

SUMMARY OF UTILITY USE PER SITE BY FISCAL YEAR

Water Use by Gallons per Site by Fiscal Year

Sites	2012-13 (Baseline)	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
District Operations Center	1,997,160	1,875,984	1,813,900	1,438,404	1,674,024	2,093,652	1,543,124	1,460,844	1,198,296	1,688,984	1,819,136
Santa Ana College	35,758,140	36,499,408	31,588,788	27,594,468	27,079,096	35,137,300	25,981,780	24,680,260	21,365,124	24,404,248	24,486,528
Centennial Education Center	1,329,944	1,442,892	1,376,320	1,415,964	1,281,324	1,207,272	1,258,136	969,408	146,608	454,036	750,992
Digital Media Center	417,384	401,676	565,488	332,112	257,312	395,692	466,004	412,896	715,088	363,528	276,760
Orange County Sheriff's Regional Training Academy	1,828,860	2,047,276	2,126,564	1,415,216	1,244,672	845,988	1,295,536	2,427,260	8,378,348	4,862,748	831,776
Santiago Canyon College	37,986,432	41,012,840	32,291,908	20,534,096	22,499,092	29,388,172	26,468,728	26,122,404	28,103,108	28,334,988	21,600,744
Orange Education Center	1,414,468	742,016	878,900	373,252	1,040,468	963,424	130,900	5,984	0	0	0
Districtwide	80,732,388	84,022,092	70,641,868	53,103,512	55,075,988	70,031,500	57,144,208	56,079,056	59,906,572	60,108,532	49,765,936

Natural Gas Use by Therms Per Site by Fiscal Year

Sites	2012-13 (Baseline)	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
District Operations Center	7,303	8,360	5,331	7,347	11,016	14,738	15,238	11,668	9,300	7,684	15,498
Santa Ana College	141,777	125,931	104,654	111,837	122,283	138,617	141,208	134,050	146,209	181,483	255,500
Centennial Education Center	2,939	2,134	1,790	2,029	2,055	1,702	2,165	2,172	2,209	2,658	3,027
Digital Media Center	3,602	3,489	3,308	3,420	6,389	3,127	311	1,795	510	1	65
Orange County Sheriff's Regional Training Academy	7,037	6,195	3,004	4,377	4,210	6,831	6,292	6,480	4,864	4,825	8,977
Santiago Canyon College	157,181	142,773	105,172	114,745	112,475	101,996	117,376	98,163	65,132	98,999	107,910
Orange Education Center	10,426	6,886	210	1,138	187	34	0	0	0	0	0
Districtwide	330,265	295,768	223,469	244,893	258,615	267,045	282,590	254,328	228,224	295,650	390,977

Electricity Use by Kilowatt Hours Per Site by Fiscal Year

Sites	2012-13 (Baseline)	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
District Operations Center	1,222,424	1,379,409	1,125,280	847,325	865,735	883,893	856,975	825,599	737,901	778,176	730,783
Santa Ana College	8,669,762	8,722,061	8,140,174	8,166,950	8,244,453	8,460,769	7,333,808	7,007,845	6,652,093	7,920,443	8,756,570
Centennial Education Center	680,089	659,451	644,109	605,279	622,904	619,319	513,996	325,125	490,867	490,867	529,329
Digital Media Center	492,034	508,408	528,452	529,502	529,429	428,529	400,392	392,792	364,284	406,769	410,319
Orange County Sheriff's Regional Training Academy	823,648	889,446	936,498	876,507	785,915	725,676	703,366	695,604	673,285	672,563	678,067
Santiago Canyon College	4,991,821	4,895,855	5,520,082	5,072,556	5,153,590	4,747,751	4,185,125	3,837,760	3,241,879	3,882,682	3,831,273
Orange Education Center	780,722	514,535	444,519	427,247	351,542	235,468	245,102	112,303	51,693	60,136	153,955
Districtwide	17,660,500	17,569,165	17,339,114	16,544,619	16,535,943	16,104,990	14,344,087	13,385,899	12,046,260	14,211,636	15,090,296

Note: 2012-13 Baseline Year established per Sustainability Plan

*Updated based on available information as of 8/15/2023 (subject to change)

AVERAGE REDUCTIONS: FISCAL YEAR TO BASELINE YEAR

Water Use Change by Fiscal Year Compared to Baseline Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average
District Operations Center	-454,036	-536,316	-798,864	-308,176	-178,024	-455,083
Santa Ana College	-9,776,360	-11,077,880	-14,393,016	-11,353,892	-11,271,612	-11,574,552
Centennial Education Center	-71,808	-360,536	-1,183,336	-875,908	-578,952	-614,108
Digital Media Center	48,620	-4,488	297,704	-53,856	-140,624	29,471
Orange County Sheriff's Regional Training Academy	-533,324	598,400	6,549,488	3,033,888	-997,084	1,730,274
Santiago Canyon College	-11,517,704	-11,864,028	-9,883,324	-9,651,444	-16,385,688	-11,860,438
Orange Education Center	-1,283,568	-1,408,484	-1,414,468	-1,414,468	-1,414,468	-1,387,091
Districtwide	-23,588,180	-24,653,332	-20,825,816	-20,623,856	-30,966,452	-24,131,527

Natural Gas Use Change by Fiscal Year Compared to Baseline Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average
District Operations Center	7,935	4,365	1,997	381	8,195	4,575
Santa Ana College	-569	-7,727	4,432	39,706	113,723	29,913
Centennial Education Center	-774	-767	-730	-281	88	-493
Digital Media Center	-3,291	-1,807	-3,092	-3,601	-3,537	-3,066
Orange County Sheriff's Regional Training Academy	-745	-557	-2,173	-2,212	1,940	-749
Santiago Canyon College	-39,805	-59,018	-92,049	-58,182	-49,271	-59,665
Orange Education Center	-10,426	-10,426	-10,426	-10,426	-10,426	-10,426
Districtwide	-47,675	-75,937	-102,041	-34,615	60,712	-39,911

Electricity Use Change by Fiscal Year Compared to Baseline Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average
District Operations Center	-365,449	-396,825	-484,523	-444,248	-491,641	-436,537
Santa Ana College	-1,335,954	-1,661,917	-2,017,669	-749,319	86,808	-1,135,610
Centennial Education Center	-60,770	-166,093	-354,964	-189,222	-150,760	-184,362
Digital Media Center	-91,642	-99,242	-127,750	-85,265	-81,715	-97,123
Orange County Sheriff's Regional Training Academy	-120,282	-128,044	-150,363	-151,085	-145,581	-139,071
Santiago Canyon College	-806,696	-1,154,061	-1,749,942	-1,109,139	-1,160,548	-1,196,077
Orange Education Center	-535,620	-668,419	-729,029	-720,586	-626,767	-656,084
Districtwide	-3,316,413	-4,274,601	-5,614,240	-3,448,864	-2,570,204	-3,844,864

PERCENTAGE CHANGE: FISCAL YEAR TO BASELINE YEAR

Water Use Percent Change by Fiscal Year Compared to Baseline Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average %
District Operations Center	-22.73%	-26.85%	-40.00%	-15.43%	-8.91%	-22.79%
Santa Ana College	-27.34%	-30.98%	-40.25%	-31.75%	-31.52%	-32.37%
Centennial Education Center	-5.40%	-27.11%	-88.98%	-65.86%	-43.53%	-46.18%
Digital Media Center	11.65%	-1.08%	71.33%	-12.90%	-33.69%	7.06%
Orange County Sheriff's Regional Training Academy	-29.16%	32.72%	358.12%	165.89%	-54.52%	94.61%
Santiago Canyon College	-30.32%	-31.23%	-26.02%	-25.41%	-43.14%	-31.22%
Orange Education Center	-90.75%	-99.58%	-100.00%	-100.00%	-100.00%	-98.06%
Districtwide	-29.22%	-30.54%	-25.80%	-25.55%	-38.36%	-29.89%

Natural Gas Use Percent Change by Fiscal Year Compared to Baseline Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average %
District Operations Center	108.65%	59.77%	27.34%	5.22%	112.22%	62.64%
Santa Ana College	-0.40%	-5.45%	3.13%	28.01%	80.21%	21.10%
Centennial Education Center	-26.34%	-26.10%	-24.84%	-9.56%	2.99%	-16.77%
Digital Media Center	-91.37%	-50.17%	-85.84%	-99.97%	-98.20%	-85.11%
Orange County Sheriff's Regional Training Academy	-10.59%	-7.92%	-30.88%	-31.43%	27.57%	-10.65%
Santiago Canyon College	-25.32%	-37.55%	-58.56%	-37.02%	-31.35%	-37.96%
Orange Education Center	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%
Districtwide	-14.44%	-22.99%	-30.90%	-10.48%	18.38%	-12.08%

Electricity Use Percent Change by Fiscal Year Compared to Baseline Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average %
District Operations Center	-29.90%	-32.46%	-39.64%	-36.34%	-40.22%	-35.71%
Santa Ana College	-15.41%	-19.17%	-23.27%	-8.64%	1.00%	-13.10%
Centennial Education Center	-8.94%	-24.42%	-52.19%	-27.82%	-22.17%	-27.11%
Digital Media Center	-18.63%	-20.17%	-25.96%	-17.33%	-16.61%	-19.74%
Orange County Sheriff's Regional Training Academy	-14.60%	-15.55%	-18.26%	-18.34%	-17.68%	-16.88%
Santiago Canyon College	-16.16%	-23.12%	-35.06%	-22.22%	-23.25%	-23.96%
Orange Education Center	-68.61%	-85.62%	-93.38%	-92.30%	-80.28%	-84.04%
Districtwide	-18.78%	-24.20%	-31.79%	-19.53%	-14.55%	-21.77%

AVERAGE REDUCTIONS: YEAR TO YEAR

Water Use Change by Fiscal Year Compared to Previous Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average
District Operations Center	-550528	-82280	-262548	490688	130152	-54903
Santa Ana College	-9155520	-1301520	-3315136	3039124	82280	-2130154
Centennial Education Center	50864	-288728	-822800	307428	296956	-91256
Digital Media Center	70312	-53108	302192	-351560	-86768	-23786
Orange County Sheriff's Regional Training Academy	449548	1131724	5951088	-3515600	-4030972	-2842
Santiago Canyon College	-2919444	-346324	1980704	231880	-6734244	-1557486
Orange Education Center	-832524	-124916	-5984	0	0	-192685
Districtwide	-12887292	-1065152	3827516	201960	-10342596	-4053113

Natural Gas Use Change by Fiscal Year Compared to Previous Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average
District Operations Center	500	-3570	-2368	-1616	7814	152
Santa Ana College	2591	-7158	12159	35274	74017	23377
Centennial Education Center	463	7	37	449	369	265
Digital Media Center	-2816	1484	-1285	-509	64	-612
Orange County Sheriff's Regional Training Academy	-539	188	-1616	-39	4152	429
Santiago Canyon College	15380	-19213	-33031	33867	8911	1183
Orange Education Center	-34	0	0	0	0	-7
Districtwide	15545	-28262	-26104	67426	95327	24786

Electricity Use Change by Fiscal Year Compared to Previous Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average
District Operations Center	-26918	-31376	-87698	40275	-47393	-30622
Santa Ana College	-1126961	-325963	-355752	1268350	836127	59160
Centennial Education Center	-3585	-105323	-188871	165742	38462	-18715
Digital Media Center	-28137	-7600	-28508	42485	3550	-3642
Orange County Sheriff's Regional Training Academy	-22310	-7762	-22319	-722	5504	-9522
Santiago Canyon College	-562626	-347365	-595881	640803	-51409	-183296
Orange Education Center	9634	-132799	-60610	8443	93819	-16303
Districtwide	-1760903	-958188	-1339639	2165376	878660	-202939

PERCENTAGE CHANGE: YEAR TO YEAR

Water Use Percent Change by Fiscal Year Compared to Previous Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average %
District Operations Center	-26.30%	-5.33%	-17.97%	40.95%	7.71%	-0.19%
Santa Ana College	-26.06%	-5.01%	-13.43%	14.22%	0.34%	-5.99%
Centennial Education Center	4.21%	-22.95%	-84.88%	209.69%	65.40%	34.30%
Digital Media Center	17.77%	-11.40%	73.19%	-49.16%	-23.87%	1.31%
Orange County Sheriff's Regional Training Academy	53.14%	87.36%	245.18%	-41.96%	-82.89%	52.16%
Santiago Canyon College	-9.93%	-1.31%	7.58%	0.83%	-23.77%	-5.32%
Orange Education Center	-86.41%	-95.43%	-100.00%	0.00%	0.00%	-56.37%
Districtwide	-18.40%	-1.86%	6.83%	0.34%	-17.21%	-6.06%

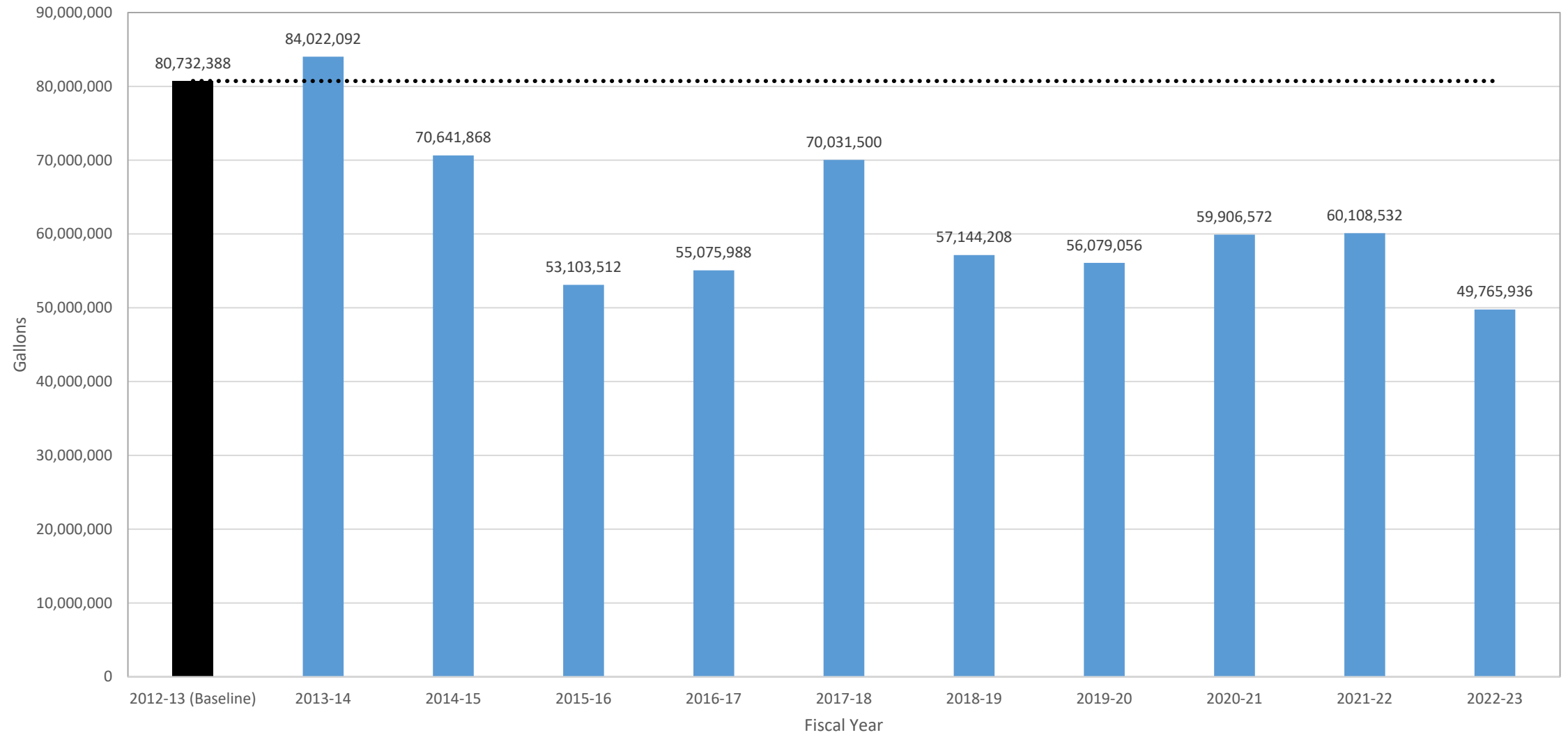
Natural Gas Use Percent Change by Fiscal Year Compared to Previous Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average %
District Operations Center	3.39%	-23.43%	-20.29%	-17.38%	101.70%	8.80%
Santa Ana College	1.87%	-5.07%	9.07%	24.13%	40.78%	14.16%
Centennial Education Center	27.20%	0.32%	1.70%	20.33%	13.87%	12.69%
Digital Media Center	-90.05%	477.17%	-71.59%	-99.80%	6390.10%	1321.16%
Orange County Sheriff's Regional Training Academy	-7.89%	2.99%	-24.94%	-0.80%	86.05%	11.08%
Santiago Canyon College	15.08%	-16.37%	-33.65%	52.00%	9.00%	5.21%
Orange Education Center	-100.00%	0.00%	0.00%	0.00%	0.00%	-20.00%
Districtwide	5.82%	-10.00%	-10.26%	29.54%	32.24%	9.47%

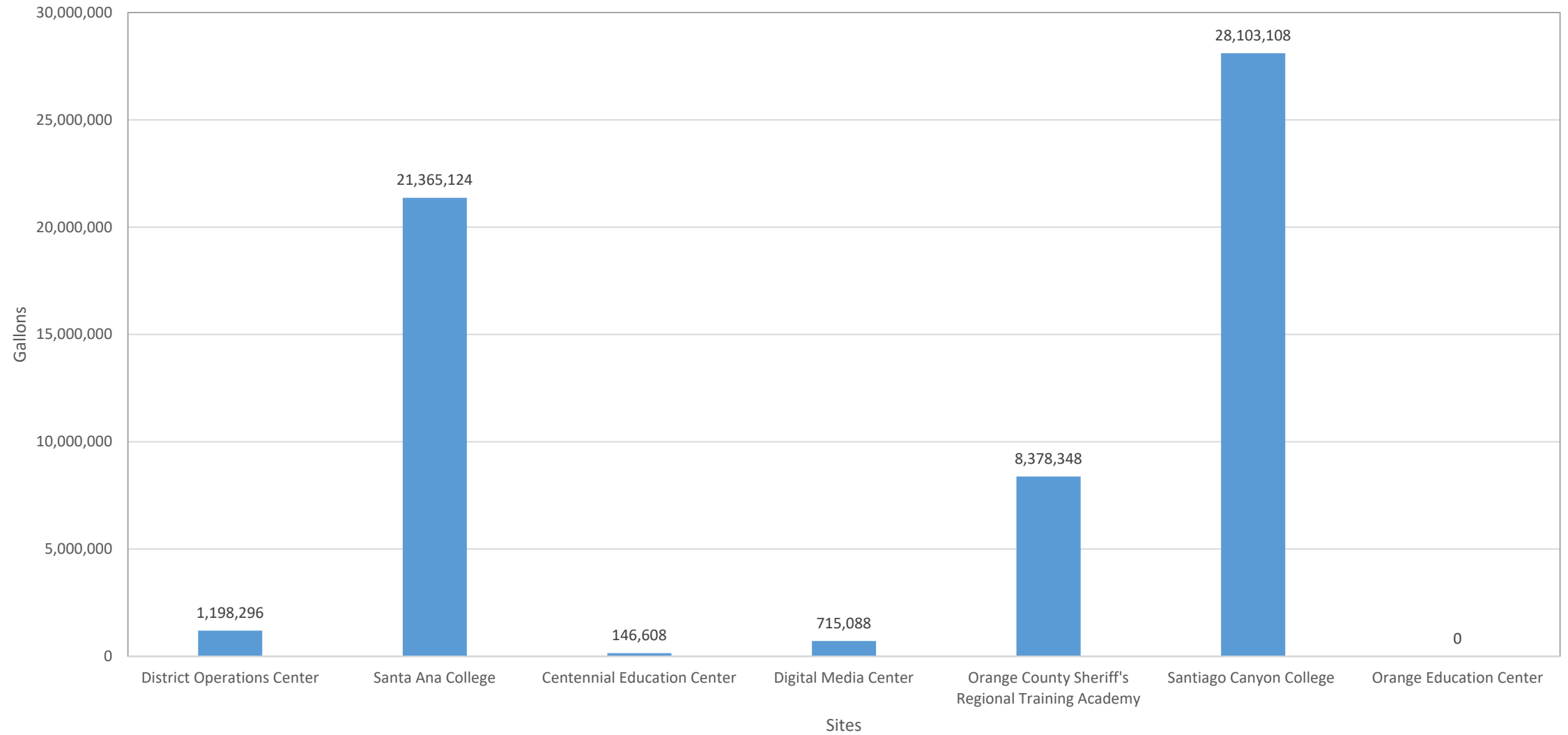
Electricity Use Percent Change by Fiscal Year Compared to Previous Year

Sites	2018-19	2019-20	2020-21	2021-22	2022-23	Five Year Average %
District Operations Center	-3.05%	-3.66%	-10.62%	5.46%	-6.09%	-3.59%
Santa Ana College	-13.32%	-4.44%	-5.08%	19.07%	10.56%	1.36%
Centennial Education Center	-0.58%	-17.01%	-36.75%	50.98%	7.84%	0.90%
Digital Media Center	-6.57%	-1.90%	-7.26%	11.66%	0.87%	-0.64%
Orange County Sheriff's Regional Training Academy	-3.07%	-1.10%	-3.21%	-0.11%	0.82%	-1.34%
Santiago Canyon College	-11.85%	-8.30%	-15.53%	19.77%	-1.32%	-3.45%
Orange Education Center	4.09%	-54.18%	-53.97%	16.33%	156.01%	13.66%
Districtwide	-10.93%	-6.68%	-10.01%	17.98%	6.18%	-0.69%

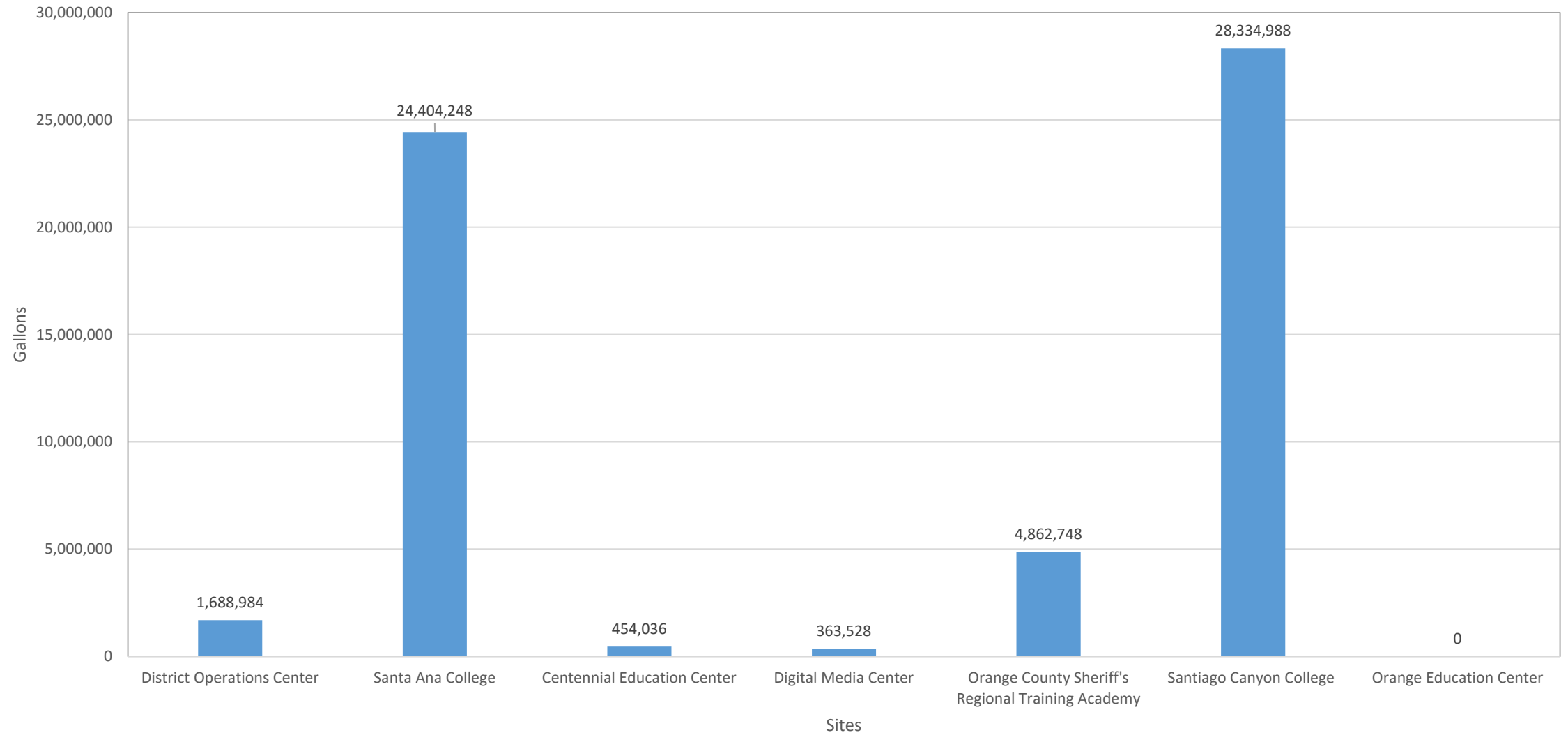
Districtwide Water Consumption History by Fiscal Year



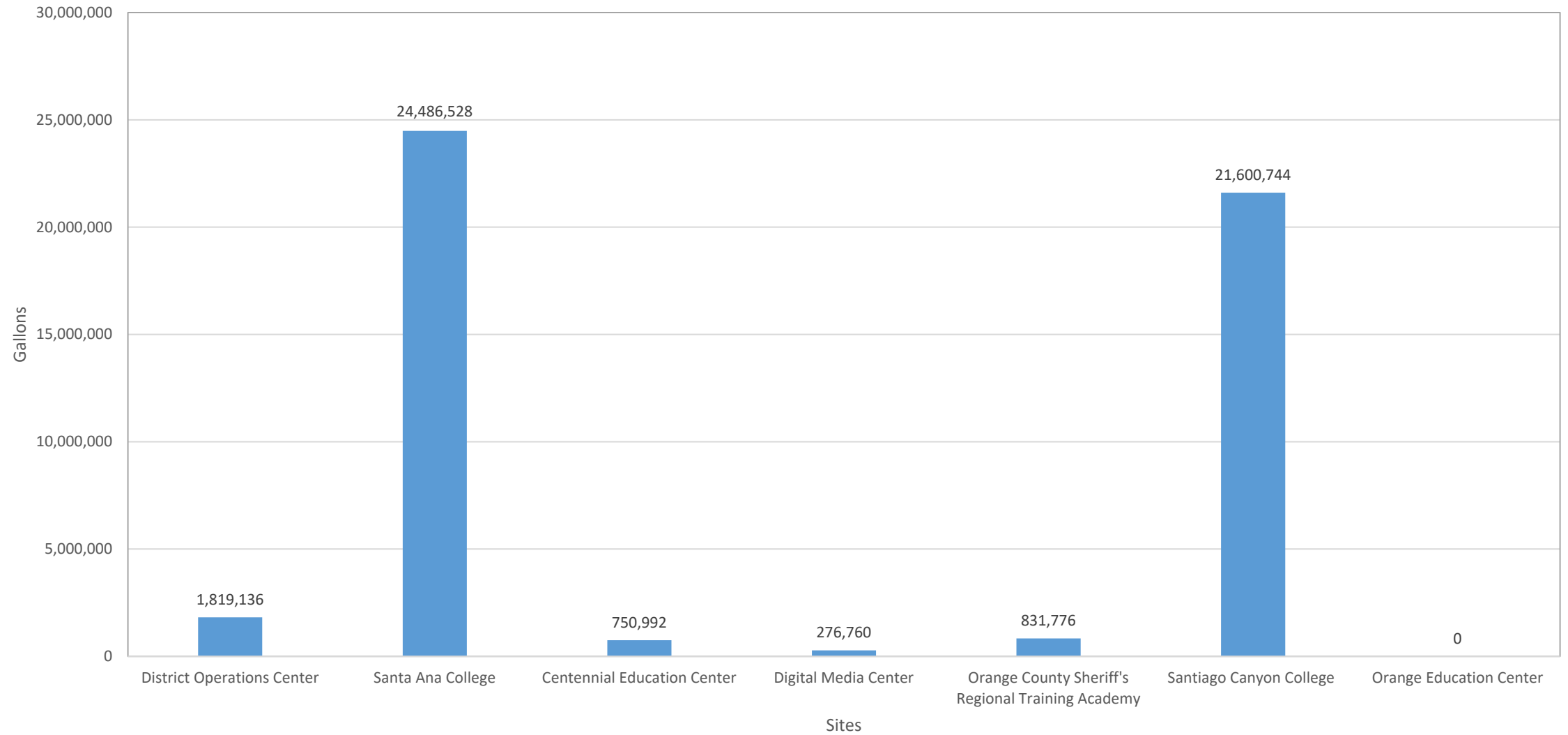
District Sites Water Consumption Fiscal Year 2020-21



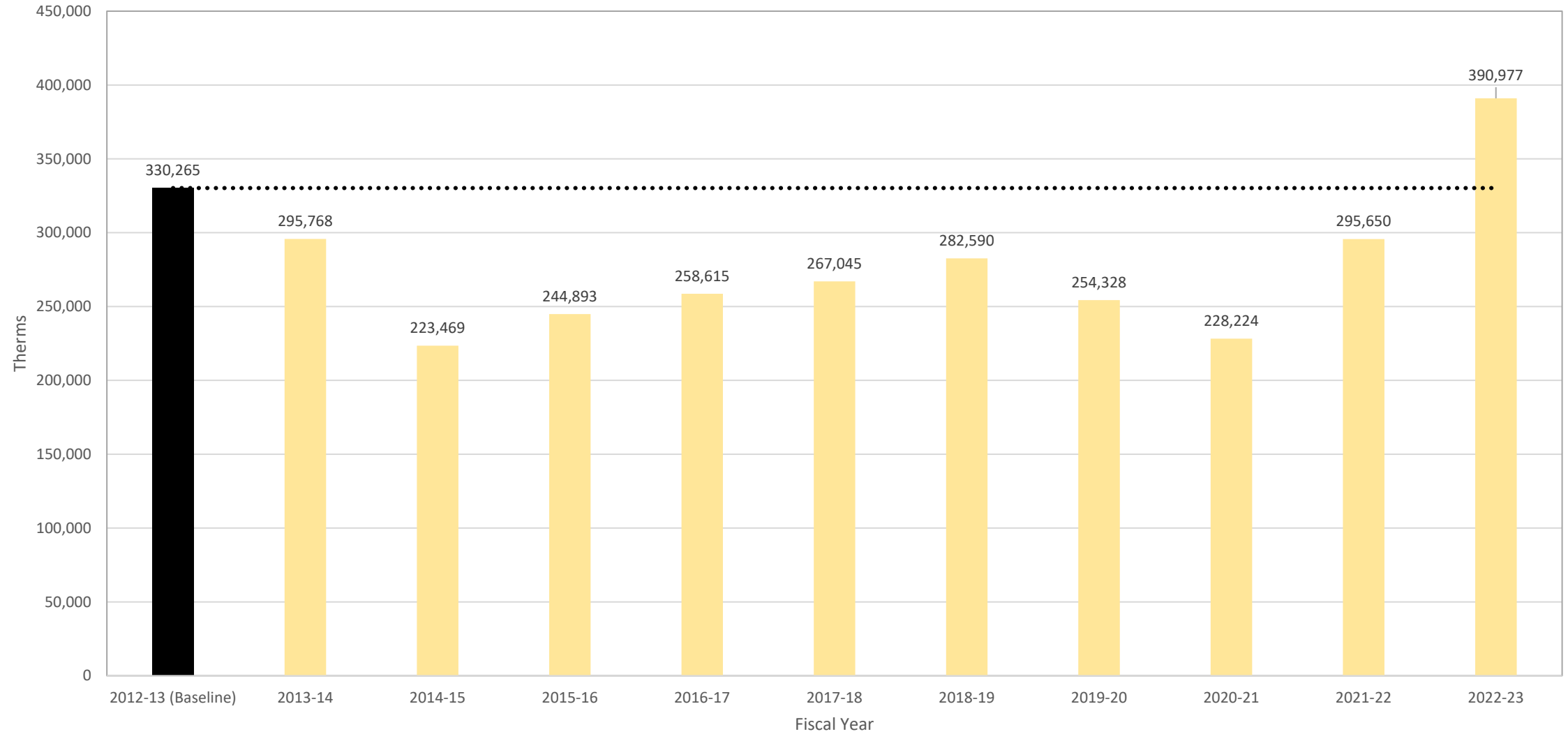
District Sites Water Consumption Fiscal Year 2021-22



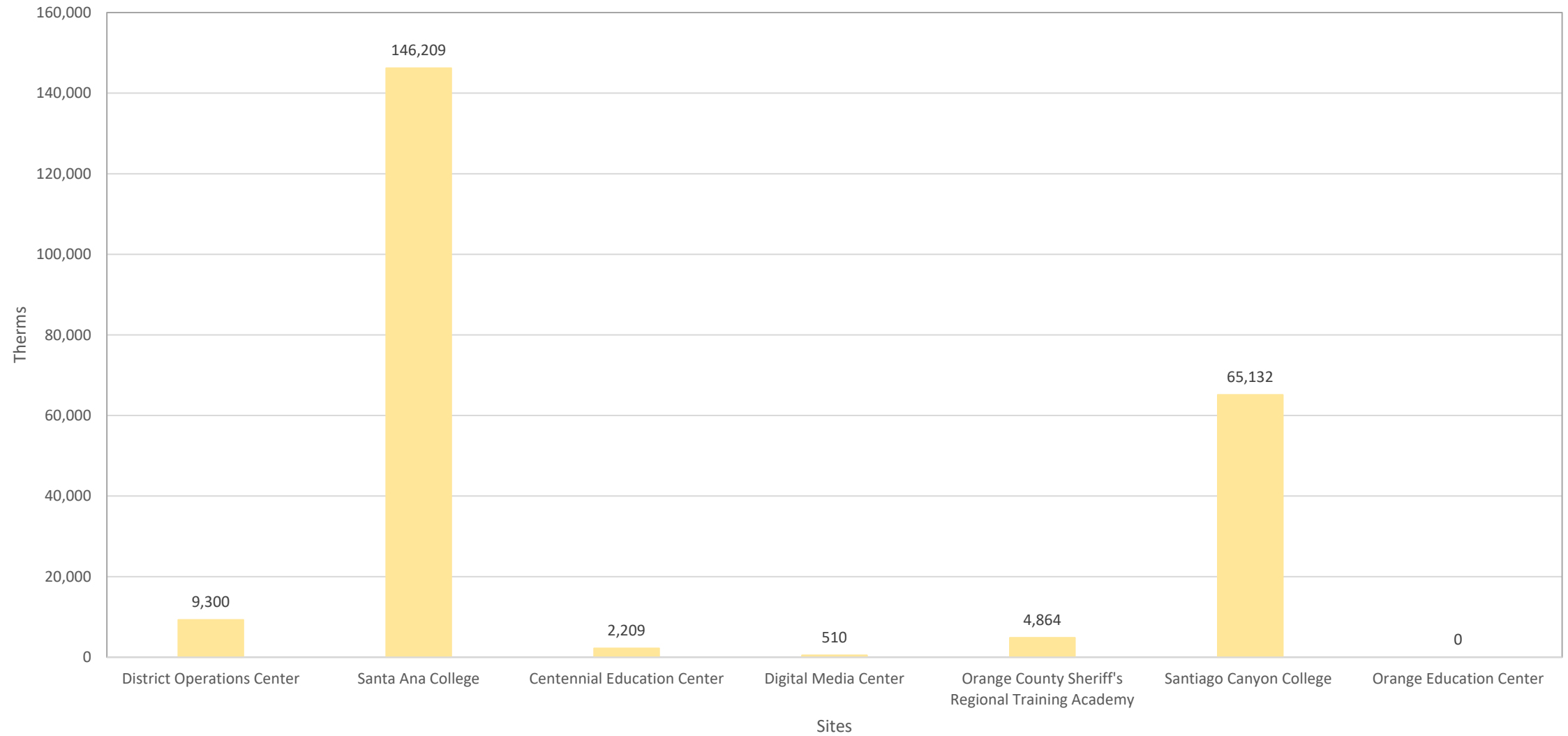
District Sites Water Consumption Fiscal Year 2022-23



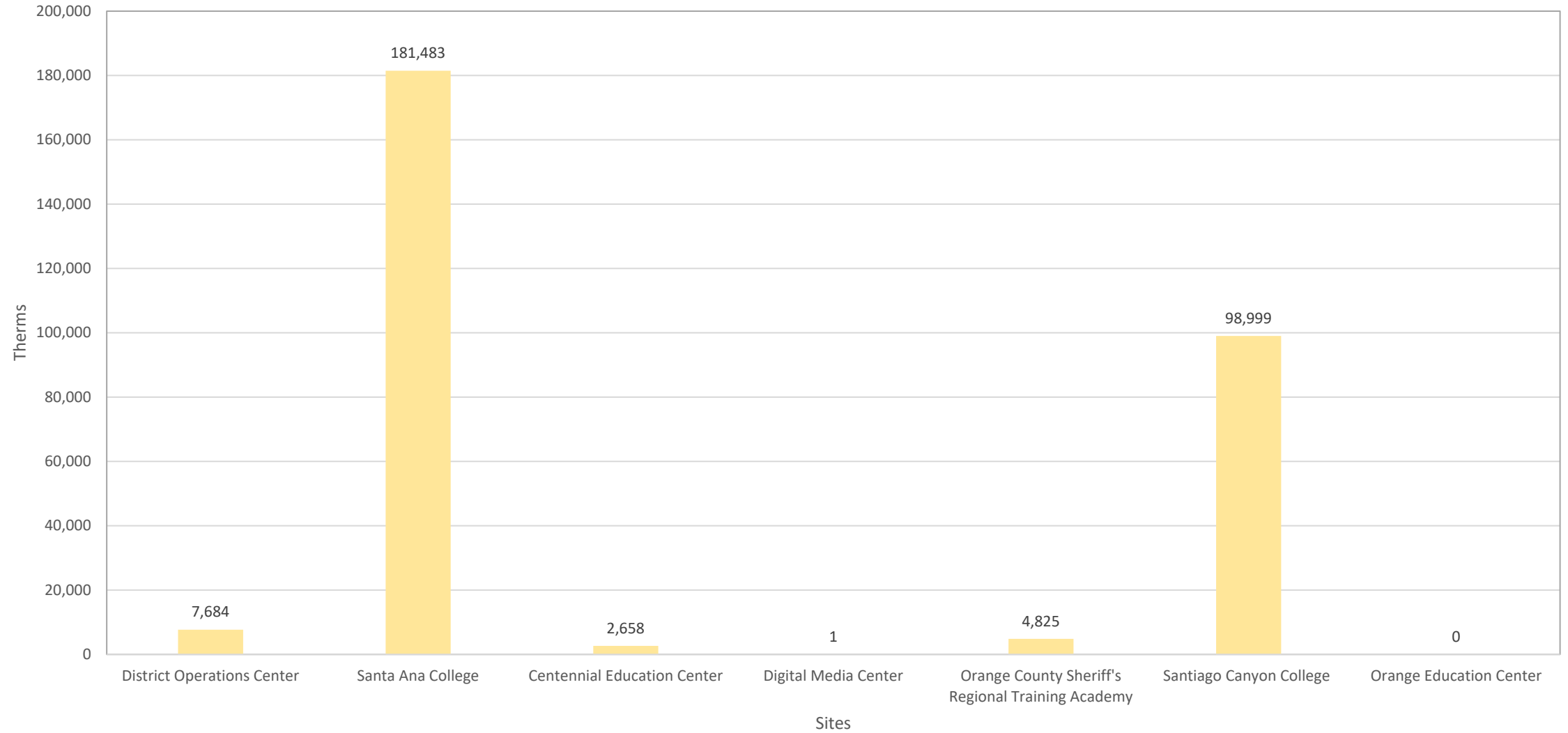
Districtwide Gas Consumption History by Fiscal Year



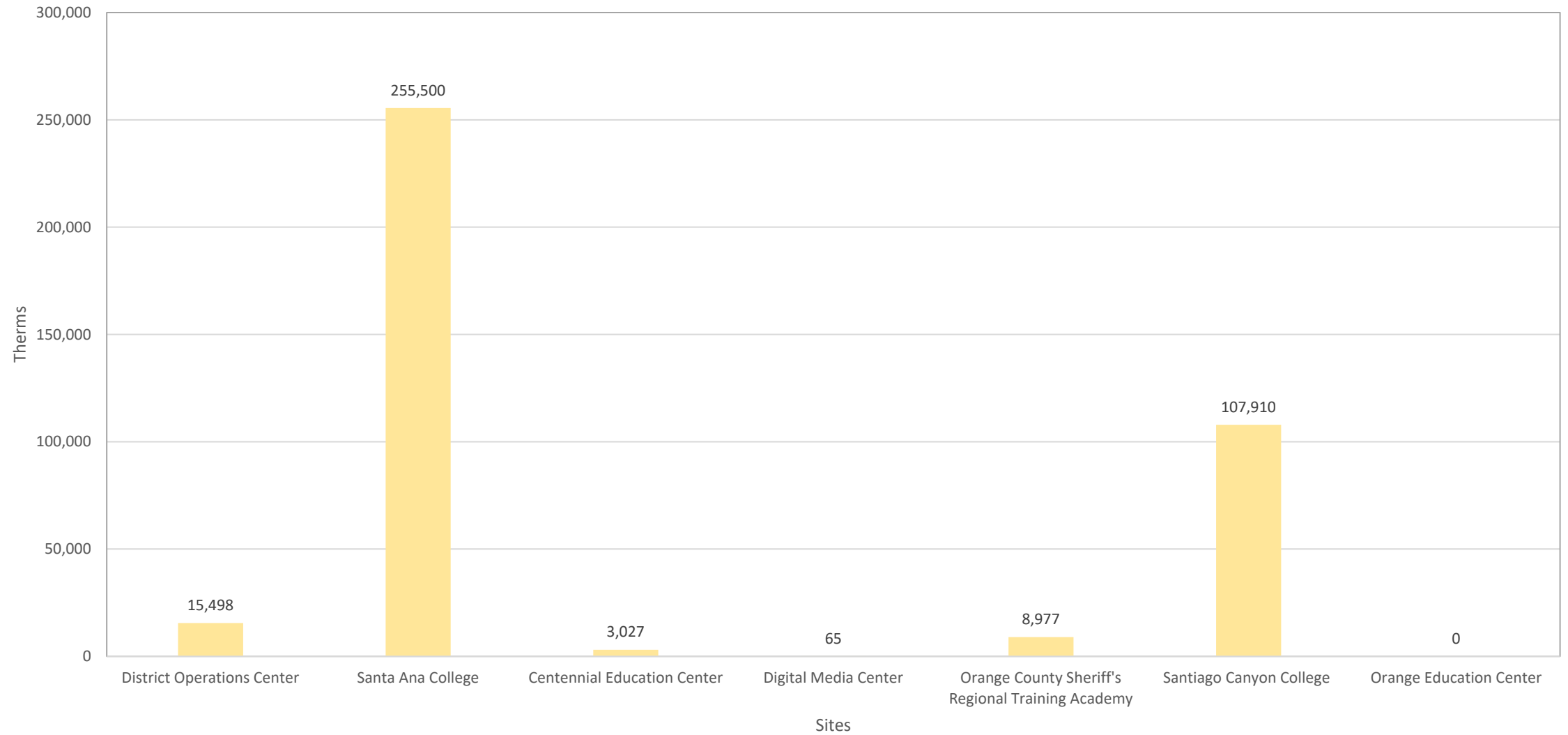
District Sites Natural Gas Consumption Fiscal Year 2020-21



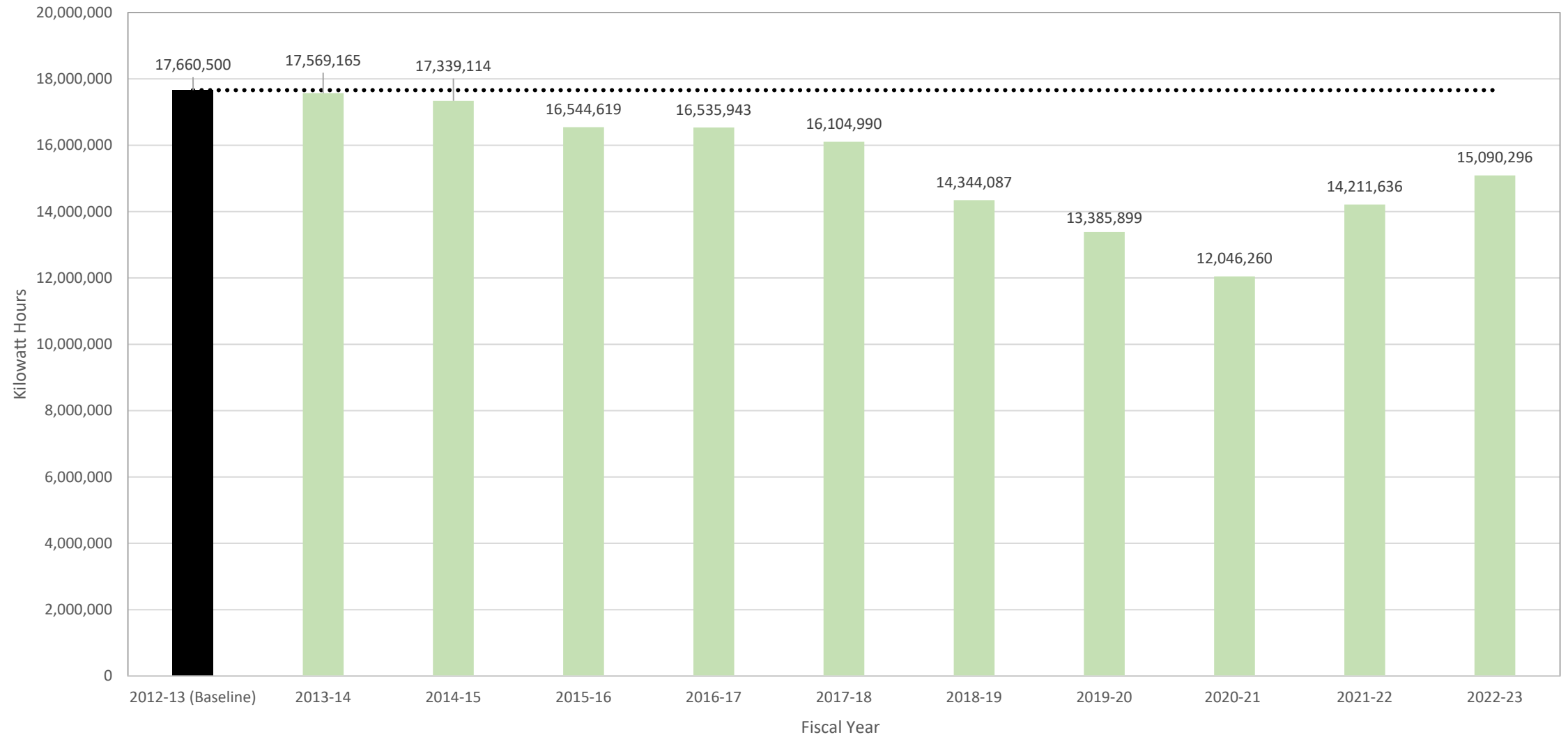
District Sites Natural Gas Consumption Fiscal Year 2021-22



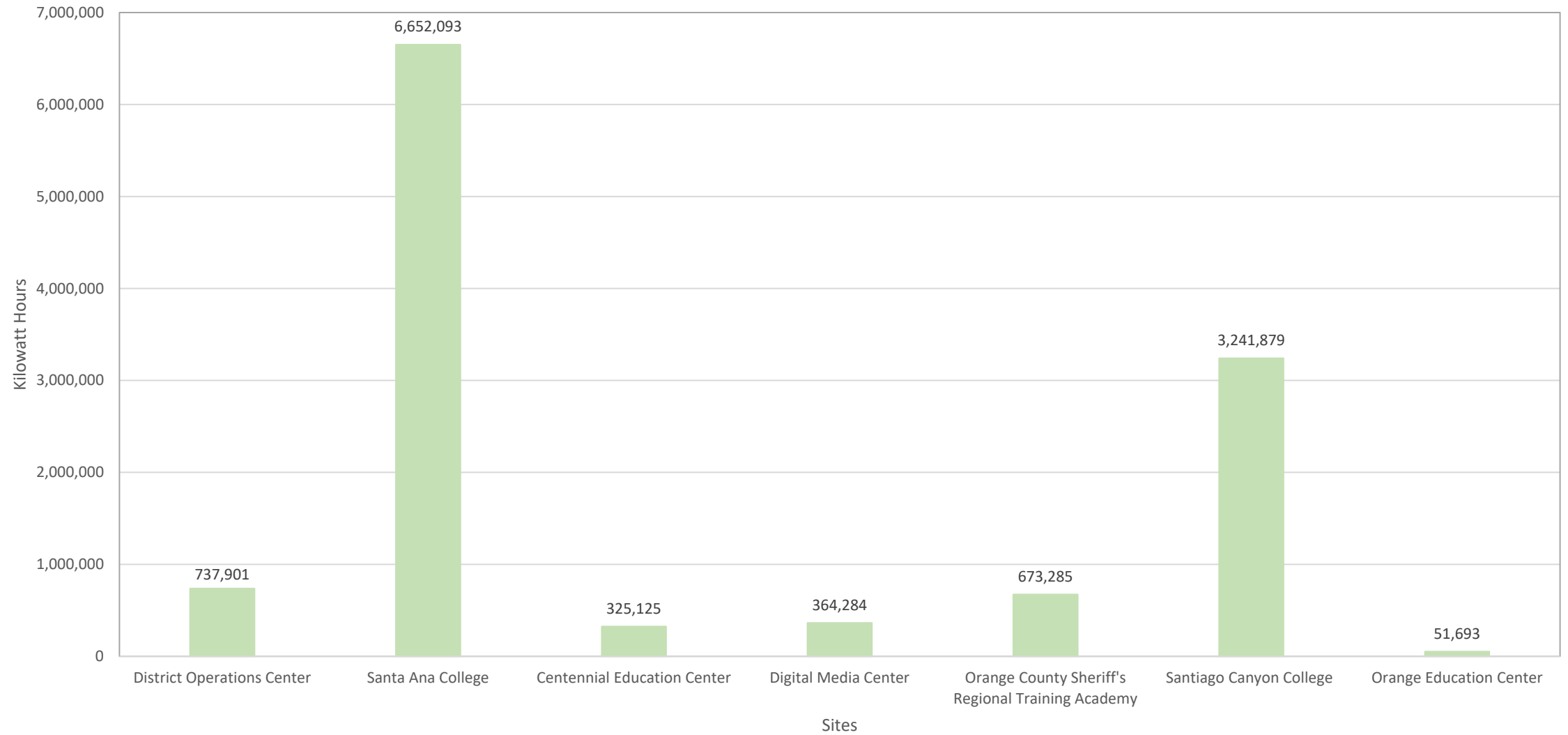
District Sites Natural Gas Consumption Fiscal Year 2022-23



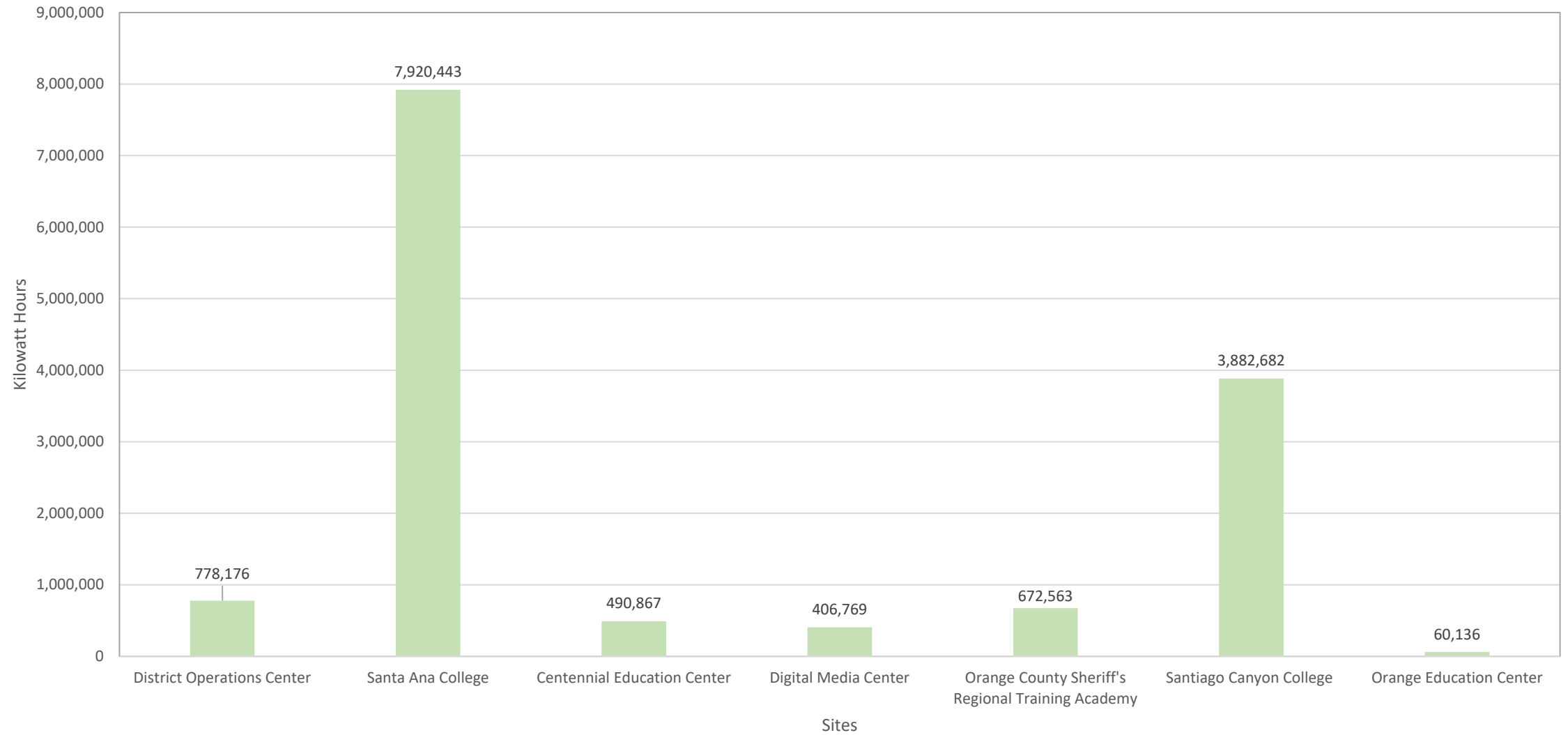
Districtwide Electricity Consumption History by Fiscal Year



District Sites Electricity Consumption Fiscal Year 2020-21



District Sites Electricity Consumption Fiscal Year 2021-22



District Sites Electricity Consumption Fiscal Year 2022-23

