Analysis of Students Moving in the Elementary School Planning Proposals *Revised 11/8/19* Methodology and Analysis

NOTE: The only revisions to this document are the additional table labels and the enrollment percentages for option schools. Those percentages were rounded up to 100% because the assumption is that all students would move with their school.

This planning process focuses on how school moves can help address challenges to help use schools to full capacity. The data provided <u>does not reflect any actual or proposed boundary adjustments</u>. The boundary process will begin in September 2020, after decisions about any school moves are made by the School Board in February 2020.

Why not do the school moves and boundaries at the same time? To draw boundaries, we need to know what school sites will house a neighborhood or option school. Within this timeframe (Nov. 2019 - Jan. 2020), we are gathering community input on the initial step of determining school moves. New boundaries will be developed in Fall 2020.

The tables starting on page 2 are examples of how neighborhood school enrollment and the number of students in walk zones (highlighted in yellow in each table) could be impacted in each of the proposals below.

Representative Boundary Scenario	School Move Proposal 1	School Move Proposal 2
 Boundary created for Reed; majority of McKinley moves to Reed Arlington Science Focus placed in attendance zone No option schools move 	 Boundary created for Reed; majority of McKinley moves to Reed Arlington Science Focus placed in attendance zone Key Immersion moves to ATS ATS moves to McKinley Key becomes neighborhood school 	 Boundary created for Reed; majority of McKinley moves to Reed Arlington Science Focus placed in attendance zone ATS moves to McKinley Key Immersion moves to Carlin Springs Campbell EL moves to ATS Campbell becomes a neighborhood school Key becomes neighborhood school

1. On September 30, 2019 there were 13,264 students enrolled in grades Kindergarten through 5. The membership report can be viewed at:

www.apsva.us/wp-content/uploads/2019/10/2_Sept-30-Membership-2019-20_U-MEM_281.pdf

Any changes to boundaries are made at the planning unit level. Using the planning unit in which each of the 13,264 students reside, we can assess the impact of the scenario and two proposals. It is assumed that any student attending an option school on September 30, 2019 would still attend that option school as each proposal is applied to the data.

- 2. Among the K-5 enrollment as of September 30, 2019:
 - 10,563 students attend a neighborhood school, or 80%
 - 2,701 attend an option school (ATS, Campbell, Claremont, Key or Montessori), or 20%
- 3. Student Moving Calculation: The analysis looks at
 - the number of students currently attending a school, separated by neighborhood and option schools, and the number of students assigned to a school in each proposal

						Neigh	hborho	od Sch	ools Ap	plying	Repres	entativ	ve Boun	dary S	Scena	rio (No	Progr	am M	oves)								
									Neig	hborh	ood Sch	ools in	Scenari	0													
Schools Attending 2019-20	A. Fleet	Abingdon	ASFS	Ashlawn	Barcroft	Barrett	Campbell not in proposal	Carlin Springs	Discovery	Drew	Glebe	Hoffman-Boston	Jamestown	Key not in proposal	Long Branch	McKinley	Nottingham	Oakridge	Randolph	Reed*	Taylor	Tuckahoe	A/M	No. Staying at Current School		% Staying at Current School	% Moving
Neighborhood																											
A.Fleet	479	6	2	1	2	5		5	1	43	1	7	1			4		7	6	2		2	57	4 4	<mark>79</mark> 8	3% 1	.7%
Abingdon		414		88	33			84		2						82							1 70	4 4	14 5	9% 4	1%
ASFS		1	304						2		1		13				2			1	390		71	4 3	04 4	3% 5	7%
Ashlawn			2	161		3					148				133	168		1		91	1		70	8 1	61 2	3% 7	7%
Barcroft	53	1		13	222	99		1		1					2	2			5				39	9 2	22 5	6% 4	4%
Barrett	2		1	23	5	413		2		1	3	2			2			3	2	42			50	1 4	13 8	2% 1	.8%
Carlin Springs				109	1			248							2	185			1	1	1		54	8 2	48 4	5% 5	5%
Discovery			1					1	322	2	2		49		1		176	1		1	2	4	56	2 3	22 5	7% 4	3%
Drew	3	4		1	2			1		357		1				5		7	3	1	1		38	6 3	57 9	2%	8%
Glebe									195		323	1				1		1		42			56	3 3	23 5	7% 4	3%
Hoffman-Boston	4	2	2		3	2		5	1	32		368			4			4	2		3		43	2 3	<mark>68</mark> 8	5% 1	.5%
Jamestown			2	1					109		2	3	433				4			3	7	1	56	5 4	33 7	7% 2	3%
Long Branch	79	2	17	1	4	6		1		3	4	12			348	5	2		1	1			48	6 3	48 7	2% 2	8%
McKinley								2			14	2				244				518	1	1	78	2 2	44 3	1% 6	9%
Nottingham									3				1				320			1		143	46	8 3	20 6	8% 3	2%
Oakridge	1	1								2	1	38						532					57	5 5	32 9	3%	7%
Randolph	3	2		3	11	15		1		5		5				1			364				41	0 3	64 8	9% 1	1%
Taylor			214						29	1	2		205		1			2		1	224		67	9 2	24 3	3% 6	7%
Tuckahoe													1			1	1			51		453	50	7 4	53 8	9% 1	1%
Enrollment in New																											
Proposal	624	433	545	401	283	543		351	662	449	501	439	703		493	698	505	558	384	756	630	604	1 1056	3 65	<mark>29</mark> 6	2% 3	8%
% Utilization in proposal**	83%	60%	99%	59%	62%	94%		60%	105%	67%	98%	78%	118%		92%	102%	98%	83%	79%	104%	96%	111%					
Current Option Enrollment																											
ATS	33	16	11	28	16	43		17	23	35	56	22	11		33	41	15	30	17	50	40	17	55	4 5	54 10	0%	0%
Campbell	14	28	2	64	33	25		86	1	18	2	12	1		2	66	4	17	20	3	1	2	40	1 4	01 10	0%	0%
Claremont	26	146	2	68	61	25		70		73	2	28			5	38	7	85	51	15		9	71	1 7	11 10	0%	0%
Key	44	5	165	5	4	38		3	38	10	29	10	26		59	8	6	3	2	21	198	2	67	6 6	76 10	0%	0%
Montessori	33	34	10	17	7	24		14	12	53	8	21	10		22	13	4	22	22	11	13	9	35	9 3	59 10	0%	0%
Enrollment by School	150	229	190	182	121	155		190	74	189	97	93	48		121	166	36	157	112	100	252	39	270	1 27	01 10	0%	0%
APS Total	774	662	735	583	404	698		541	736	638	598	532	751		614	864	541	715	496	856	882	643	1 1326	4 92	30 7	0% 30	0%

Data Source: Sept. 30, 2019 Membership Report (<u>www.apsva.us/wp-content/uploads/2019/10/2 Sept-30-Membership-2019-20 U-MEM 281.pdf</u>) *Reed is listed under "neighborhood schools in scenario" because the proposal includes all schools open in 2021. **Building utilization to be improved through the Fall 2020 Boundary Change Process

								Nei	ghborho	od Sc	hools A	pplying	s School	Move	es in P	roposal	1										
									Neig	hborh	ood Sch	ools in	Scenari	0													
Schools Attending 2019-20	A. Fleet	Abingdon	ASFS	Ashlawn	Barcroft	Barrett	Campbell not in proposal	Carlin Springs	Discovery	Drew	Glebe	Hoffman-Boston	Jamestown	Key**	Long Branch	McK changes to Option	Nottingham	Oakridge	Randolph	McKinley moves to Reed*	Taylor	Tuckahoe	∀/N#	Enrollment on 9/30/19	No. Staying at Current School	% Staying at Current School	% Moving
Neighborhood																											
A.Fleet	464	11			7	3		6		42	2	19	1	1			1	7	6	2	1	1		574	464	81%	19%
Abingdon		701								2														1 704	701	100%	0%
ASFS		1	42	1					1		1		1	531	103		2				31			714	42	6%	94%
Ashlawn			243	394	1	59		3						1	1			1		5				708	394	56%	44%
Barcroft	2	4			381			4		1					2				5					399	381	95%	5%
Barrett		5	2	57	6	417		2		1		2			2			3	2	2				501	417	83%	17%
Carlin Springs		2		3				539						1	2				1					548	539	98%	2%
Discovery			1					1	495	2	2		50	1	2		3	1		1	1	2		562	495	88%	12%
Drew	2	11			2	1		4		353		1		1				7	3	1				386	353	91%	9%
Glebe			47	1							446	1	67					1						563	446	79%	21%
Hoffman-Boston	4	9	1		1	2				32		368	1	3	5			4	2					432	368	85%	15%
Jamestown			1	1					8		2	3	409	4			3			3	130	1		565	409	72%	28%
Long Branch	9	4	6		6	74		5		3	1	12			362		2		1	1				486	362	74%	26%
McKinley				167				2			14	2		1						595		1		782	595	76%	24%
Nottingham									3				1				427			1		36		468	427	91%	9%
Oakridge	1	1								2	1	38						532						575	532	93%	7%
Randolph		5			31					5		5							364					410	364	89%	11%
Taylor			179							1			4	33	1			2		1	458			679	458	67%	33%
Tuckahoe				1													1			90	1	414		507	414	82%	18%
Enrollment in New																											
Proposal	482	754	522	625	435	556		566	507	444	469	451	534	577	480		439	558	384	702	622	455		1 10563	8161	77%	23%
% Utilization in proposal****	64%	104%	94%	91%	95%	97%		97%	80%	66%	92%	80%	89%	88%	90%		86%	83%	79%	97%	94%	83%					
Current Option Enrollment																											
ATS	20	38	39	41	46	37		25	13	35	37	24	13	32	24		12	30	17	38	19	14		554	554	100%	0%
Campbell	6	77		6	68	4		156		18	3	13	1	3	2			17	20	1		1		401	401	100%	0%
Claremont	4	252	4	18	92	2		70		73	1	29			4		9	85	51	10		- 7		711	711	100%	0%
Key***	35	6	37	14	7	44		5	21	10	35	10	18	221	141		4	3	2	11		1		676		100%	0%
Montessori	19	51	9	7	36	13		18	8	53	6	22	7	16	19		3	22	22	10		6		359	359	100%	0%
Enrollment by School	84	424	89	86	249			274	42		82	98	39		-		33	157	112	70		29		2701	2701	100%	0%
																						-					
APS Total	566	1178	611	711	684	656		840	549	633	551	549	573	849	670		472	715	496	772	704	484		1 13264	10862	82%	18%

Data Source: Sept. 30, 2019 Membership Report (<u>www.apsva.us/wp-content/uploads/2019/10/2_Sept-30-Membership-2019-20_U-MEM_281.pdf</u>)

* Under "neighborhood schools in scenario", "McKinley moves to Reed" is used to highlight that under this proposal, the majority of McKinley would move to Reed in 2021.

** Key is listed under "neighborhood schools in scenario" because it would be a neighborhood school in this proposal.

*** Key is listed under "current option enrollment" to retain the number of students in the school.

****Building utilization to be improved through the Fall 2020 Boundary Change Process

								Nei	ghborho	od Sc	hools A	pplying	School	Mov	es in P	roposa	12											
													Scenario															
Schools Attending 2019-20	A. Fleet	Abingdon	ASFS	Ashlawn	Barcroft	Barrett	Carlin Springs moves to Campbell	Carlin Springs changes to Option	Discovery	Drew	Glebe	Hoffman-Boston	Jamestown	Key	Long Branch	McK changes to Option	Nottingham	Oakridge	Randolph	McKinley moves to Reed*	Taylor	Tuckahoe	Unassigned	#/N#	Enrollment on 9/30/19	No. Staying at Current School	% Staying at Current School	% Moving
Neighborhood																												
A.Fleet	476	10			7	5	4			42	2	7	1	1			2	7	6	2	1		1		574	476	83%	17%
Abingdon		701								2														1	704	701	100%	0%
ASFS		1	65	1					1		2		2	610			2				30				714	65	9%	91%
Ashlawn			195	500	2	2	2								1			1		4	1				708	500	71%	29%
Barcroft	2	35			351	1	2			1					2				5						399	351	88%	12%
Barrett		6	1	7	5	466	2			1		2		1	3			3	2	2					501	466	93%	7%
Carlin Springs		2		3	54	22	463								2				1		1				548	463	84%	16%
Discovery			1				1		544	2	2		1	1	1		3	1		1	2	2			562	544	97%	3%
Drew	2	7			2		4			347		1		1	1			7	3	1			10		386	347	90%	10%
Glebe			1	1							517	1						1		42					563	517	92%	8%
Hoffman-Boston	4	10	1			2				30		368	1	5	3			4	2				2		432	368	85%	15%
Jamestown			1	1					8		3	3	428	4			3			3	110	1			565	428	76%	24%
Long Branch	9	5	5	1	5	8	2			3	1	12		14	417		2		1	1					486	417	86%	14%
McKinley				223			2				1	2		1						552		1			782	552	71%	29%
Nottingham									3				1				461			1		2			468	461	99%	1%
Oakridge	1	1								2	1	38						532							575	532	93%	7%
Randolph		10			26					5		5							364						410	364	89%	11%
Taylor			154	3					1	1	29		31	4				2			454				679	454	67%	33%
Tuckahoe				1													1			90	1	414			507	414	82%	18%
Enrollment in New																												
Proposal	494	788	424	741	452	506	482		557	436	558	439	465	642	430		474	558	384	699	600	420	13	1	10563	8420	80%	20%
% Utilization in proposal**	66%	109%	77%	108%	98%	88%	111%		88%	65%	109%	78%	78%	98%	81%		92%	83%	79%	96%	91%	77%						
Current Option Enrollment																												
ATS	22	45	24	49	39	49	18		14	34	42	22	8	36	21		12	30	17	37	20	14	1		554	554	100%	0%
Campbell	7	81	1	6	85	22	117			18	3	12	1	2	2		5	17	20	1		1		\vdash	401	401	100%	0%
Claremont	5	266	3		88	14	50			73	1	28	-	2	2		9	85	51	9		7		\vdash	711	711	100%	0%
Key	35	6	31	7	7	47	4		23	10	44	10	8	-	-		4	3	2	17	72	1		\vdash	676	676	100%	0%
Montessori	20	52	9	8	38	15	12		8	50	8	21	7	15	-		3	22	22	9	11	6	3	\vdash	359	359	100%	0%
Enrollment by School	89	450	68		257	147	201		45	185	98	93	24		-		33		112	73		29	-	\vdash	2701	2701	100%	0%
2 Sintene by Sendor					2.57		201			205	20		24	554			55				205	25	-4	\square	2701	LIVE	20070	070
APS Total	583	1238	492	829	709	653	683		602	621	656	532	489	976	541		507	715	496	772	703	449	17	1	13264	11121	84%	16%

Data Source: Sept. 30, 2019 Membership Report (<u>www.apsva.us/wp-content/uploads/2019/10/2 Sept-30-Membership-2019-20 U-MEM 281.pdf</u>)

* Under "neighborhood schools in scenario", "McKinley moves to Reed" is used to highlight that under this proposal, the majority of McKinley would move to Reed in 2021.

**Key is listed under "neighborhood schools in scenario" because it would be a neighborhood school in this proposal.

*** Campbell is listed under "neighborhood schools in scenario" because it would be a neighborhood school in this proposal.

****Building utilization to be improved through the Fall 2020 Boundary Change Process

*****Campbell is listed under "current option enrollment" to retain the number of students in the school.

****** Key is listed under "current option enrollment" to retain the number of students in the school.

4. Summary of Students Moving

The representative boundary scenario and each proposal is based on the Grade K-5 student enrollment as of September 30, 2019; these take into account any change to a student's neighborhood school.

Proposal to change existing boundaries without moving any schools/programs:

• 38% of, or more than 4,000, neighborhood elementary school students would move

School Moves Proposal 1

• 23% of, or more than 2,400, neighborhood elementary school students would move, including 76% of those McKinley students who would move together to Reed

School Moves Proposal 2

• 20% of, or more than 2,100, neighborhood elementary school students would move, including those schools that move, including 71% of those McKinley students who would move together to Reed.