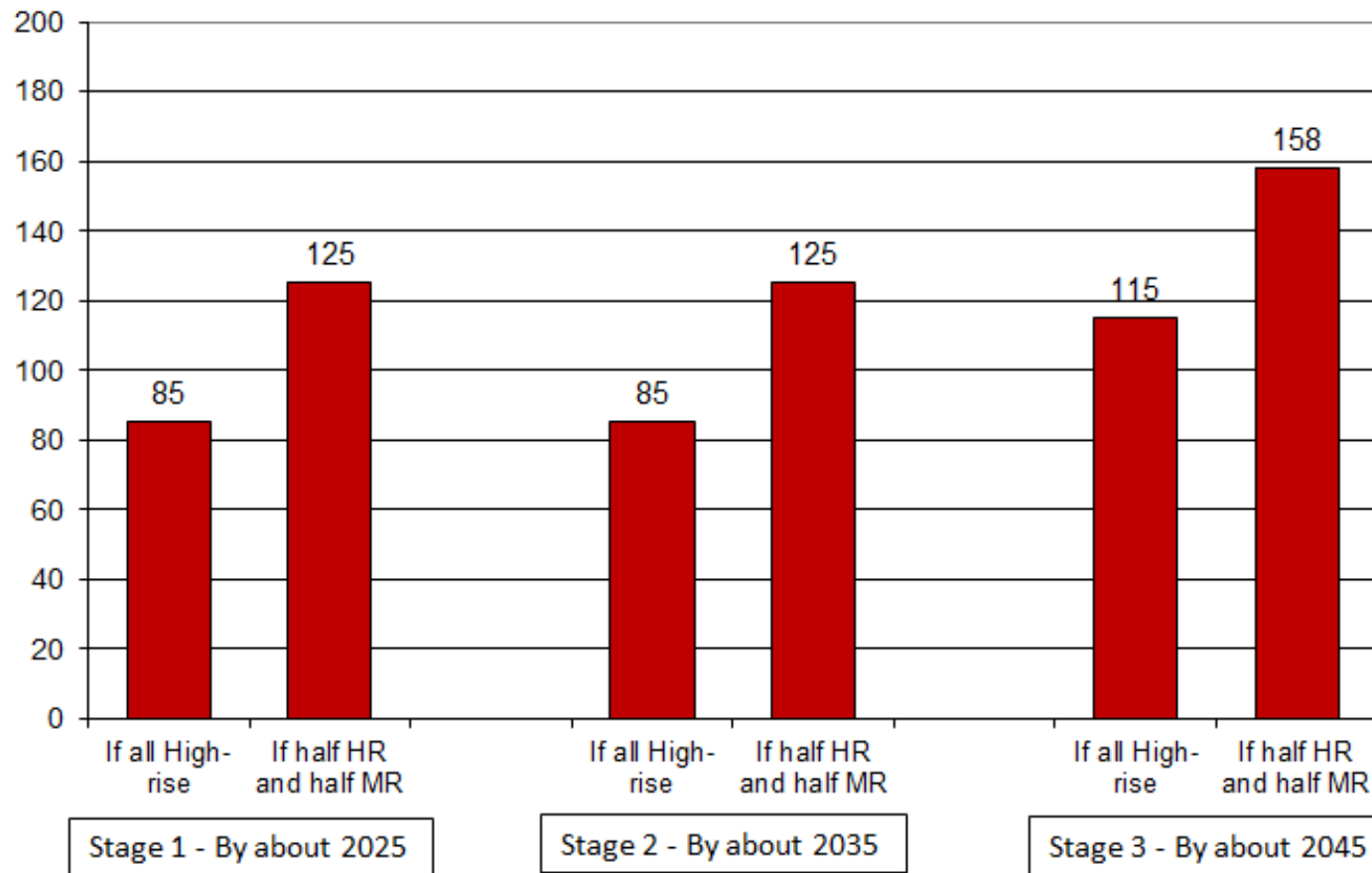
Stage 3 - By about 2045

Estimated Number of Middle School Students at Each Phase



Estimated Number of High School Students at Each Phase

**White Flint Sector Plan -
High School Students Estimated in Each Stage**



Enrollment Projections

	ENROLLMENT								
SCHOOLS	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2025	2030
Walter Johnson H.S.									
Program Capacity	2335	2335	2335	2335	2335	2335	2335	2335	2335
Enrollment	2289	2304	2356	2466	2649	2763	2865	3000	3100
space available	46	31	-21	-131	-314	-428	-530	-665	-765
North Bethesda M.S.									
Program Capacity	864	864	864	1229	1229	1229	1229	1229	1229
Enrollment	1028	1133	1183	1200	1206	1194	1181	1300	1200
space available	-164	-269	-319	29	23	35	48	-71	29
Tilden M.S.									
Program Capacity	939	939	939	939	939	1200	1200	1200	1200
Enrollment	850	939	959	992	1024	1094	1132	1300	1300
space available	89	0	-20	-53	-85	106	68	-100	-100

Questions & Answers



Walter Johnson Cluster Roundtable Discussion Group

Enrollment Projections, Housing Developments and Master Plans

Bruce Crispell. Director
Division of Long-range Planning

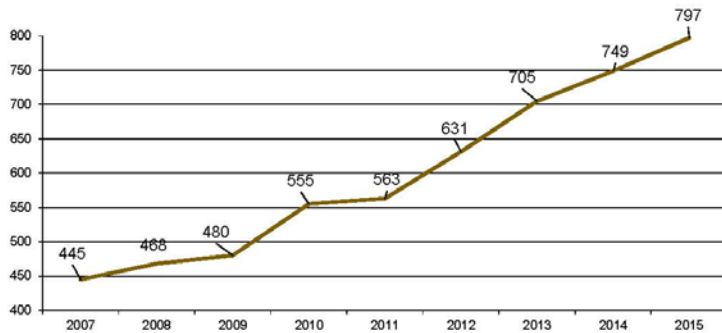
February 17, 2016



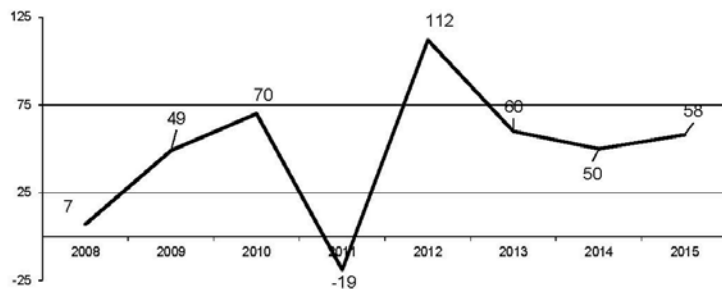
Components of Enrollment Change at Schools



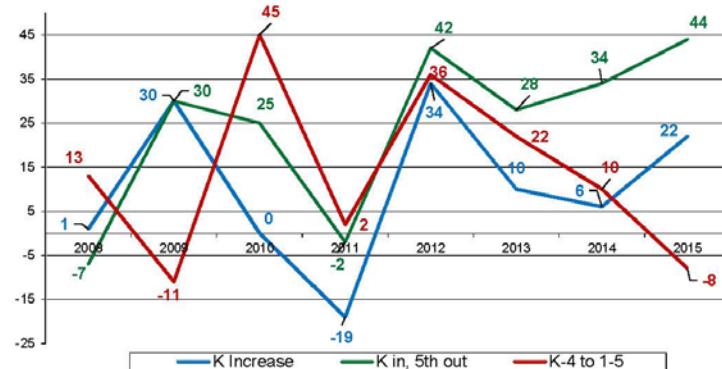
Garrett Park ES Enrollment, 2007 to 2015



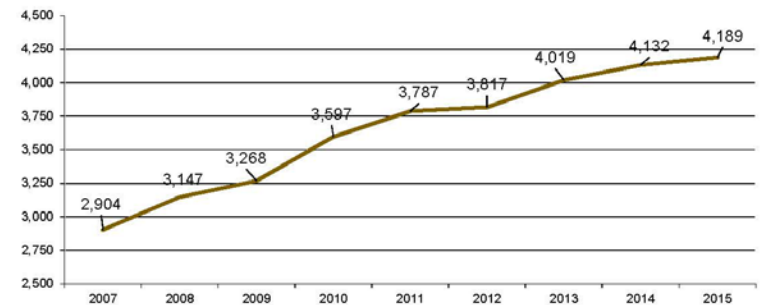
Garrett Park ES Enrollment Annual Enrollment Change
Annual Change 2014 to 2015 = +58 = (44 + 22 - 8)



Garrett Park ES Enrollment Change, by Component
2008 to 2015

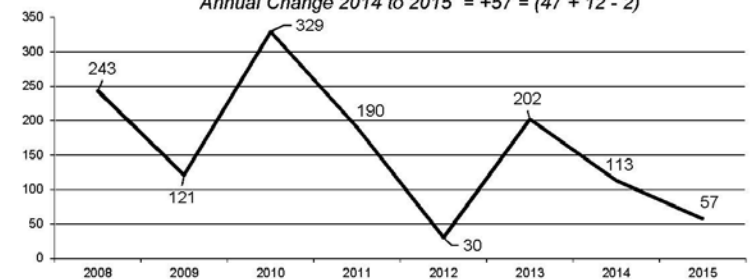


Walter Johnson Cluster Total Elementary Enrollment, 2007 to 2015

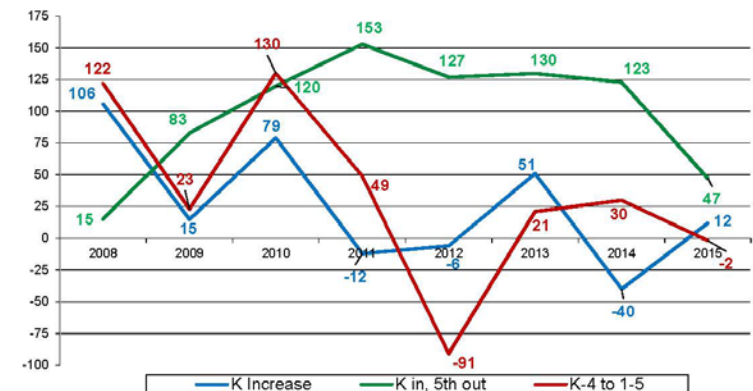


Walter Johnson Cluster Annual Elementary Enrollment Change
2008 to 2015

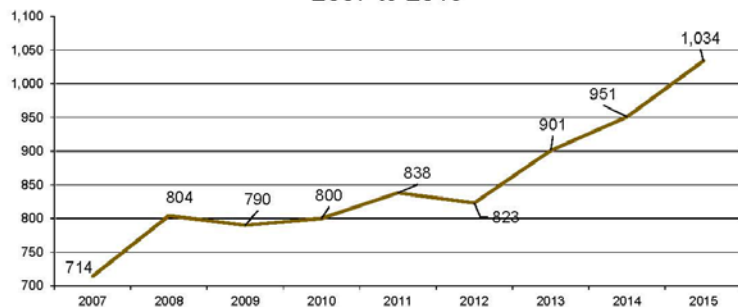
Annual Change 2014 to 2015 = +57 = (47 + 12 - 2)



Walter Johnson Cluster Elementary Enrollment Change, by Component 2008 to 2015

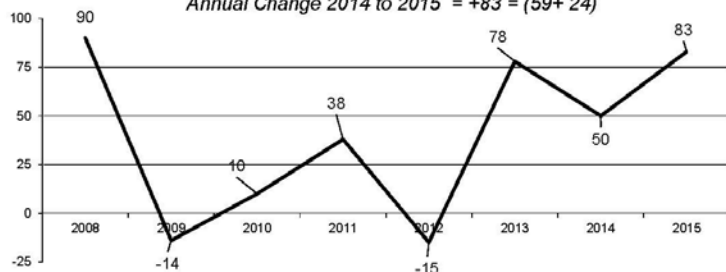


North Bethesda Middle School Enrollment 2007 to 2015

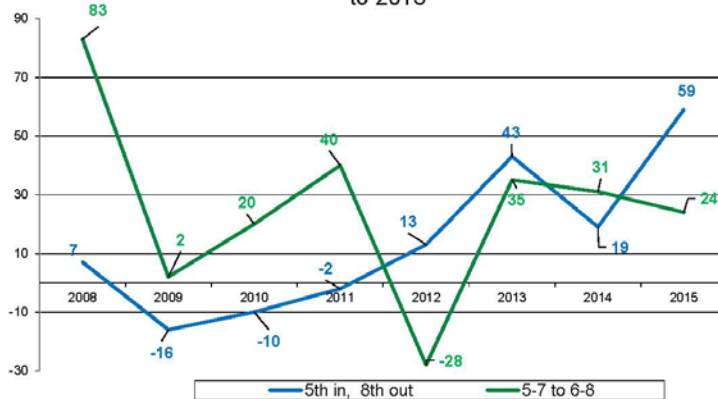


North Bethesda MS Annual Elementary Enrollment Change 2008 to 2015

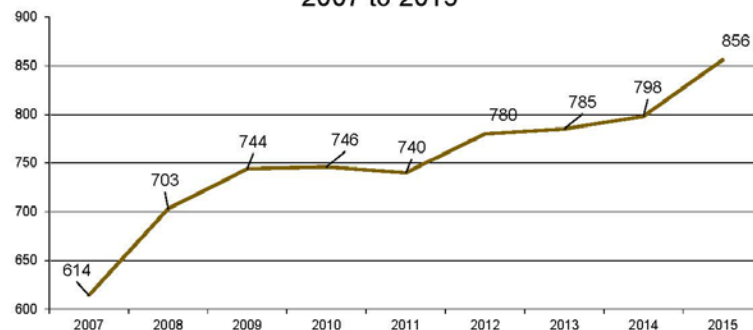
Annual Change 2014 to 2015 = +83 = (59+ 24)



North Bethesda MS Enrollment Change, by Component 2008 to 2015

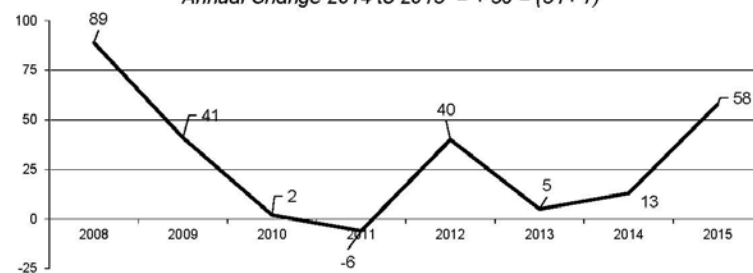


Tilden Middle School Enrollment 2007 to 2015

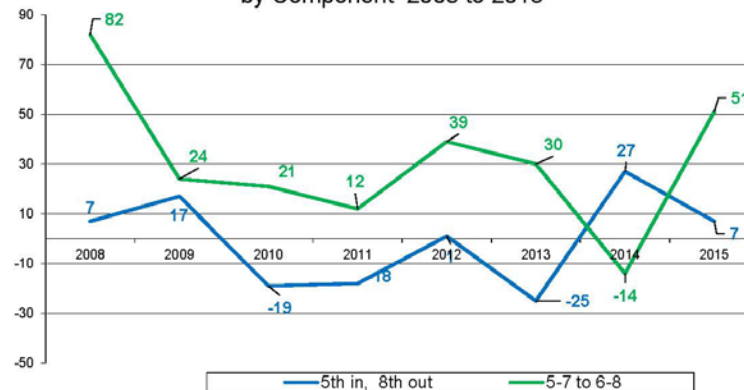


Tilden MS Annual Elementary Enrollment Change 2008 to 2015

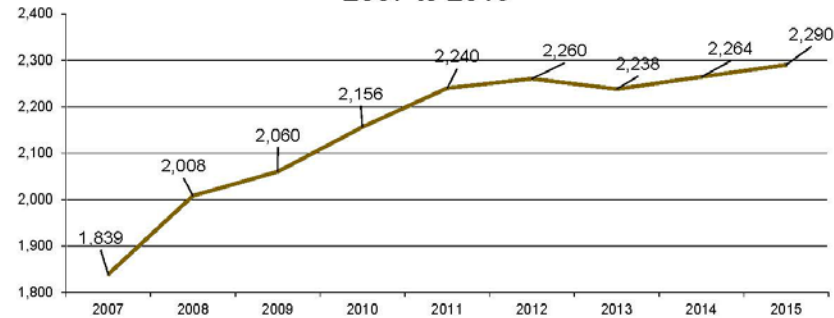
Annual Change 2014 to 2015 = + 58 = (51+ 7)



Tilden MS Enrollment Change, by Component 2008 to 2015

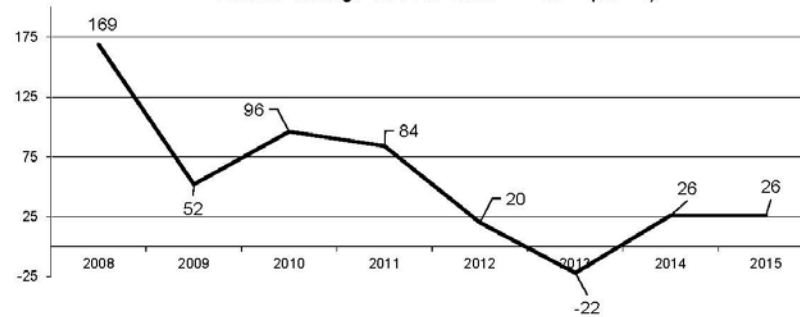


Walter Johnson High School Enrollment 2007 to 2015

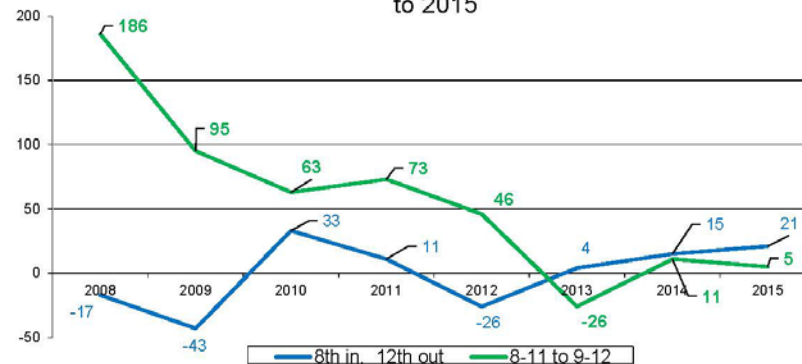


Walter Johnson HS Annual Elementary Enrollment Change 2008 to 2015

Annual Change 2014 to 2015 = +26 = (21+ 5)



Walter Johnson HS Enrollment Change, by Component 2008 to 2015



School Enrollment Projections



Enrollment Projections

	ENROLLMENT								
SCHOOLS	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2025	2030
Walter Johnson H.S.									
Program Capacity	2335	2335	2335	2335	2335	2335	2335	2335	2335
Enrollment	2289	2304	2356	2466	2649	2763	2865	3000	3100
space available	46	31	-21	-131	-314	-428	-530	-665	-765
North Bethesda M.S.									
Program Capacity	864	864	864	1229	1229	1229	1229	1229	1229
Enrollment	1028	1133	1183	1200	1206	1194	1181	1300	1200
space available	-164	-269	-319	29	23	35	48	-71	29
Tilden M.S.									
Program Capacity	939	939	939	939	939	1200	1200	1200	1200
Enrollment	850	939	959	992	1024	1094	1132	1300	1300
space available	89	0	-20	-53	-85	106	68	-100	-100

Enrollment Projections

SCHOOLS	OFFICIAL ENROLLMENT	PROJECTED ENROLLMENT							
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2025	2030
Ashburton E.S.									
Program Capacity	652	652	652	652	881	881	881		
Enrollment	911	924	926	917	895	890	886		
space available	-259	-272	-274	-265	-14	-9	-5		
					Addition opens				
Farmland E.S.									
Program Capacity	729	729	729	729	729	729	729		
Enrollment	691	734	762	755	744	747	745		
space available	38	-5	-33	-26	-15	-18	-16		
Garrett Park E.S.									
Program Capacity	752	752	752	752	752	752	752		
Enrollment	804	844	874	902	904	902	880		
space available	-52	-92	-122	-150	-152	-150	-128		
Kensington-Parkwood E.S.									
Program Capacity	472	472	472	746	746	746	746		
Enrollment	644	664	672	685	688	706	715		
space available	-172	-192	-200	61	58	40	31		
				Addition opens					
Luxmanor E.S.									
Program Capacity	429	429	429	429	745	745	745		
Enrollment	429	442	457	472	500	512	542		
space available	0	-13	-28	-43	245	233	203		
					Rev/Ex opens				
Wyngate E.S.									
Program Capacity	778	778	778	778	778	778	778		
Enrollment	755	737	733	740	726	726	745		
space available	23	41	45	38	52	52	33		
Cluster Elementary									
Program Capacity	3812	3812	3812	4086	4631	4631	4631	4631	4631
Enrollment	4234	4345	4424	4471	4457	4483	4513	4800	4800
space available	-422	-533	-612	-385	174	148	118	-169	-169

Impact of New Housing on Enrollment



Updated Housing Yield Factors

Updated "Southwest" Housing Yield Factors - February 2016

	Factors (number of students generated per unit)		
Southwest Region	Elementary	Middle	High
Single Family Detached	0.330	0.167	0.155
Single Family Attached	0.144	0.064	0.073
Multi-Family Low to Mid Rise	0.100	0.043	0.054
Multi-Family High Rise	0.052	0.022	0.029

Bethesda-Chevy Chase, Churchill, Walter Johnson, Richard Montgomery, Rockville, Whitman and Wootton clusters.

Previous "Southwest" Housing Yield Factors - December 2013

	Factors (number of students generated per unit)		
Southwest Region	Elementary	Middle	High
Single Family Detached	0.323	0.132	0.153
Single Family Attached	0.166	0.072	0.099
Multi-Family Low to Mid Rise	0.075	0.031	0.047
Multi-Family High Rise	0.042	0.017	0.023

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Southwest Housing Yield Rates Compared to WJ Cluster Rates

Updated "Southwest" Multi-Family Yield Factors - February 2016

	Factors (number of students generated per unit)		
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Multi-Family Low to mid Rise	0.100	0.043	0.054
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Walter Johnson Cluster Multi-Family Yield Factors - February 2016

	Factors (number of students generated per unit)		
Walter Johnson Cluster	Elementary	Middle	High
Multi-Family Low to mid Rise	0.077	0.034	0.032
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Sample of 16 multi-family buildings, with 1,252 MF-MR units, and 4,707 MF-HR units.

Walter Johnson Cluster Multi-family Housing Samples

Yields from February 11, 2016

School Service Area	Complex Name	Address	Number of Units	Students Residing in Units			Student Generation Ratio (#of Students/ # Units)		
				Elementary	Middle	High	Elementary	Middle	High
Ashburton ES	Grosvenor Park	10201 & 10401 Grosvenor Place and 10500 Rockville Pike	1235 high rise	30	9	10	0.024	0.007	0.008
	Avalon at Rock Springs	Rock Forest Drive	414 mid-rise	41	18	23	0.099	0.043	0.056
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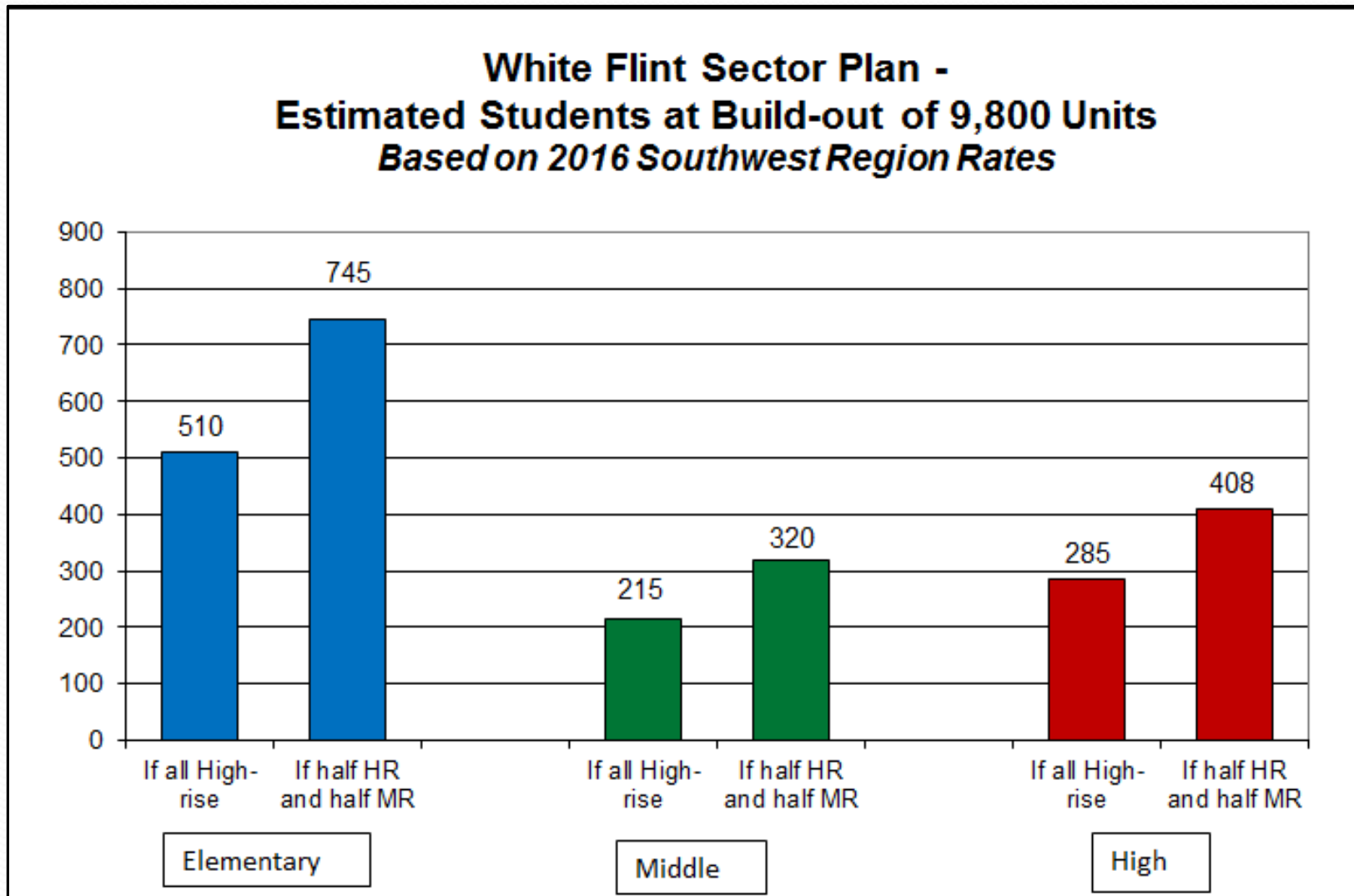
Impact of Master Plans



Master Plans

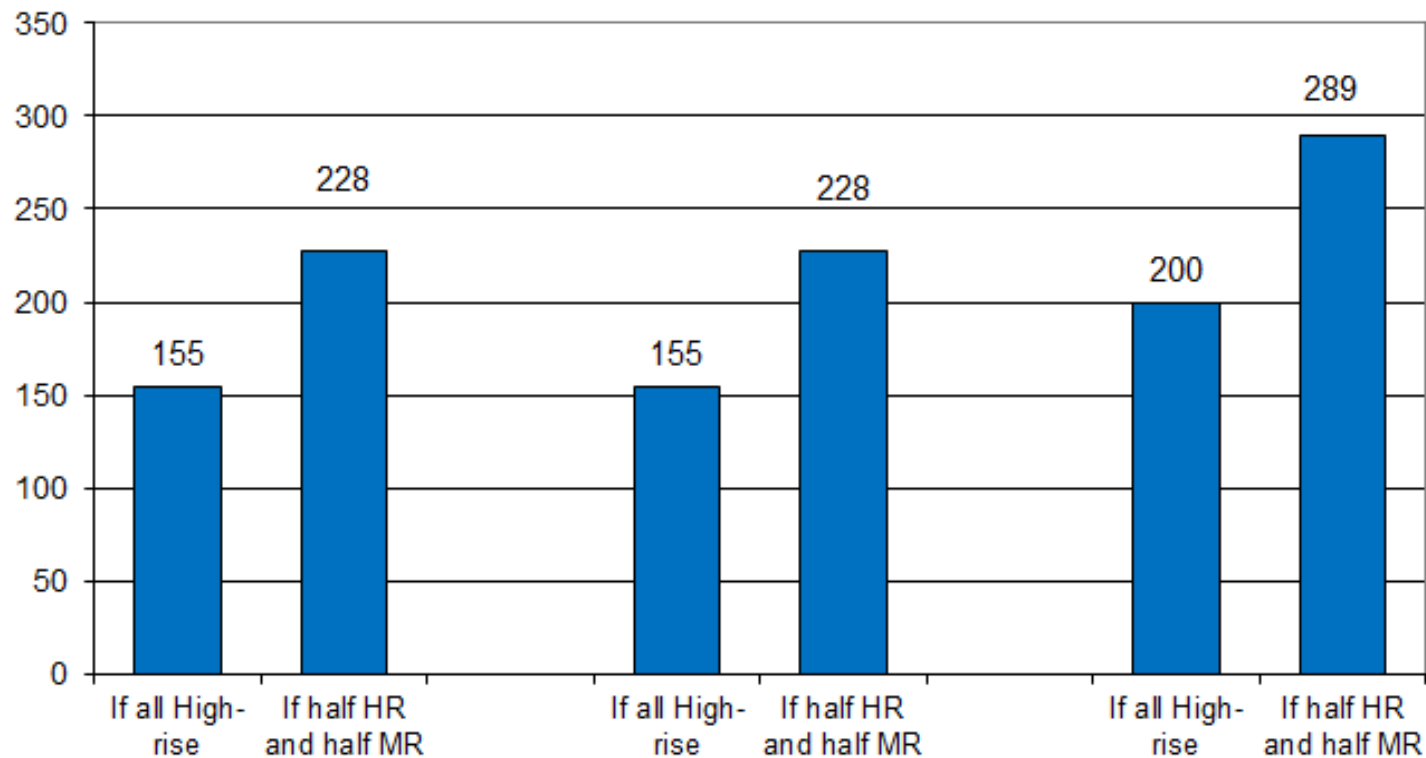
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Estimated Number of Students at Full Build-out of White Flint Sector Plan



Estimated Number of Elementary Students at Each Phase

**White Flint Sector Plan -
Elementary School Students Estimated in Each Stage**

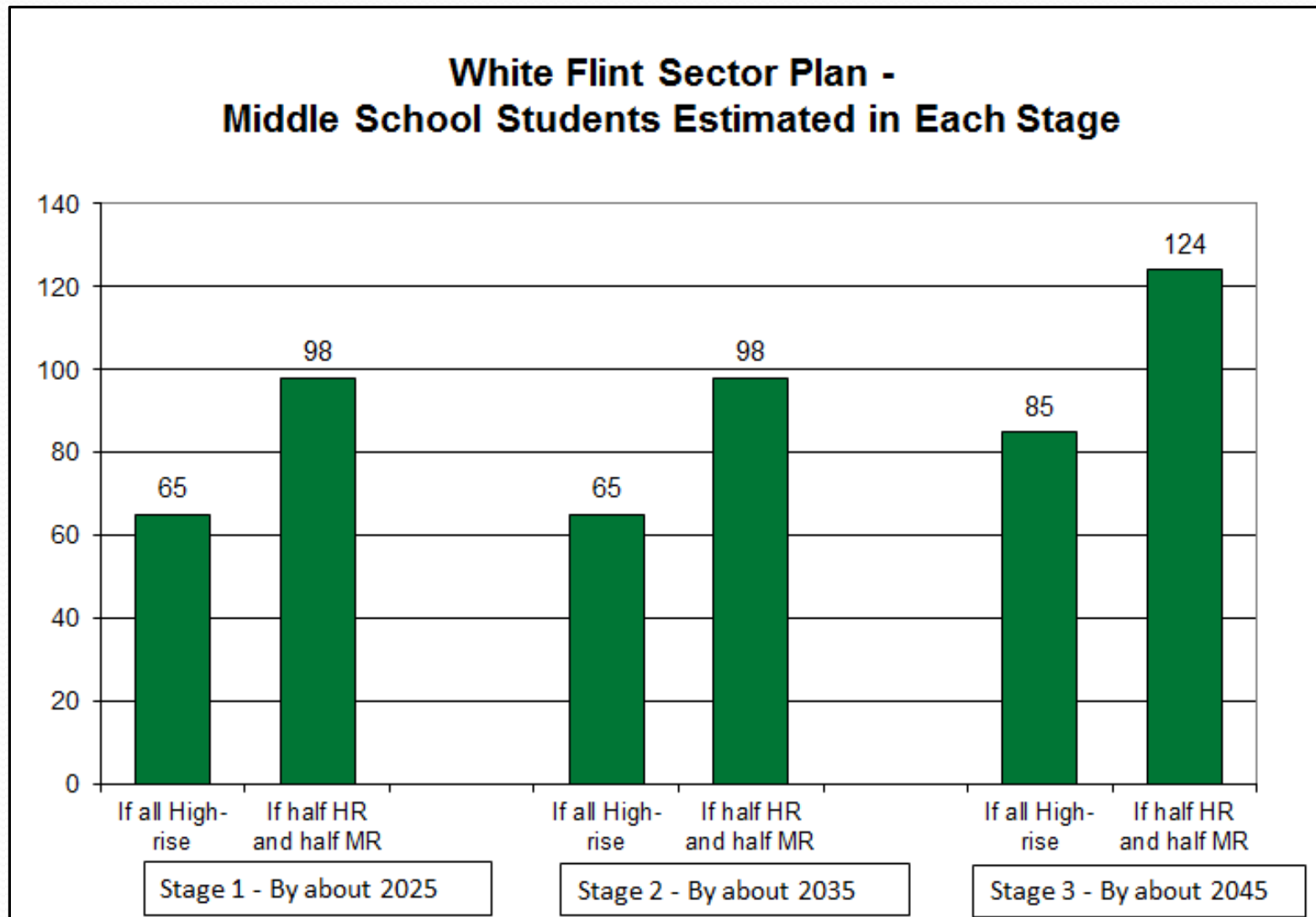


Stage 1 - By about 2025

Stage 2 - By about 2035

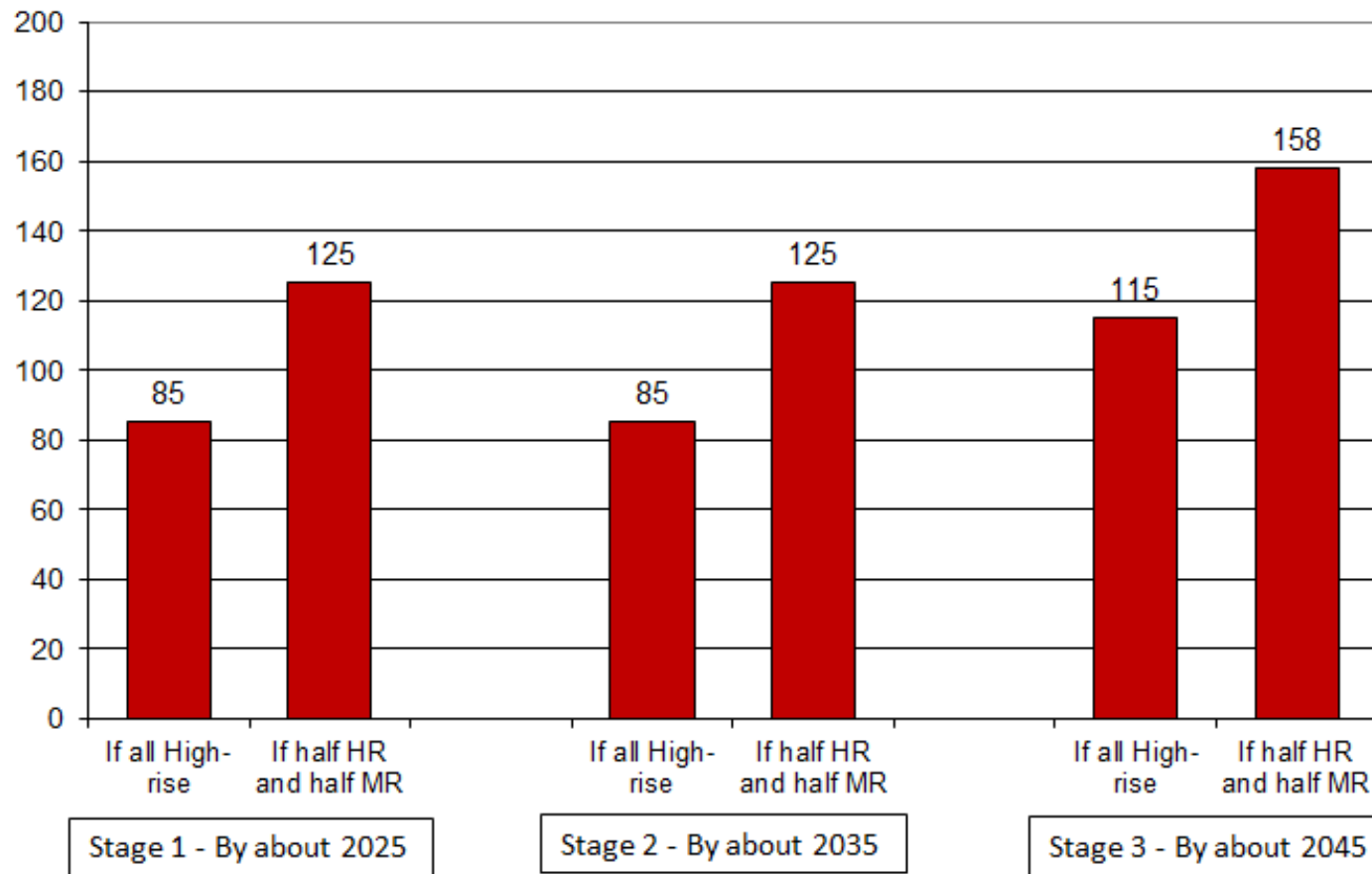
Stage 3 - By about 2045

Estimated Number of Middle School Students at Each Phase



Estimated Number of High School Students at Each Phase

**White Flint Sector Plan -
High School Students Estimated in Each Stage**



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Questions & Answers

