

**Before the
Federal Communications Commission
Washington, D.C.**

In the Matter of:)	
)	
Modernizing the E-Rate Program for Schools)	WC Docket No. 13-184
and Libraries)	
)	
)	

**Data Analysis of Funds For Learning, LLC
in connection with
Comments on Making the Category Two Budget Approach Permanent and Other
Modifications to the Category Two Budget Approach**

The report that follows is a synopsis of the Category Two (“C2”) funding requests from E-rate funding year 2015 to funding year 2019. We are submitting it to the FCC in response to the current proposed rulemaking to make permanent the Category Two budget approach.

The information in this report is derived from publicly available funding request data; however, the public data has been refined and combined with custom data developed by Funds For Learning® using our E-rate Manager® tool.

Respectfully submitted,

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Universal Service Funding for Schools and Libraries

E-rate Category Two Budget Utilization FY2015 to FY2019

Presented to:

Federal Communications Commission

August 16, 2019

Prepared by:



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1. Introduction

This report is a synopsis of the Category Two (“C2”) funding requests from E-rate funding year 2015 to funding year 2019. We are submitting it to the FCC in response to the current proposed rulemaking to make permanent the Category Two budget approach.

The information in this report is derived from publicly available funding request data; however, the public data has been refined and combined with custom data developed by Funds For Learning® using our E-rate Manager® tool.

For example, Brown Avenue Elementary School, Billed Entity Number 3160, is associated with Johnston Public Schools, Rhode Island. The funding year 2019 E-rate application reports Brown Avenue Elementary School’s enrollment as 206,226 students. In funding year 2018, the same school reported an enrollment of 206 students. It is obvious that Brown Avenue Elementary School does not have an enrollment of more than 200,000 students. This is clearly a typographical error. For purposes of this analysis, the enrollment for the site has been changed to 226 students.

Using this type of logic and leveraging over twenty years of our experience interpreting E-rate funding data, Funds For Learning has prepared a custom dataset of Category Two funding request information. The tables and figures included in this report are based on this custom dataset.

This report is intended to equip the public and the FCC with accurate information about the demand for Category Two discounts. By design, the tables and figures are offered without comment or opinion.

2. Overall Budget Statistics

Table 1: Overall C2 Budget and Discount Utilization (FY2015-FY2019)

FY2015	Individual Funding Year		Cumulative	
	Library	School	Library	School
Site count	2,466	48,157	2,466	48,157
Parent BEN Count	466	8,785	466	8,785
Budget	\$ 24,650,948	\$ 1,862,993,963	\$24,650,948	\$1,862,993,963
Discount Utilization	\$ 20,136,723	\$ 1,417,820,907	\$20,136,723	\$1,417,820,907

FY2016	Individual Funding Year		Cumulative	
	Library	School	Library	School
Site count	2,589	43,078	4,190	71,061
Parent BEN Count	538	8,130	824	12,744
Budget	\$ 27,175,676	\$ 1,377,157,759	\$ 51,826,624	\$ 3,240,151,722
Discount Utilization	\$ 21,529,389	\$ 980,030,684	\$ 41,666,111	\$ 2,397,851,591

FY2017	Individual Funding Year		Cumulative	
	Library	School	Library	School
Site count	1,687	35,422	4,885	81,441
Parent BEN Count	421	6,967	1,000	14,622
Budget	\$ 18,985,817	\$ 1,007,404,487	\$ 70,812,442	\$ 4,247,556,209
Discount Utilization	\$ 15,506,775	\$ 712,844,087	\$ 57,172,886	\$ 3,110,695,678

FY2018	Individual Funding Year		Cumulative	
	Library	School	Library	School
Site count	1,776	34,254	5,349	88,071
Parent BEN Count	404	6,837	1,113	15,926
Budget	\$ 14,545,714	\$ 894,563,167	\$ 85,358,155	\$ 5,142,119,376
Discount Utilization	\$ 11,363,952	\$ 629,295,316	\$ 68,536,838	\$ 3,739,990,994

FY2019	Individual Funding Year		Cumulative	
	Library	School	Library	School
Site count	2,207	43,569	5,986	94,700
Parent BEN Count	501	8,679	1,286	17,298
Budget	\$ 24,680,431	\$ 1,207,163,928	\$ 110,038,586	\$ 6,349,283,304
Discount Utilization	\$ 19,618,625	\$ 860,918,567	\$ 88,155,463	\$ 4,600,909,561

Figure 1: Cumulative Count of School Sites Utilizing C2 Budget

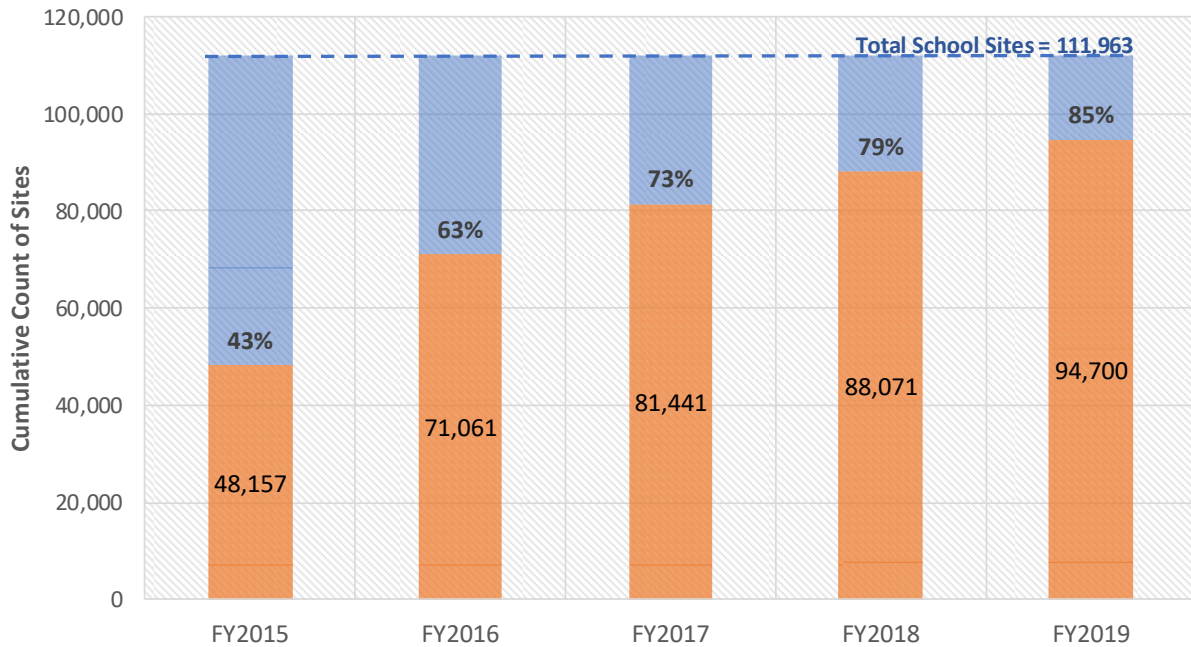


Table 2: School Site Average Budget Utilization Amount

	FY2015	FY2016	FY2017	FY2018	FY2019
Total Budget Utilized	\$1,862,993,963	\$1,377,157,759	\$1,007,404,487	\$894,563,167	\$1,207,163,928
Total Discount Utilized	\$1,417,820,907	\$980,030,684	\$712,844,087	\$629,295,316	\$860,918,567
Count of Sites	48,157	43,078	35,422	34,254	43,569
Count of Parent BENs	8,785	8,130	6,967	6,837	8,679
Avg Site Count Per Parent BEN	5.5	5.3	5.1	5.0	5.0
Avg Budget Utilized per Site	\$38,686	\$31,969	\$28,440	\$26,116	\$27,707
Avg Discount Utilized per Site	\$29,442	\$22,750	\$20,124	\$18,371	\$19,760
Avg. Disc. Rate	76.1%	71.2%	70.8%	70.3%	71.3%
% of Sites Requesting C2	43.0%	38.5%	31.6%	30.6%	38.9%

Figure 2: Average C2 Discount Amount Requested by School Sites

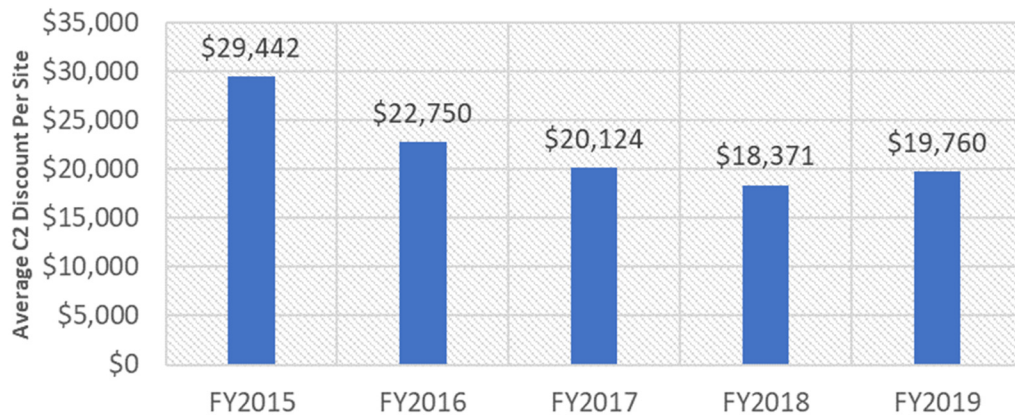


Figure 3: Cumulative Count of Library Sites Utilizing C2 Budget

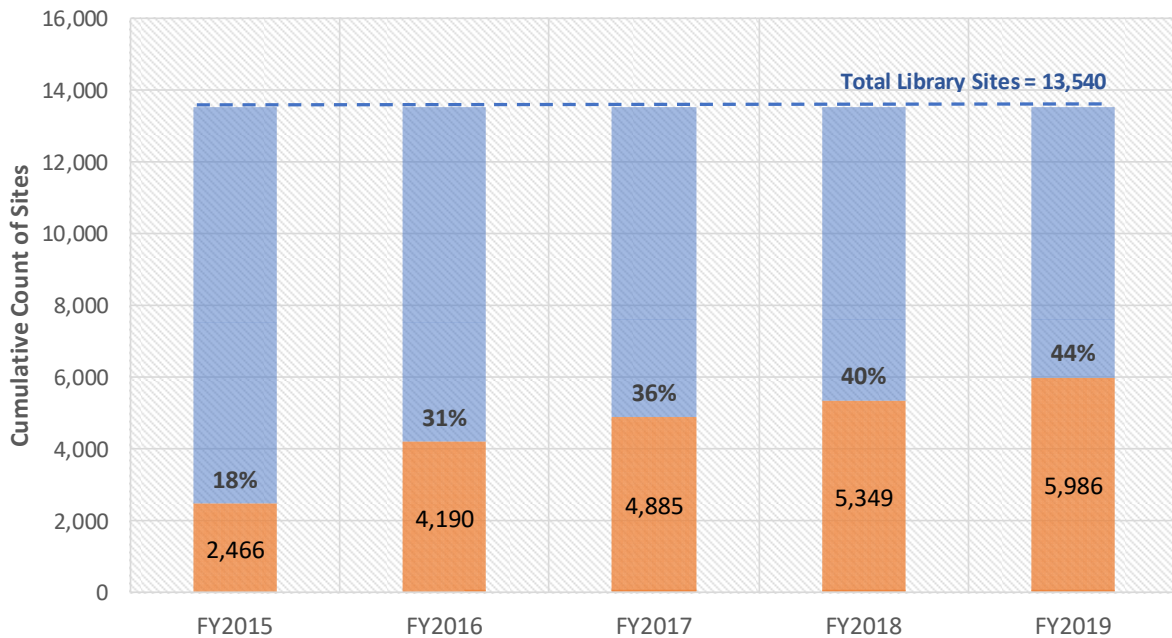
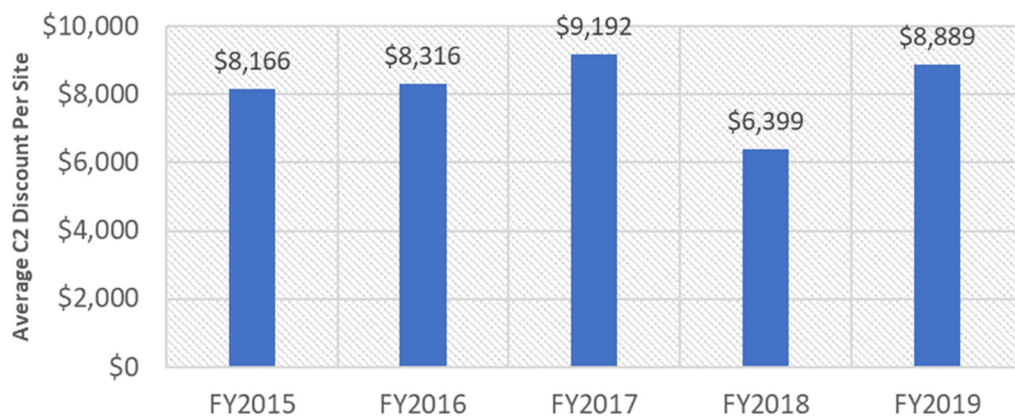


Table 3: Library Site Average Budget Utilization Amount

	FY2015	FY2016	FY2017	FY2018	FY2019
Total Budget Utilized	\$24,650,948	\$27,175,676	\$18,985,817	\$14,545,714	\$24,680,431
Total Discount Utilized	\$20,136,723	\$21,529,389	\$15,506,775	\$11,363,952	\$19,618,625
Count of Sites	2,466	2,589	1,687	1,776	2,207
Count of Parent BENs	466	538	421	404	501
Avg Site Count Per Parent BEN	5.3	4.8	4.0	4.4	4.4
Avg Budget Utilized per Site	\$9,996	\$10,497	\$11,254	\$8,190	\$11,183
Avg Discount Utilized per Site	\$8,166	\$8,316	\$9,192	\$6,399	\$8,889
Avg. Disc. Rate	81.7%	79.2%	81.7%	78.1%	79.5%
% of Sites Requesting C2	18.2%	19.1%	12.5%	13.1%	16.3%

Figure 4: Average C2 Discount Amount Requested by Library Sites



3. School Site Counts

Table 4: Count of School Sites by Enrollment and Size of Parent BEN

School Site Enrollment	Parent BEN Count of Sites						TOTAL	
	Single	2 - 4	5 - 9	10 - 24	25 - 49	50+	Sites	%
Very small (0-61)	937	2,027	2,551	2,989	1,448	2,123	12,075	10.8%
Small (62-249)	3,499	6,915	3,581	3,179	1,580	3,520	22,274	19.9%
Medium (250 - 499)	2,367	7,635	7,449	7,139	3,548	7,261	35,399	31.6%
Mod. Large (500-749)	921	2,569	4,274	5,570	3,740	6,268	23,342	20.8%
Large (750 - 999)	396	647	1,674	2,069	1,727	2,989	9,502	8.5%
Very Large (1,000+)	324	369	1,501	2,113	1,735	3,329	9,371	8.4%
Total	8,444	20,162	21,030	23,059	13,778	25,490	111,963	100.0%
% of all school sites	7.5%	18.0%	18.8%	20.6%	12.3%	22.8%		

Table 5: Count of School Sites by Enrollment and Discount Rate

School Site Enrollment	Discount Rate				TOTAL	
	20% - 39%	40% - 59%	60% - 79%	80-85%	Sites	%
Very small (0-61)	59	852	1,811	9,353	12,075	10.8%
Small (62-249)	116	2,661	4,944	14,553	22,274	19.9%
Medium (250 - 499)	146	6,279	7,494	21,480	35,399	31.6%
Mod. Large (500-749)	64	4,999	4,343	13,936	23,342	20.8%
Large (750 - 999)	18	2,154	1,707	5,623	9,502	8.5%
Very Large (1,000+)	23	2,398	1,716	5,234	9,371	8.4%
Total	426	19,343	22,015	70,179	111,963	100.0%
% of all school sites	0.4%	17.3%	19.7%	62.7%		

Table 6: Count of School Sites by C2 Budget Cap Methodology and Discount Rate

C2 Budget Cap Calculation	Discount Rate				TOTAL	
	20% - 39%	40% - 59%	60% - 79%	80-85%	Sites	%
Floor	59	852	1,811	9,353	12,075	10.8%
Per Student	367	18,491	20,204	60,826	99,888	89.2%
Total	426	19,343	22,015	70,179	111,963	100.0%
% of all school sites	0.4%	17.3%	19.7%	62.7%		

Table 7: Count of School Sites by Enrollment and C2 Budget Utilization

School Site Enrollment	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
Very small (0-61)	5,109	1,315	954	862	1,145	2,690	12,075	10.8%
Small (62-249)	4,070	1,662	1,929	2,301	3,768	8,544	22,274	19.9%
Medium (250 - 499)	3,123	2,917	3,437	4,856	8,148	12,918	35,399	31.6%
Mod. Large (500-749)	1,696	2,186	2,641	3,416	5,924	7,479	23,342	20.8%
Large (750 - 999)	760	946	1,102	1,420	2,501	2,773	9,502	8.5%
Very Large (1,000+)	803	1,067	1,150	1,486	2,316	2,549	9,371	8.4%
Total	15,561	10,093	11,213	14,341	23,802	36,953	111,963	100.0%
% of all school sites	13.9%	9.0%	10.0%	12.8%	21.3%	33.0%		

Table 8: Count of School Sites by Discount Rate and C2 Budget Utilization

School Site Discount Rate	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
20% - 39%	209	48	40	21	27	81	426	0.4%
40% - 59%	3,168	2,691	2,753	2,840	3,027	4,864	19,343	17.3%
60% - 79%	3,124	2,152	2,736	3,315	4,522	6,166	22,015	19.7%
80% - 85%	9,060	5,202	5,684	8,165	16,226	25,842	70,179	62.7%
Total	15,561	10,093	11,213	14,341	23,802	36,953	111,963	100.0%
% of all school sites	13.9%	9.0%	10.0%	12.8%	21.3%	33.0%		

Table 9: Count of School Sites by C2 Budget Cap Methodology and C2 Budget Utilization

C2 Budget Cap Calculation	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
Floor	5,109	1,315	954	862	1,145	2,690	12,075	10.8%
Per Student	10,452	8,778	10,259	13,479	22,657	34,263	99,888	89.2%
Total	15,561	10,093	11,213	14,341	23,802	36,953	111,963	100.0%
% of all school sites	13.9%	9.0%	10.0%	12.8%	21.3%	33.0%		

Table 10: Count of School Sites by Location Type and C2 Budget Utilization

Site Location	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
Rural	5,563	2,898	3,725	5,030	9,239	12,669	39,124	34.9%
Urban	9,998	7,195	7,488	9,311	14,563	24,284	72,839	65.1%
Total	15,561	10,093	11,213	14,341	23,802	36,953	111,963	100.0%
% of all school sites	13.9%	9.0%	10.0%	12.8%	21.3%	33.0%		

4. Rural Library Site Counts

Table 11: Count of Rural Library Sites by Square Footage and Size of Parent BEN

Rural Library Site Square Footage	Parent BEN Count of Sites						RURAL TOTAL	
	Single	2 - 4	5 - 9	10 - 24	25 - 49	50+	Sites	%
Very small (0-4K ft ²)	815	664	841	505	472	597	3,894	57.9%
Small (4K - 9K ft ²)	413	251	324	206	217	287	1,698	25.3%
Medium (10K - 19K ft ²)	212	153	154	105	73	141	838	12.5%
Mod. Large (20K - 49K ft ²)	53	68	63	22	20	51	277	4.1%
Large (50K - 99K ft ²)	2	5	2	1	1	2	13	0.2%
Very Large (100K+ ft ²)			1				1	0.0%
Total	1,495	1,141	1,385	839	783	1,078	6,721	100.0%
% of all school sites	22.2%	17.0%	20.6%	12.5%	11.7%	16.0%		

Table 12: Count of Rural Library Sites by Square Footage and Discount Rate

Rural Library Site Square Footage	Discount Rate				RURAL TOTAL	
	20% - 39%	40% - 59%	60% - 79%	80-85%	Sites	%
Very small (0-4K ft ²)	10	90	965	2,829	3,894	57.9%
Small (4K - 9K ft ²)	16	69	440	1,173	1,698	25.3%
Medium (10K - 19K ft ²)	4	47	204	583	838	12.5%
Mod. Large (20K - 49K ft ²)	5	14	81	177	277	4.1%
Large (50K - 99K ft ²)			4	9	13	0.2%
Very Large (100K+ ft ²)				1	1	0.0%
Total	35	220	1,694	4,772	6,721	100.0%
% of all school sites	0.5%	3.3%	25.2%	71.0%		

Table 13: Count of Rural Library Sites by C2 Budget Cap Methodology and Discount Rate

C2 Budget Cap Calculation	Discount Rate				RURAL TOTAL	
	20% - 39%	40% - 59%	60% - 79%	80-85%	Sites	%
Floor	10	90	965	2,829	3,894	57.9%
Per Square Foot	25	130	729	1,943	2,827	42.1%
Total	35	220	1,694	4,772	6,721	100.0%
% of all school sites	0.5%	3.3%	25.2%	71.0%		

Table 14: Count of Rural Library Sites by Square Footage and C2 Budget Utilization

Rural Library Site Square Footage	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
Very small (0-4K ft ²)	2,374	552	300	245	176	247	3,894	57.9%
Small (4K - 9K ft ²)	966	179	160	121	104	168	1,698	25.3%
Medium (10K - 19K ft ²)	442	145	98	64	44	45	838	12.5%
Mod. Large (20K - 49K ft ²)	155	55	30	15	15	7	277	4.1%
Large (50K - 99K ft ²)	6	3	3		1		13	0.2%
Very Large (100K+ ft ²)	1						1	0.0%
Total	3,944	934	591	445	340	467	6,721	100.0%
% of all school sites	58.7%	13.9%	8.8%	6.6%	5.1%	6.9%		

Table 15: Count of Rural Library Sites by Discount Rate and C2 Budget Utilization

Rural Library Site Discount Rate	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
20% - 39%	24	5	1	2	3		35	0.5%
40% - 59%	139	38	19	5	9	10	220	3.3%
60% - 79%	1,247	195	100	53	42	57	1,694	25.2%
80% - 85%	2,534	696	471	385	286	400	4,772	71.0%
Total	3,944	934	591	445	340	467	6,721	100.0%
% of all school sites	58.7%	13.9%	8.8%	6.6%	5.1%	6.9%		

Table 16: Count of Rural Library Sites by C2 Budget Cap Methodology and C2 Budget Utilization

C2 Budget Cap Calculation	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
Floor	2,374	552	300	245	176	247	3,894	57.9%
Per Student	1,570	382	291	200	164	220	2,827	42.1%
Total	3,944	934	591	445	340	467	6,721	100.0%
% of all school sites	58.7%	13.9%	8.8%	6.6%	5.1%	6.9%		

5. Urban Library Site Counts

Table 17: Count of Urban Library Sites by Square Footage and Size of Parent BEN

Urban Library Site Square Footage	Parent BEN Count of Sites				URBAN TOTAL	
	Single	2 - 4	5 - 9	50+	Sites	%
Very small (0-1.8K ft ²)	73	200	276	158	1,430	21.0%
Small (1.9K - 9K ft ²)	151	202	312	450	2,107	30.9%
Medium (10K - 19K ft ²)	73	152	191	389	1,695	24.9%
Mod. Large (20K - 49K ft ²)	106	173	134	194	1,179	17.3%
Large (50K - 99K ft ²)	36	56	52	51	281	4.1%
Very Large (100K+ ft ²)	17	13	18	14	127	1.9%
Total	456	796	983	1,256	6,819	100.0%
% of all school sites	6.7%	11.7%	14.4%	18.4%		

Table 18: Count of Urban Library Sites by Square Footage and Discount Rate

Urban Library Site Square Footage	Discount Rate				URBAN TOTAL	
	20% - 39%	40% - 59%	60% - 79%	80% - 85%	Sites	%
Very small (0-1.8K ft ²)	4	277	181	968	1,430	21.0%
Small (1.9K - 9K ft ²)	3	133	197	1,774	2,107	30.9%
Medium (10K - 19K ft ²)	2	163	183	1,347	1,695	24.9%
Mod. Large (20K - 49K ft ²)	1	177	177	824	1,179	17.3%
Large (50K - 99K ft ²)		44	45	192	281	4.1%
Very Large (100K+ ft ²)		10	7	110	127	1.9%
Total	10	804	790	5,215	6,819	100.0%
% of all school sites	0.1%	11.8%	11.6%	76.5%		

Table 19: Count of Urban Library Sites by C2 Budget Cap Methodology and Discount Rate

C2 Budget Cap Calculation	Discount Rate				URBAN TOTAL	
	20% - 39%	40% - 59%	60% - 79%	80-85%	Sites	%
Floor	4	277	181	968	1,430	21.0%
Per Square Foot	6	527	609	4,247	5,389	79.0%
Total	10	804	790	5,215	6,819	100.0%
% of all school sites	0.1%	11.8%	11.6%	76.5%		

Table 20: Count of Urban Library Sites by Square Footage and C2 Budget Utilization

Urban Library Site Square Footage	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
Very small (0-1.8K ft ²)	951	114	76	77	87	125	1,430	21.0%
Small (1.9K - 9K ft ²)	713	590	362	155	93	194	2,107	30.9%
Medium (10K - 19K ft ²)	622	579	284	118	63	29	1,695	24.9%
Mod. Large (20K - 49K ft ²)	580	391	132	35	21	20	1,179	17.3%
Large (50K - 99K ft ²)	147	94	24	11	2	3	281	4.1%
Very Large (100K+ ft ²)	49	50	15	7	3	3	127	1.9%
Total	3,062	1,818	893	403	269	374	6,819	100.0%
% of all school sites	44.9%	26.7%	13.1%	5.9%	3.9%	5.5%		

Table 21: Count of Urban Library Sites by Discount Rate and C2 Budget Utilization

Urban Library Site Discount Rate	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
20% - 39%	5	2	1	1		1	10	0.1%
40% - 59%	557	192	32	11	4	8	804	11.8%
60% - 79%	559	144	50	11	6	20	790	11.6%
80% - 85%	1,941	1,480	810	380	259	345	5,215	76.5%
Total	3,062	1,818	893	403	269	374	6,819	100.0%
% of all school sites	44.9%	26.7%	13.1%	5.9%	3.9%	5.5%		

Table 22: Count of Urban Library Sites by C2 Budget Cap Methodology and C2 Budget Utilization

C2 Budget Cap Calculation	C2 Budget Utilization (FY2015-FY2019)						TOTAL	
	Zero (0%)	1%-24%	25%-49%	50%-74%	75%-99%	Full (100%)	Sites	%
Floor	951	114	76	77	87	125	1,430	21.0%
Per Student	2,111	1,704	817	326	182	249	5,389	79.0%
Total	3,062	1,818	893	403	269	374	6,819	100.0%
% of all school sites	44.9%	26.7%	13.1%	5.9%	3.9%	5.5%		

6. School Site Budget Utilization

Table 23: Average School C2 Budget Utilization by Site Budget Cap Amount

Available School Budget	Site Count	Average Utilization	Available School Budget	Site Count	Average Utilization
\$10,000	12,200	39.7%	\$80,000	4,381	69.7%
\$15,000	3,757	58.0%	\$85,000	3,857	70.6%
\$20,000	3,863	62.5%	\$90,000	3,558	71.1%
\$25,000	3,497	64.4%	\$95,000	3,353	70.4%
\$30,000	3,550	66.1%	\$100,000	3,071	69.4%
\$35,000	3,753	67.2%	\$105,000	2,701	68.5%
\$40,000	3,888	68.1%	\$110,000	2,404	68.4%
\$45,000	4,102	70.4%	\$115,000	2,260	68.5%
\$50,000	4,343	70.9%	\$120,000	1,951	67.3%
\$55,000	4,369	70.4%	\$125,000	1,722	68.0%
\$60,000	4,564	71.2%	\$130,000	1,636	68.0%
\$65,000	4,786	71.1%	\$135,000	1,340	66.7%
\$70,000	4,525	70.4%	\$140,000	1,255	68.6%
\$75,000	4,482	70.9%	\$145,000	1,076	67.7%
			\$150,000+	11,719	65.9%
				111,963	65.1%

Figure 5: Average School C2 Budget Utilization by Budget Cap Amount

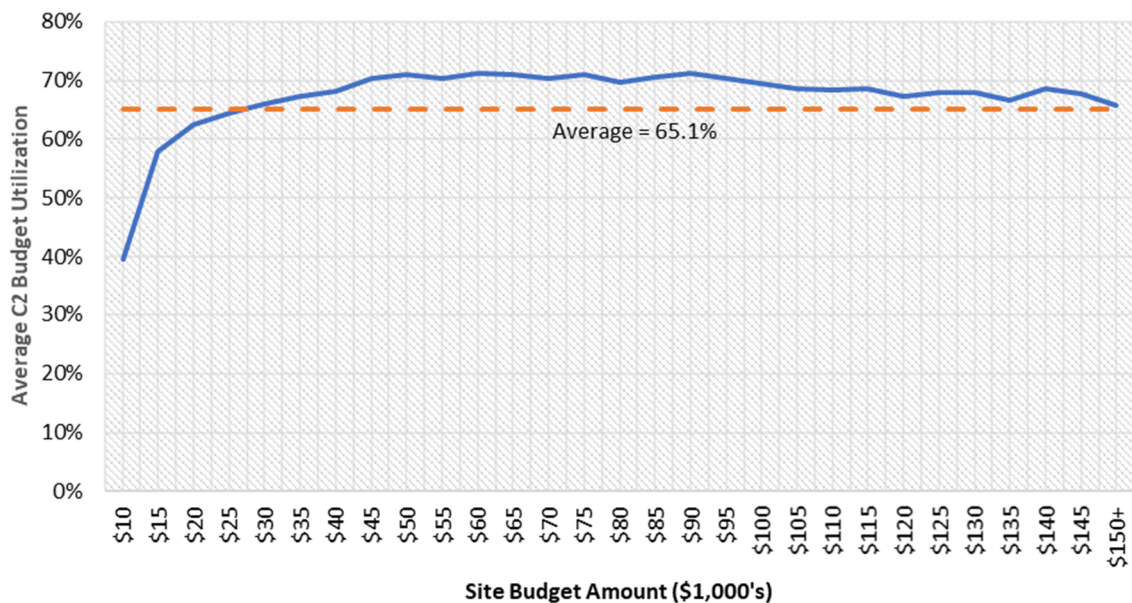


Table 24: Schools without C2 Requests and Average C2 Received by Sites with Requests

School Site Enrollment	Count of Sites		% with no C2	Average for Sites Requesting C2 Discounts		
	C2 Request	No C2		Budget Avail.	Budget Used	Discount Amt.
Very small (0-61)	7,086	4,989	41.3%	\$9,793	\$6,601	\$5,117
Small (62-249)	18,250	4,024	18.1%	\$24,862	\$19,862	\$14,883
Medium (250 - 499)	32,387	3,012	8.5%	\$59,988	\$46,290	\$33,986
Mod. Large (500-749)	21,747	1,595	6.8%	\$97,120	\$72,339	\$52,670
Large (750 - 999)	8,770	732	7.7%	\$136,255	\$100,076	\$72,374
Very Large (1,000+)	8,644	727	7.8%	\$249,273	\$175,316	\$123,987
Total	96,884	15,079	13.5%	\$77,643	\$60,636	\$43,975

Figure 6: Percentage of School Sites without C2 Funding Requests by Enrollment

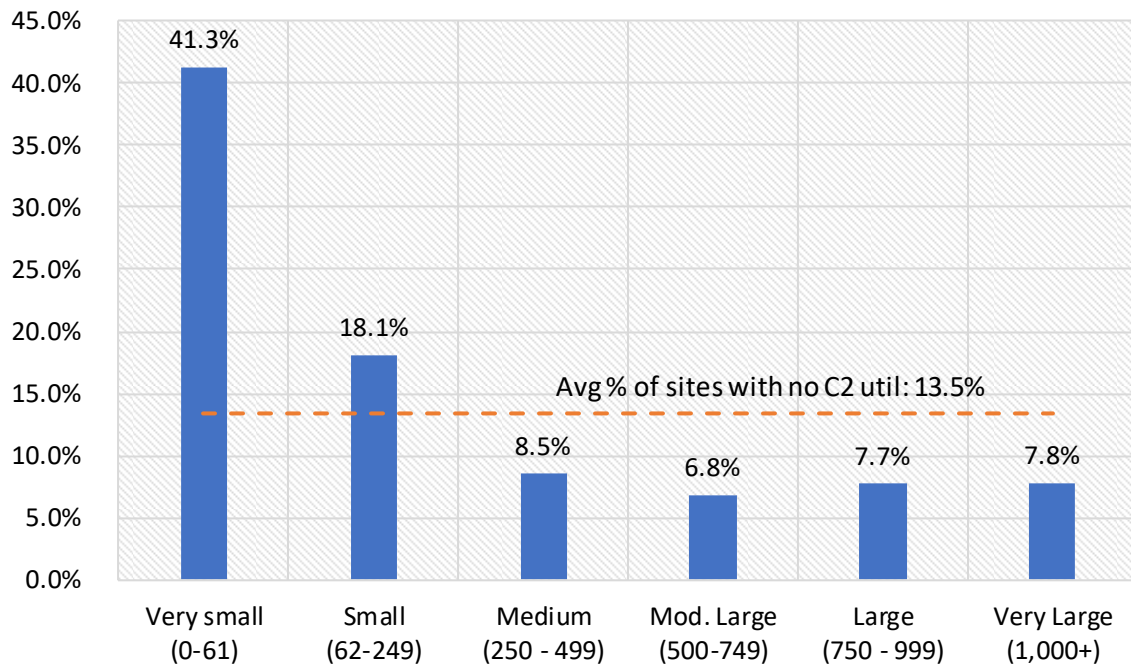


Table 25: Count of Individual School Sites by Per Student Budget Utilization and Student Enrollment

	Category Two Funds Requested						No Category Two Funds Requested						Total School Site Count	
	School Enrollment						School Enrollment							
Per Student Budget Utilization	Very small 0-61	Small 62 - 249	Medium 250 - 499	Mod. Large 500 - 749	Large 750 - 999	Very Large 1,000 +	Very small 0-61	Small 62 - 249	Medium 250 - 499	Mod. Large 500 - 749	Large 750 - 999	Very Large 1,000 +	Total	%
No utilization							4,989	4,024	3,012	1,595	732	727	15,079	13.5%
Floor	7,086												7,086	6.3%
\$0.01 to \$7.98		264	510	526	258	292							1,850	1.7%
\$7.99 to \$15.97		359	666	434	196	217							1,872	1.7%
\$15.98 to \$23.95		382	631	498	154	205							1,870	1.7%
\$23.96 to \$31.93		355	595	415	188	213							1,766	1.6%
\$31.94 to \$39.92		350	627	416	178	216							1,787	1.6%
\$39.93 to \$47.90		343	654	428	196	225							1,846	1.6%
\$47.91 to \$55.88		355	644	517	200	193							1,909	1.7%
\$55.89 to \$63.87		401	646	497	203	232							1,979	1.8%
\$63.88 to \$71.85		391	700	571	255	230							2,147	1.9%
\$71.86 to \$79.83		438	793	626	248	271							2,376	2.1%
\$79.84 to \$87.82		449	862	663	270	285							2,529	2.3%
\$87.83 to \$95.80		460	934	652	273	279							2,598	2.3%
\$95.81 to \$103.78		457	968	662	262	292							2,641	2.4%
\$103.79 to \$111.77		469	1,042	709	290	303							2,813	2.5%
\$111.78 to \$119.75		465	1,051	731	325	326							2,898	2.6%
\$119.76 to \$127.74		529	1,091	819	401	340							3,180	2.8%
\$127.75 to \$135.72		605	1,228	942	351	362							3,488	3.1%
\$135.73 to \$143.70		663	1,392	1,002	438	394							3,889	3.5%
\$143.71 to \$151.69		836	1,751	1,276	520	495							4,878	4.4%
\$151.70 to \$159.67		9,679	15,602	9,363	3,564	3,274							41,482	37.0%
Total Site Count	7,086	18,250	32,387	21,747	8,770	8,644	4,989	4,024	3,012	1,595	732	727	111,963	100.0%

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Source: E-rate Manager® (August 7, 2019)

Figure 7: Count of School Sites with Enrollment 62-to-249 Students by Per Student C2 Budget Utilization

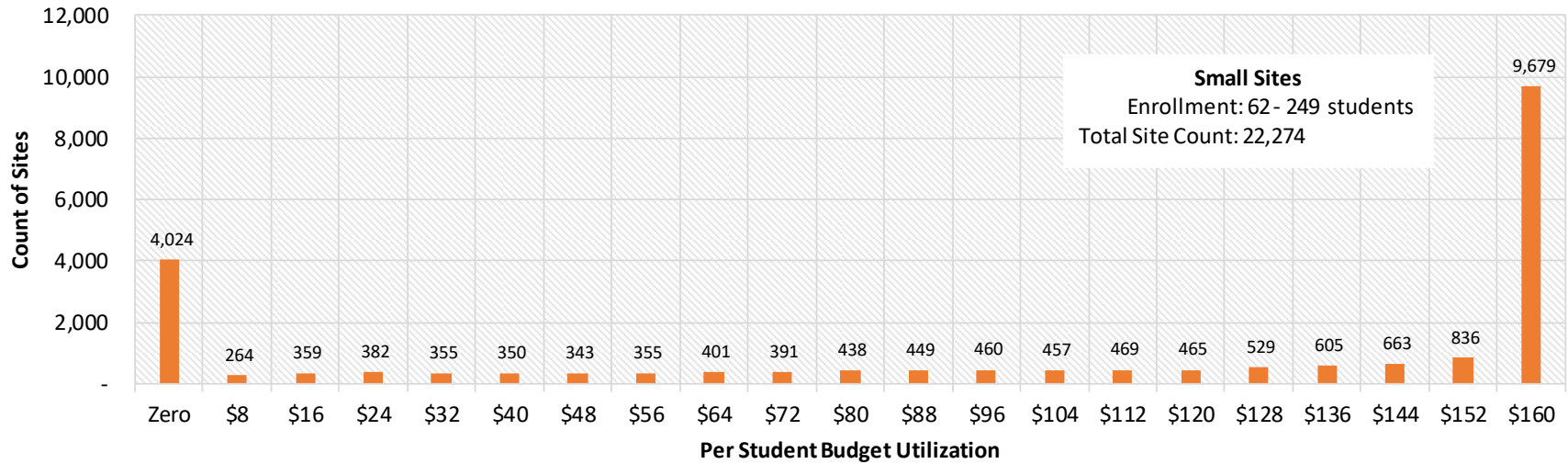


Figure 8: Count of School Sites with Enrollment 250-to-499 Students by Per Student C2 Budget Utilization

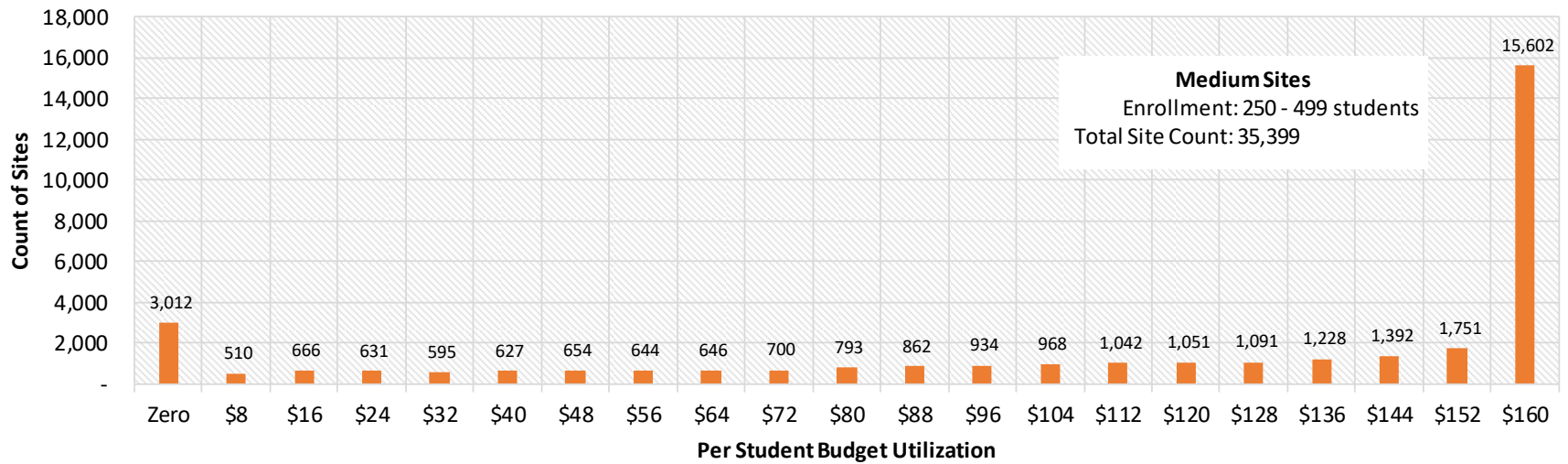


Figure 9: Count of School Sites with Enrollment 500-to-749 Students by Per Student C2 Budget Utilization

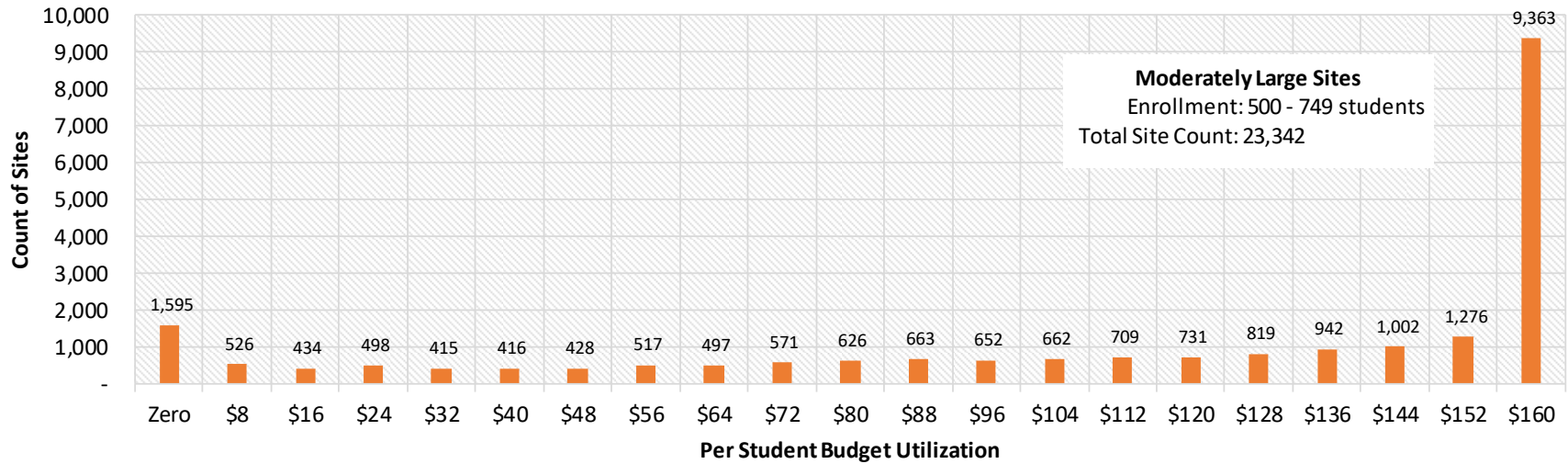


Figure 10: Count of School Sites with Enrollment 750-to-999 Students by Per Student C2 Budget Utilization

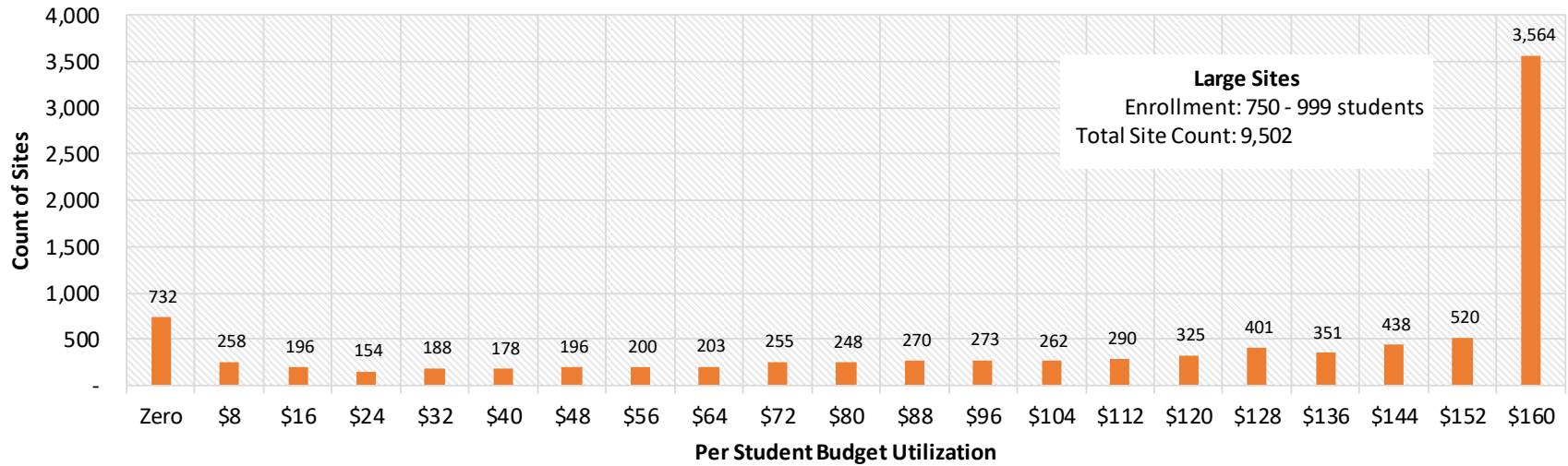


Figure 11: Count of School Sites with Enrollment 1,000 or More Students by Per Student C2 Budget Utilization

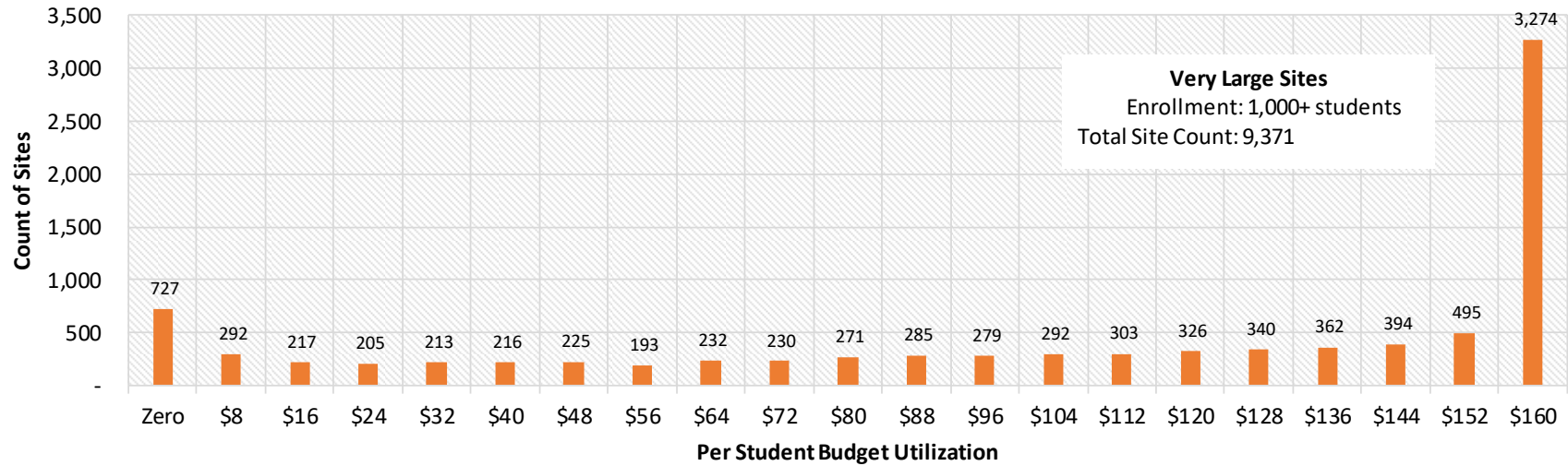


Figure 12: Count of All School Sites by Per Student C2 Budget Utilization (excluding "Floor" Sites)

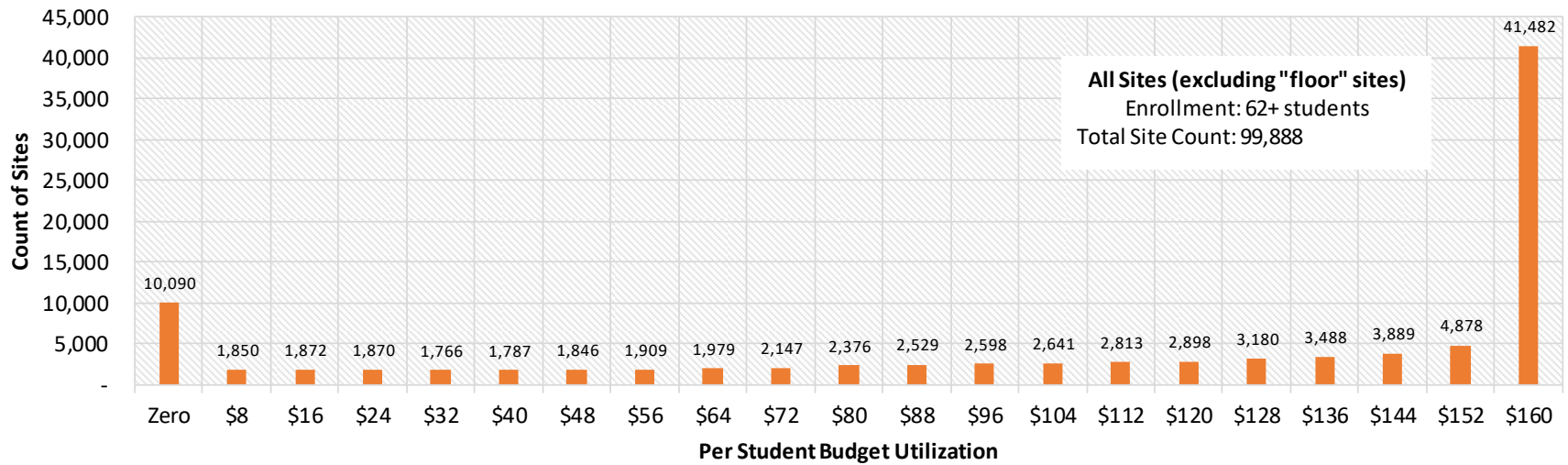
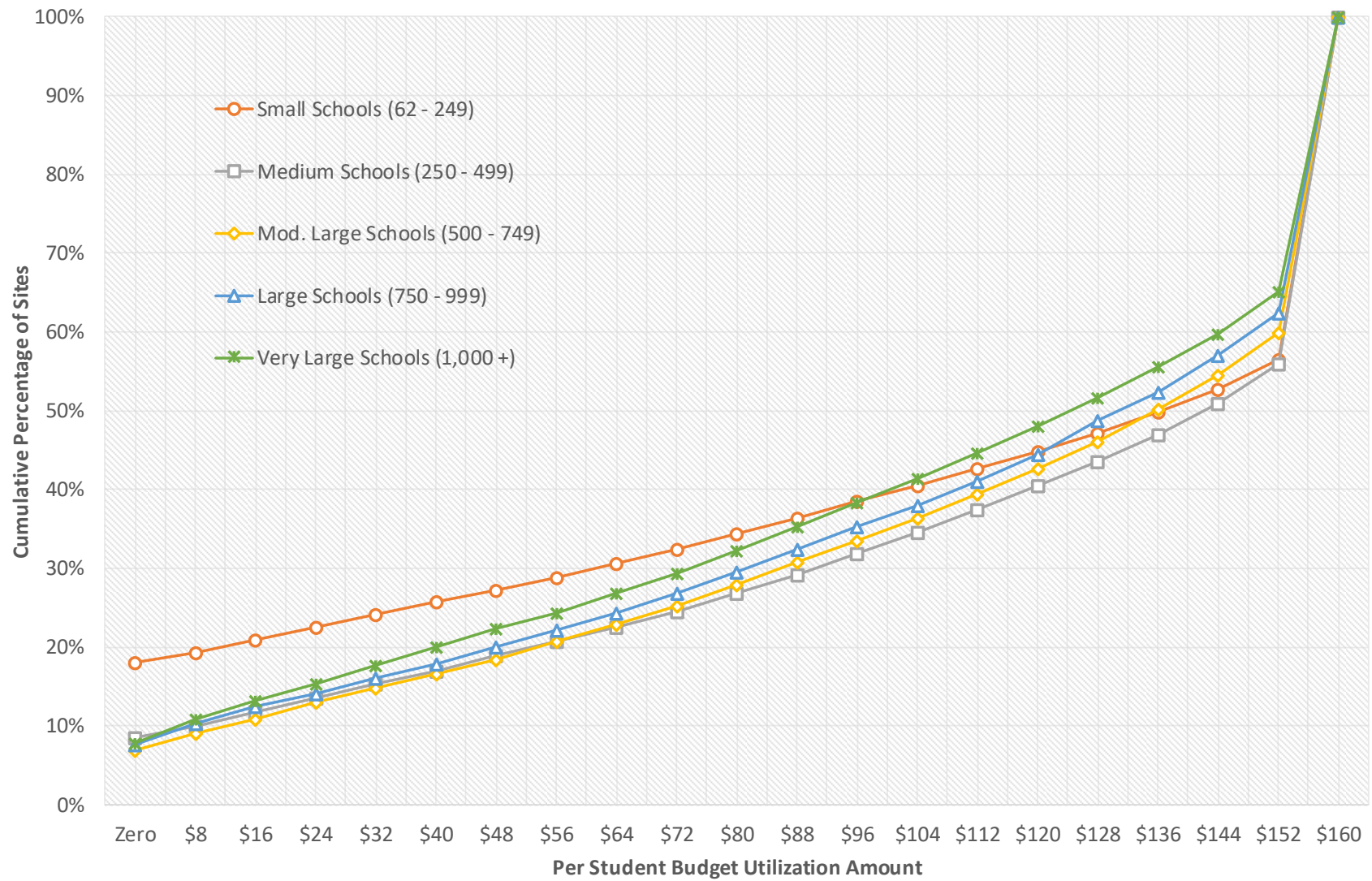


Figure 13: Cumulative % of School Sites by Per Student C2 Budget Utilization and Enrollment (excl. "Floor" Sites)



7. Library Site Budget Utilization

Table 26: Average Library C2 Budget Utilization by Site Budget Cap Amount

Available Library Budget	Site Count	Average Utilization	Available Library Budget	Site Count	Average Utilization
\$10,000	5,362	19.7%	\$80,000	201	18.1%
\$15,000	1,098	29.3%	\$85,000	124	17.8%
\$20,000	722	23.6%	\$90,000	157	18.6%
\$25,000	842	22.9%	\$95,000	96	14.5%
\$30,000	490	26.9%	\$100,000	112	15.8%
\$35,000	388	22.1%	\$105,000	84	14.4%
\$40,000	432	24.0%	\$110,000	132	16.7%
\$45,000	315	22.3%	\$115,000	84	14.0%
\$50,000	251	18.2%	\$120,000	72	17.5%
\$55,000	338	22.2%	\$125,000	58	12.7%
\$60,000	250	23.8%	\$130,000	60	12.2%
\$65,000	274	18.7%	\$135,000	111	12.0%
\$70,000	218	17.2%	\$140,000	60	14.1%
\$75,000	164	18.9%	\$145,000	38	8.2%
			\$150,000+	1,007	11.6%
				13,540	20.4%

Figure 14: Average Library C2 Budget Utilization by Budget Cap Amount

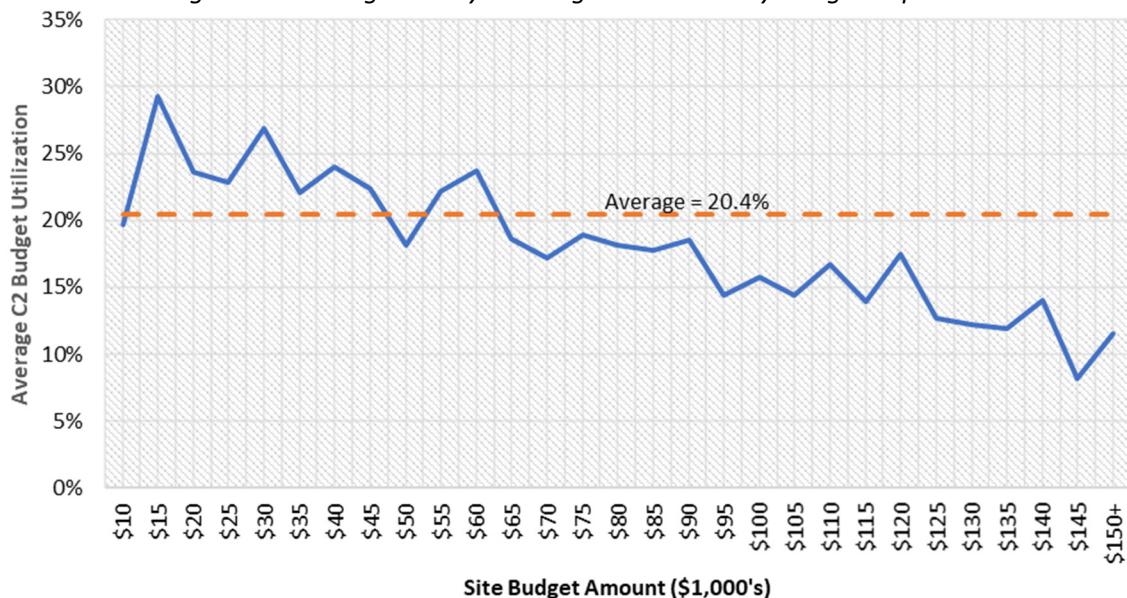


Table 27: Rural Libraries without C2 Requests and Average C2 Received by Sites with Requests

Rural Library Site Square Footage	Count of Sites		% with no C2	Average for Sites Requesting C2 Discounts		
	C2 Request	No C2		Budget Avail.	Budget Used	Discount Amt.
Very small (0-4K ft ²)	1,539	2,355	60.5%	\$9,793	\$4,765	\$3,879
Small (4K - 9K ft ²)	738	960	56.5%	\$15,576	\$8,467	\$6,688
Medium (10K - 19K ft ²)	402	436	52.0%	\$33,101	\$14,250	\$11,055
Mod. Large (20K - 49K ft ²)	127	150	54.2%	\$65,355	\$24,586	\$18,804
Large (50K - 99K ft ²)	8	5	38.5%	\$147,933	\$45,191	\$35,182
Very Large (100K+ ft ²)		1	100.0%	\$266,571	-	-
Total	2,814	3,907	58.1%	\$81,937	\$60,636	\$43,975

Figure 15: Percentage of Rural Library Sites without C2 Funding Requests by Square Footage

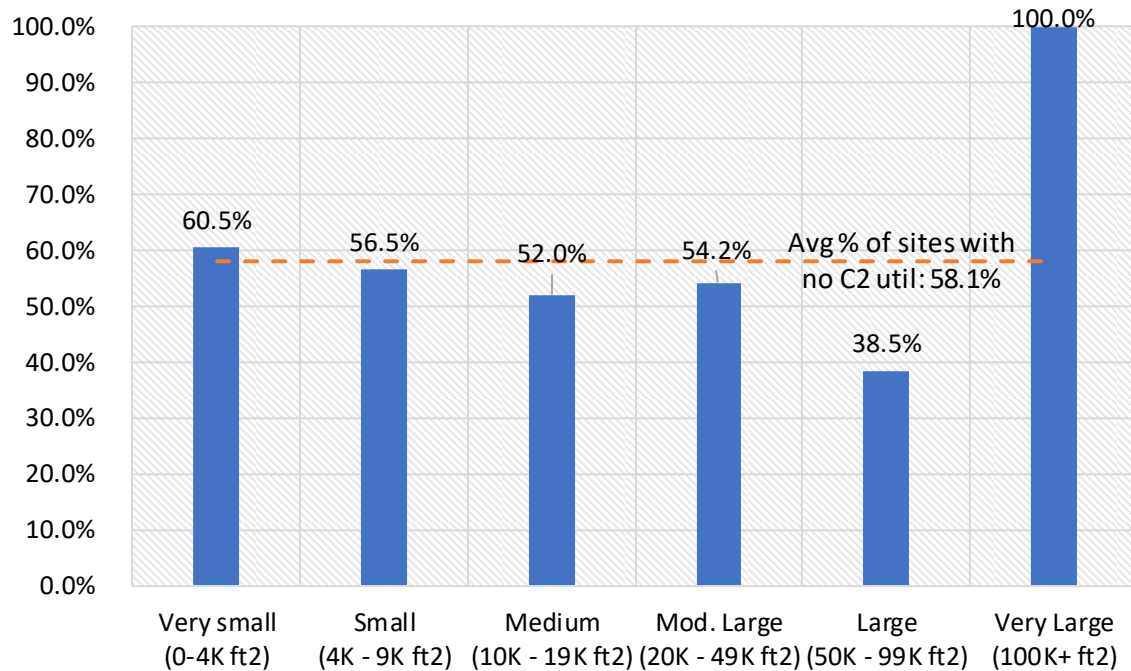


Table 28: Urban Libraries without C2 Requests and Average C2 Received by Sites with Requests

Urban Library Site Square Footage	Count of Sites		% with no C2	Average for Sites Requesting C2 Discounts		
	C2 Request	No C2		Budget Avail.	Budget Used	Discount Amt.
Very small (0-1.8K ft ²)	482	948	66.3%	\$9,793	\$5,900	\$4,867
Small (1.9K - 9K ft ²)	1,403	704	33.4%	\$29,815	\$11,419	\$9,372
Medium (10K - 19K ft ²)	1,084	611	36.0%	\$73,359	\$21,162	\$17,052
Mod. Large (20K - 49K ft ²)	624	555	47.1%	\$155,853	\$35,672	\$27,756
Large (50K - 99K ft ²)	145	136	48.4%	\$356,544	\$72,816	\$56,491
Very Large (100K+ ft ²)	87	40	31.5%	\$1,136,639	\$253,747	\$209,916
Total	3,825	2,994	43.9%	\$92,064	\$25,281	\$20,328

Figure 16: Percentage of Urban Library Sites without C2 Funding Requests by Square Footage

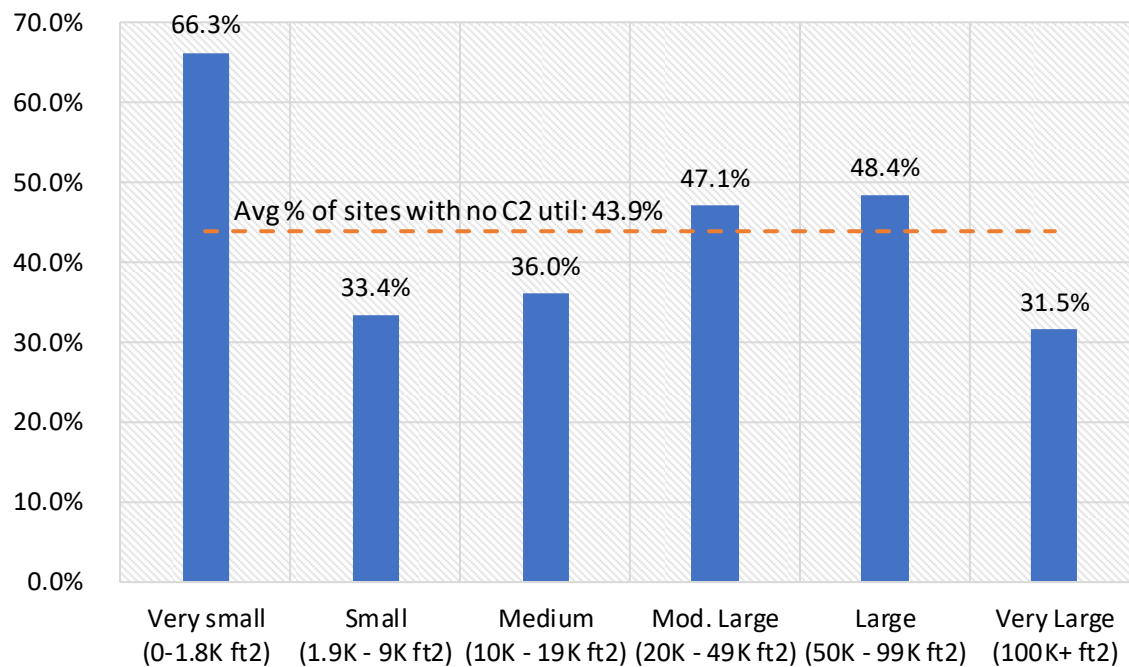


Table 29: Count of Rural Library Sites by Per Sq. Ft. Budget Utilization and Square Footage

	Category Two Funds Requested						No Category Two Funds Requested						Total Rural Library Count	
	Library Square Footage						Library Square Footage							
Per Square Foot Budget Utilization	Very small 0-4K ft ²	Small 4K-9K ft ²	Medium 10K-19K ft ²	Mod. Large 20K-49K ft ²	Large 50K-99K ft ²	Very Large 100K+ ft ²	Very small 0-4K ft ²	Small 4K-9K ft ²	Medium 10K-19K ft ²	Mod. Large 20K-49K ft ²	Large 50K-99K ft ²	Very Large 100K+ ft ²	Total	%
No utilization							2,355	960	436	150	5	1	3,907	58.1%
Floor	1,539												1,539	22.9%
\$0.01 to \$0.11		36	33	10	2								81	1.2%
\$0.12 to \$0.23		49	36	14									99	1.5%
\$0.24 to \$0.36		38	24	14	1								77	1.1%
\$0.37 to \$0.48		30	33	13									76	1.1%
\$0.49 to \$0.60		29	25	9	1								64	1.0%
\$0.61 to \$0.72		40	23	8	1								72	1.1%
\$0.73 to \$0.85		41	29	8									78	1.2%
\$0.86 to \$0.97		26	17	4									47	0.7%
\$0.98 to \$1.09		37	16	6	1								60	0.9%
\$1.10 to \$1.21		19	13	4	1								37	0.6%
\$1.22 to \$1.34		28	20	3									51	0.8%
\$1.35 to \$1.46		26	10	2									38	0.6%
\$1.47 to \$1.58		19	12	1									32	0.5%
\$1.59 to \$1.70		27	10	1									38	0.6%
\$1.71 to \$1.83		21	13	8									42	0.6%
\$1.84 to \$1.95		24	7	1	1								33	0.5%
\$1.96 to \$2.07		21	8										29	0.4%
\$2.08 to \$2.19		16	8	4									28	0.4%
\$2.20 to \$2.32		20	11	3									34	0.5%
\$2.33 to \$2.45		191	54	14									259	3.9%
Total Site Count	1,539	738	402	127	8	-	2,355	960	436	150	5	1	6,721	100.0%

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Source: E-rate Manager® (August 7, 2019)

Table 30: Count of Urban Library Sites by Per Sq. Ft. Budget Utilization and Square Footage

	Category Two Funds Requested						No Category Two Funds Requested						Total Urban Library Count	
	Library Square Footage						Library Square Footage							
Per Square Foot Budget Utilization	Very small 0-1.8K ft ²	Small 1.9K-9K ft ²	Medium 10K-19K ft ²	Mod. Large 20K-49K ft ²	Large 50K-99K ft ²	Very Large 100K+ ft ²	Very small 0-1.8K ft ²	Small 1.9K-9K ft ²	Medium 10K-19K ft ²	Mod. Large 20K-49K ft ²	Large 50K-99K ft ²	Very Large 100K+ ft ²	Total	%
No utilization							948	704	611	555	136	40	2,994	43.9%
Floor	482												482	7.1%
\$0.01 to \$0.26		106	198	138	40	23							505	7.4%
\$0.27 to \$0.52		231	105	92	21	16							465	6.8%
\$0.53 to \$0.79		90	96	80	22	11							299	4.4%
\$0.80 to \$1.05		102	95	63	12	4							276	4.0%
\$1.06 to \$1.32		70	94	42	10	5							221	3.2%
\$1.33 to \$1.59		82	82	45	8	4							221	3.2%
\$1.60 to \$1.85		98	60	25	3	4							190	2.8%
\$1.86 to \$2.12		61	67	19	3	2							152	2.2%
\$2.13 to \$2.39		76	54	24	7	1							162	2.4%
\$2.40 to \$2.65		44	23	20	3	4							94	1.4%
\$2.66 to \$2.92		36	34	14	2	3							89	1.3%
\$2.93 to \$3.18		35	26	7	1	2							71	1.0%
\$3.19 to \$3.45		22	20	6	4	1							53	0.8%
\$3.46 to \$3.72		33	25	6	3	1							68	1.0%
\$3.73 to \$3.98		30	13	2	1								46	0.7%
\$3.99 to \$4.25		13	13	5	2	1							34	0.5%
\$4.26 to \$4.51		23	13	4									40	0.6%
\$4.52 to \$4.78		21	17	3									41	0.6%
\$4.79 to \$5.05		13	12	6		2							33	0.5%
\$5.06 to \$5.32		217	37	23	3	3							283	4.2%
Total Site Count	482	1,403	1,084	624	145	87	948	704	611	555	136	40	6,819	100.0%

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Source: E-rate Manager® (August 7, 2019)

Figure 17: Count of All Rural Library Sites by Per Sq. Ft. Budget Utilization (excluding "Floor" Sites)

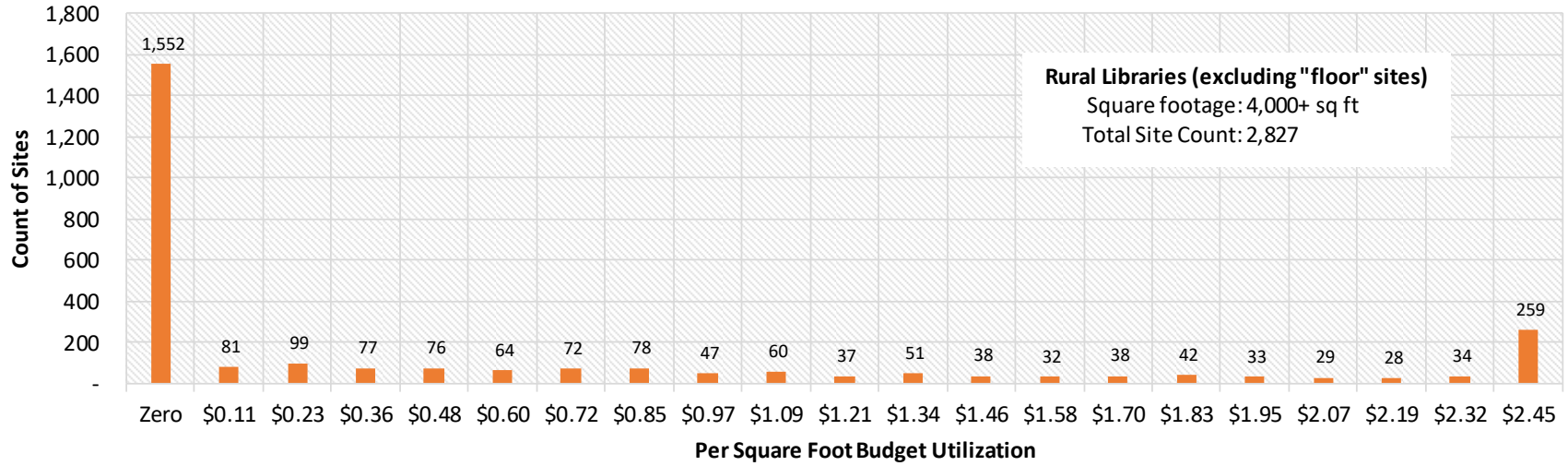


Figure 18: Count of All Urban Library Sites by Per Sq. Ft. Budget Utilization (excluding "Floor" Sites)

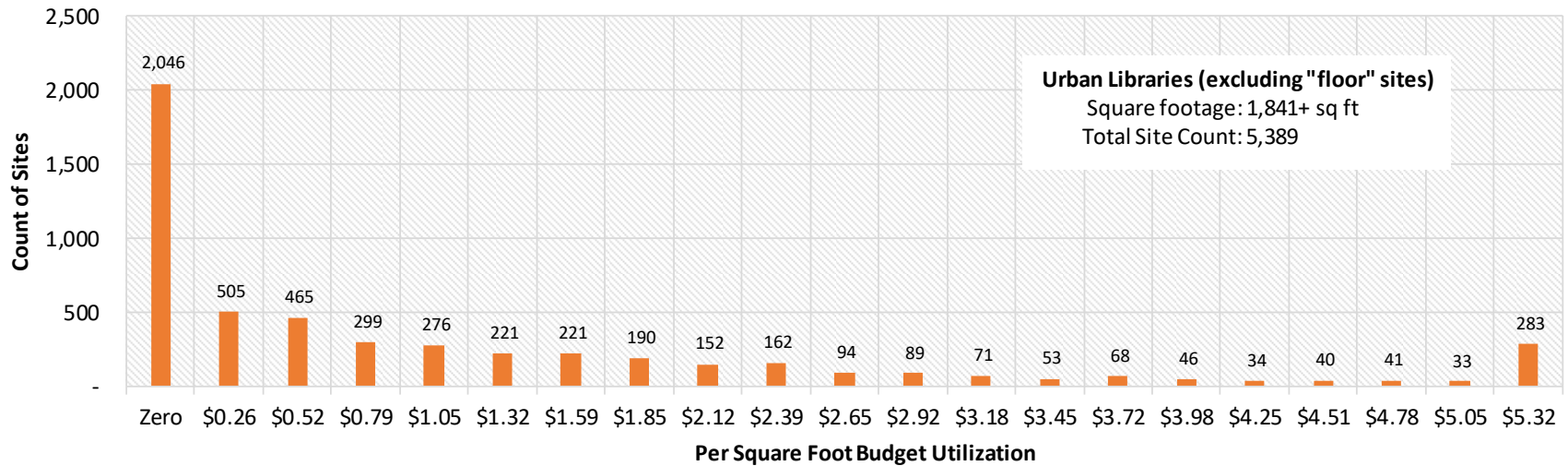


Figure 19: Cumulative % of Rural Library Sites by Per Sq. Ft. Budget Utilization (excluding "Floor" Sites)

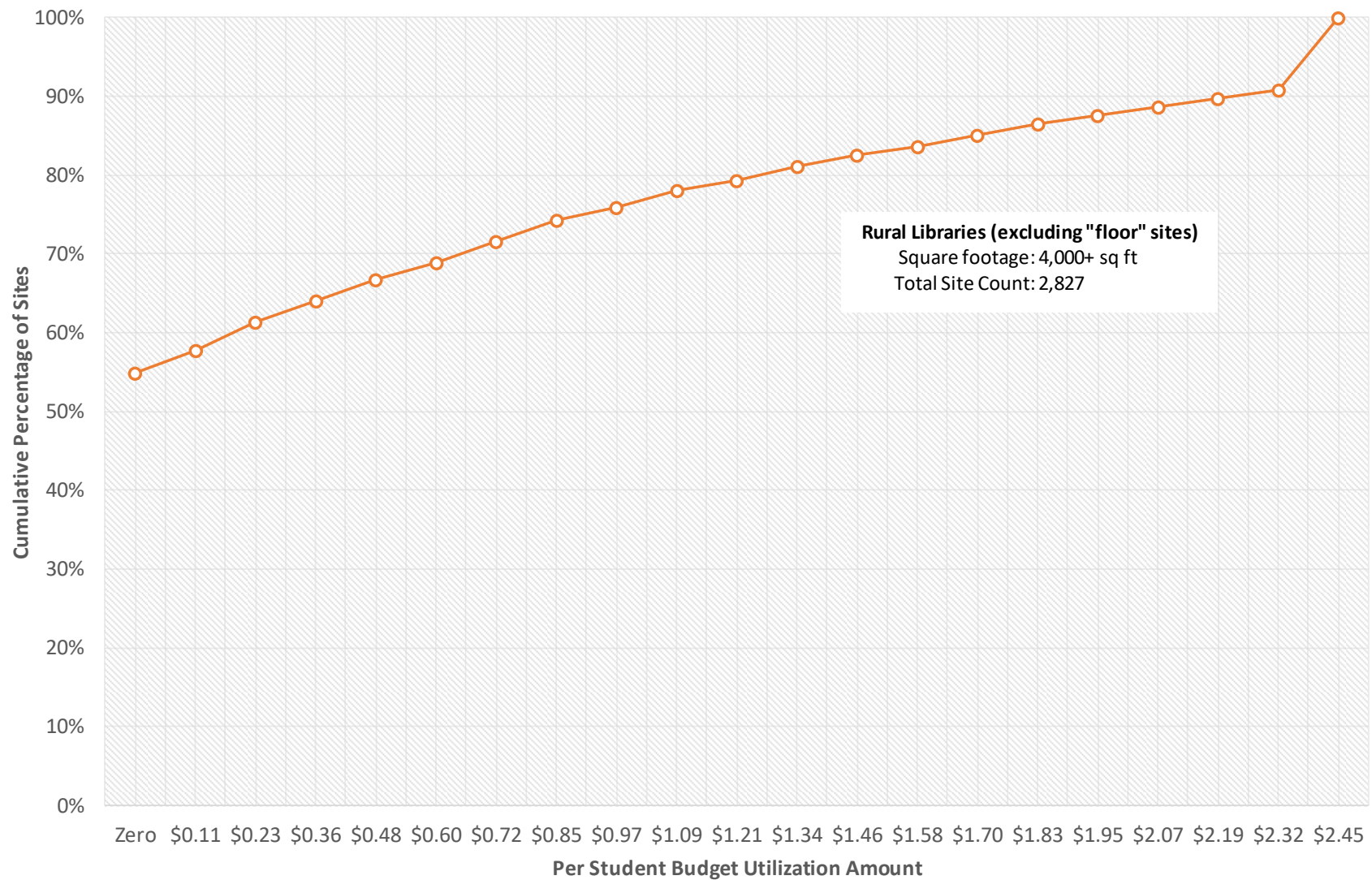
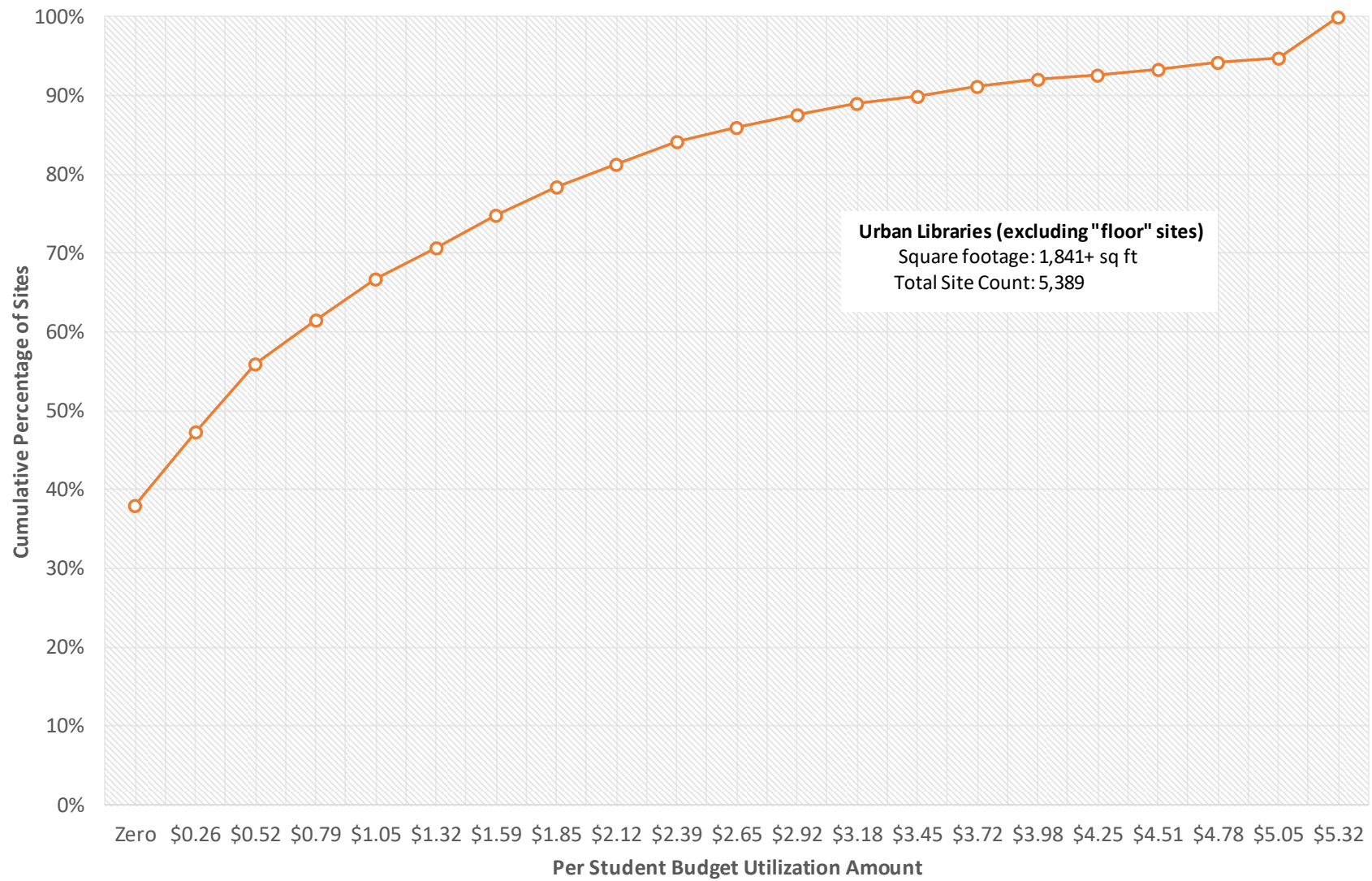


Figure 20: Cumulative % of Urban Library Sites by Per Sq. Ft. Budget Utilization (excluding "Floor" Sites)



8. State-by-State Impact of Budgets

Table 31: % of Sites Receiving Zero C2 Funds and Maximum C2 Funds by State

State	Site Count by Budget Utilization						Total Sites	% Zero	% Max
	Zero	1%-24%	25%-49%	50%-74%	75%-99%	100%			
AK	68	61	73	88	106	182	578	12%	31%
AL	300	97	184	232	402	484	1,699	18%	28%
AR	251	102	119	161	252	401	1,286	20%	31%
AS	41		1	3	9	9	63	65%	14%
AZ	263	150	270	271	322	987	2,263	12%	44%
CA	2,923	1,814	1,498	1,525	2,494	3,925	14,179	21%	28%
CO	336	320	253	329	368	582	2,188	15%	27%
CT	277	203	134	166	212	431	1,423	19%	30%
DC	16	18	89	43	28	70	264	6%	27%
DE	70	8	16	43	77	89	303	23%	29%
FL	1,099	428	428	593	920	1,564	5,032	22%	31%
GA	469	129	183	334	689	1,112	2,916	16%	38%
GU	6		2	20	18	2	48	13%	4%
HI	117	6	5	6	32	237	403	29%	59%
IA	325	159	270	294	301	378	1,727	19%	22%
ID	147	90	124	145	145	209	860	17%	24%
IL	692	450	504	644	825	1,971	5,086	14%	39%
IN	381	258	287	372	627	629	2,554	15%	25%
KS	228	209	183	224	354	505	1,703	13%	30%
KY	170	92	105	163	538	686	1,754	10%	39%
LA	387	145	190	234	523	620	2,099	18%	30%
MA	547	228	223	271	441	626	2,336	23%	27%
MD	465	254	217	274	290	425	1,925	24%	22%
ME	455	76	72	86	100	160	949	48%	17%
MI	724	422	529	564	858	909	4,006	18%	23%
MN	563	229	327	309	430	762	2,620	21%	29%
MO	573	212	306	397	564	757	2,809	20%	27%
MP	4		1	17		1	23	17%	4%

State	Site Count by Budget Utilization						Total Sites	% Zero	% Max
	Zero	1%-24%	25%-49%	50%-74%	75%-99%	100%			
MS	111	86	169	264	312	441	1,383	8%	32%
MT	205	103	149	98	143	152	850	24%	18%
NC	344	173	194	372	1,122	1,167	3,372	10%	35%
ND	113	32	51	69	66	133	464	24%	29%
NE	241	119	185	201	237	240	1,223	20%	20%
NH	104	60	52	67	70	115	468	22%	25%
NJ	417	360	289	298	547	1,408	3,319	13%	42%
NM	88	50	58	101	231	468	996	9%	47%
NV	133	214	22	52	65	215	701	19%	31%
NY	1,328	1,507	680	562	1,144	2,475	7,696	17%	32%
OH	1,059	477	648	777	866	1,107	4,934	21%	22%
OK	402	119	193	250	562	906	2,432	17%	37%
OR	251	89	160	184	244	445	1,373	18%	32%
PA	914	475	575	648	779	900	4,291	21%	21%
PR	39	591	302	406	500	822	2,660	1%	31%
RI	180	73	66	32	62	85	498	36%	17%
SC	217	185	116	133	344	636	1,631	13%	39%
SD	218	75	91	141	112	168	805	27%	21%
TN	480	123	242	252	464	616	2,177	22%	28%
TX	1,418	613	810	1,052	2,520	3,406	9,819	14%	35%
UT	316	352	173	168	168	158	1,335	24%	12%
VA	439	234	186	317	556	715	2,447	18%	29%
VI	4	5	3	3	15	26	56	7%	46%
VT	126	37	36	51	61	91	402	31%	23%
WA	448	293	334	403	548	706	2,732	16%	26%
WI	509	183	234	356	498	1,147	2,927	17%	39%
WV	485	19	52	70	176	230	1,032	47%	22%
WY	81	38	34	54	74	103	384	21%	27%
	22,567	12,845	12,697	15,189	24,411	37,794	125,503	18%	30%

Table 32: Impact of Budget Floors on C2 Applications by State

State	Budget Floor Site Count				Site Count Above Budget Floor				Δ % No C2 Floor-Cap
	C2	No C2	Total	% No c2	C2	No C2	Total	% no c2	
AK	132	44	176	25.0%	382	20	402	5.0%	20.0%
AL	76	112	188	59.6%	1,326	185	1,511	12.2%	47.3%
AR	36	89	125	71.2%	1,001	160	1,161	13.8%	57.4%
AS		21	21	100.0%	22	20	42	47.6%	52.4%
AZ	166	66	232	28.4%	1,838	193	2,031	9.5%	18.9%
CA	1,675	1,255	2,930	42.8%	9,695	1,554	11,249	13.8%	29.0%
CO	135	104	239	43.5%	1,723	226	1,949	11.6%	31.9%
CT	104	84	188	44.7%	1,052	183	1,235	14.8%	29.9%
DC	7	1	8	12.5%	241	15	256	5.9%	6.6%
DE	17	10	27	37.0%	216	60	276	21.7%	15.3%
FL	304	308	612	50.3%	3,658	762	4,420	17.2%	33.1%
GA	127	122	249	49.0%	2,327	340	2,667	12.7%	36.2%
GU			-	-	42	6	48	12.5%	-
HI	64	29	93	31.2%	284	26	310	8.4%	22.8%
IA	69	131	200	65.5%	1,338	189	1,527	12.4%	53.1%
ID	78	72	150	48.0%	638	72	710	10.1%	37.9%
IL	214	236	450	52.4%	4,188	448	4,636	9.7%	42.8%
IN	78	135	213	63.4%	2,097	244	2,341	10.4%	53.0%
KS	168	112	280	40.0%	1,322	101	1,423	7.1%	32.9%
KY	141	82	223	36.8%	1,448	83	1,531	5.4%	31.4%
LA	136	149	285	52.3%	1,577	237	1,814	13.1%	39.2%
MA	86	201	287	70.0%	1,705	344	2,049	16.8%	53.2%
MD	132	102	234	43.6%	1,411	280	1,691	16.6%	27.0%
ME	52	201	253	79.4%	442	254	696	36.5%	43.0%
MI	201	225	426	52.8%	3,093	487	3,580	13.6%	39.2%
MN	309	320	629	50.9%	1,756	235	1,991	11.8%	39.1%
MO	99	246	345	71.3%	2,143	321	2,464	13.0%	58.3%
MP	1	2	3	66.7%	18	2	20	10.0%	56.7%

State	Budget Floor Site Count				Site Count Above Budget Floor				Δ % No C2 Floor-Cap
	C2	No C2	Total	% No c2	C2	No C2	Total	% no c2	
MS	173	38	211	18.0%	1,100	72	1,172	6.1%	11.9%
MT	212	123	335	36.7%	436	79	515	15.3%	21.4%
NC	247	110	357	30.8%	2,782	233	3,015	7.7%	23.1%
ND	28	48	76	63.2%	323	65	388	16.8%	46.4%
NE	90	103	193	53.4%	892	138	1,030	13.4%	40.0%
NH	17	30	47	63.8%	348	73	421	17.3%	46.5%
NJ	224	85	309	27.5%	2,683	327	3,010	10.9%	16.6%
NM	96	26	122	21.3%	815	59	874	6.8%	14.6%
NV	41	33	74	44.6%	538	89	627	14.2%	30.4%
NY	479	424	903	47.0%	5,925	868	6,793	12.8%	34.2%
OH	159	430	589	73.0%	3,735	610	4,345	14.0%	59.0%
OK	223	220	443	49.7%	1,809	180	1,989	9.0%	40.6%
OR	80	82	162	50.6%	1,057	154	1,211	12.7%	37.9%
PA	172	370	542	68.3%	3,215	534	3,749	14.2%	54.0%
PR	753	26	779	3.3%	1,871	10	1,881	0.5%	2.8%
RI	26	48	74	64.9%	293	131	424	30.9%	34.0%
SC	106	64	170	37.6%	1,318	143	1,461	9.8%	27.9%
SD	160	110	270	40.7%	428	107	535	20.0%	20.7%
TN	59	136	195	69.7%	1,640	342	1,982	17.3%	52.5%
TX	396	363	759	47.8%	8,032	1,028	9,060	11.3%	36.5%
UT	127	164	291	56.4%	910	134	1,044	12.8%	43.5%
VA	107	115	222	51.8%	1,905	320	2,225	14.4%	37.4%
VI	6	3	9	33.3%	46	1	47	2.1%	31.2%
VT	38	46	84	54.8%	238	80	318	25.2%	29.6%
WA	220	206	426	48.4%	2,077	229	2,306	9.9%	38.4%
WI	169	199	368	54.1%	2,255	304	2,559	11.9%	42.2%
WV	23	204	227	89.9%	526	279	805	34.7%	55.2%
WY	69	27	96	28.1%	236	52	288	18.1%	10.1%
Total	9,107	8,292	17,399	47.7%	94,416	13,688	108,104	12.7%	35.0%