

DSEMC Domestic Water Retrofit Project - Savings Summary by Building

Abbrev.	(SF)	Existing Flow Rates			Current Domestic Usage TOTAL Use (gallons)	Post Retrofit Flow Rates			Post Retrofit TOTAL Use (gallons)	Post Project Savings		NET INSTALL COST	NET INSTALL COST SIMPLE PAYBACK
		GPF Toilet	GPF Urinal	GPM Faucet		GPF Toilet	GPF Urinal	GPM Faucet		TOTAL Yearly Savings (gallons)	TOTAL Yearly Savings (\$\$\$)		
MAIN CAMPUS (CAM)													
ACE	179,436	1.6	1.5	2.5	1,110,744	1.6	1.0	1.75	745,868	140,717	\$1,420	\$3,239	2.28
AHG	52,710	3.5	1.5	2.5	559,030	1.6	1.0	1.75	227,392	274,081	\$2,765	\$9,299	3.36
ANB	5,984	3.5	1.5	2.5	63,465	1.6	1.0	1.75	36,221	31,116	\$314	\$2,161	6.88
ARC	78,330	1.6	1.5	2.5	484,878	1.6	1.0	1.75	332,211	61,428	\$620	\$5,088	8.21
ART	169,144	3.5	1.5	2.5	1,793,903	1.6	1.0	1.75	703,760	879,514	\$8,874	\$13,950	1.57
BAT	56,243	3.5	1.5	2.5	596,500	1.6	1.0	1.75	241,846	292,452	\$2,951	\$7,306	2.48
BEL	386,064	3.5	1.5	2.5	4,094,507	1.6	1.0	1.75	1,591,249	2,007,454	\$20,255	\$57,102	2.82
BEN	41,475	3.5	1.5	2.5	439,874	1.6	1.0	1.75	181,426	215,662	\$2,176	\$7,046	3.24
BIO	70,851	3.5	1.5	2.5	751,430	1.6	1.0	1.75	301,612	368,411	\$3,717	\$4,250	1.14
BMA	108,000	3.5	1.5	2.5	1,145,423	1.6	1.0	1.75	453,601	561,578	\$5,666	\$5,648	1.00
BRB	47,081	3.5	1.5	2.5	499,330	1.6	1.0	1.75	204,362	244,812	\$2,470	\$4,942	2.00
BUR	103,441	3.5	1.5	2.5	1,097,072	1.6	1.0	1.75	434,948	537,872	\$5,427	\$15,010	2.77
BWY	12,000	3.5	1.5	2.5	127,269	1.6	1.0	1.75	60,834	62,398	\$630	\$11,175	17.75
CAL	55,416	3.5	1.5	2.5	587,729	1.6	1.0	1.75	238,463	288,152	\$2,907	\$11,357	3.91
CBA	235,850	3.5	1.5	2.5	2,501,371	1.6	1.0	1.75	976,676	1,226,372	\$12,374	\$43,375	3.51
GSB	147,664	3.5	1.5	2.5	1,566,091	1.6	1.0	1.75	615,879	767,823	\$7,747	costs combined with CBA	
CCJ	36,852	3.5	1.5	2.5	390,844	1.6	1.0	1.75	162,512	191,623	\$1,933	\$4,607	2.38
CDL	67,854	3.5	1.5	2.5	719,644	1.6	1.0	1.75	289,351	352,827	\$3,560	\$1,730	0.49
CEE - old NSA	4,677	3.5	1.5	2.5	49,603	1.6	1.0	1.75	30,873	24,319	\$245	\$268	1.09
CMA	110,449	1.6	1.5	2.5	683,701	1.6	1.0	1.75	463,620	86,616	\$874	\$1,885	2.16
CMB	115,142	3.5	1.5	2.5	1,221,170	1.6	1.0	1.75	482,821	598,715	\$6,041	\$6,766	1.12
COM	15,842	1.6	1.5	2.5	98,065	1.6	1.0	1.75	76,553	12,424	\$125	\$208	1.66
CPE	222,010	3.5	1.5	2.5	2,354,587	1.6	1.0	1.75	920,052	1,154,407	\$11,648	\$26,076	2.24
DFA	89,822	3.5	1.5	2.5	952,632	1.6	1.0	1.75	379,229	467,056	\$4,713	\$12,919	2.74
ECJ	198,145	3.5	1.5	2.5	2,101,481	1.6	1.0	1.75	822,413	1,030,314	\$10,396	\$11,774	1.13
ENS	210,369	3.5	1.5	2.5	2,231,126	1.6	1.0	1.75	872,425	1,093,876	\$11,037	\$9,997	0.91
EPS	48,980	3.5	1.5	2.5	519,471	1.6	1.0	1.75	212,131	254,686	\$2,570	\$5,066	1.97
ETC	224,664	3.5	1.5	2.5	2,382,735	1.6	1.0	1.75	930,910	1,168,207	\$11,787	\$23,289	1.98
FAC	211,142	3.5	1.5	2.5	2,239,324	1.6	1.0	1.75	875,588	1,097,895	\$11,078	\$1,402	0.13
GAR	48,989	3.5	1.5	2.5	519,566	1.6	1.0	1.75	212,168	254,733	\$2,570	\$1,416	0.55
GEA	61,041	3.5	1.5	2.5	647,387	1.6	1.0	1.75	261,477	317,401	\$3,203	\$4,742	1.48
GEB	28,630	3.5	1.5	2.5	303,643	1.6	1.0	1.75	128,873	148,870	\$1,502	\$892	0.59
JGB - old GEO	193,189	3.5	1.5	2.5	2,048,918	1.6	1.0	1.75	802,136	1,004,544	\$10,136	\$17,622	1.74
GOL	89,965	3.5	1.5	2.5	954,148	1.6	1.0	1.75	379,814	467,800	\$4,720	\$9,612	2.04
GRG	31,971	3.5	1.5	2.5	339,077	1.6	1.0	1.75	142,542	166,243	\$1,677	\$2,885	1.72
HRC	236,888	3.5	1.5	2.5	2,512,380	1.6	1.0	1.75	980,923	1,231,769	\$12,429	\$17,170	1.38
HRH	42,451	3.5	1.5	2.5	450,226	1.6	1.0	1.75	185,419	220,737	\$2,227	\$4,624	2.08
IC2	16,600	3.5	1.5	2.5	176,056	1.6	1.0	1.75	79,654	86,317	\$871	\$4,806	5.52
JES	157,270	3.5	1.5	2.5	1,667,970	1.6	1.0	1.75	655,180	817,772	\$8,251	\$14,197	1.72
JHH	22,404	3.5	1.5	2.5	237,612	1.6	1.0	1.75	103,400	116,496	\$1,175	\$4,298	3.66
LAC	61,408	3.5	1.5	2.5	651,279	1.6	1.0	1.75	262,978	319,309	\$3,222	\$6,292	1.95
LBJ	153,656	3.5	1.5	2.5	1,629,640	1.6	1.0	1.75	640,394	798,980	\$8,062	\$7,357	0.91
LTH	5,272	3.5	1.5	2.5	55,914	1.6	1.0	1.75	33,308	27,413	\$277	\$1,096	3.96
MAI	353,521	3.5	1.5	2.5	3,749,363	1.6	1.0	1.75	1,458,105	1,838,237	\$18,548	\$15,067	0.81
MBB	145,982	3.5	1.5	2.5	1,548,252	1.6	1.0	1.75	608,997	759,077	\$7,659	\$7,639	1.00
MEZ	42,562	3.5	1.5	2.5	451,403	1.6	1.0	1.75	185,873	221,314	\$2,233	\$8,562	3.83
MRH	179,000	3.5	1.5	2.5	1,898,433	1.6	1.0	1.75	744,084	930,764	\$9,391	\$19,565	2.08
NMS	162,878	3.5	1.5	2.5	1,727,447	1.6	1.0	1.75	678,124	846,932	\$8,546	\$3,335	0.39

DSEMC Domestic Water Retrofit Project - Savings Summary by Building

Abbrev.	(SF)	Existing Flow Rates			Current Domestic Usage TOTAL Use (gallons)	Post Retrofit Flow Rates			Post Retrofit TOTAL Use (gallons)	Post Project Savings		NET INSTALL COST	NET INSTALL COST SIMPLE PAYBACK
		GPF Toilet	GPF Urinal	GPM Faucet		GPF Toilet	GPF Urinal	GPM Faucet		TOTAL Yearly Savings (gallons)	TOTAL Yearly Savings (\$\$\$)		
NOA	85,936	3.5	1.5	2.5	911,418	1.6	1.0	1.75	363,330	446,850	\$4,509	\$3,039	0.67
NST	82,463	3.5	1.5	2.5	874,584	1.6	1.0	1.75	349,121	428,791	\$4,326	\$2,232	0.52
NUR	101,280	3.5	1.5	2.5	1,074,153	1.6	1.0	1.75	426,107	526,635	\$5,314	\$3,999	0.75
PAC	186,898	3.5	1.5	2.5	1,982,198	1.6	1.0	1.75	776,398	971,832	\$9,806	\$19,015	1.94
PAI	128,409	3.5	1.5	2.5	1,361,877	1.6	1.0	1.75	537,100	667,701	\$6,737	\$3,547	0.53
PAR	57,118	3.5	1.5	2.5	605,780	1.6	1.0	1.75	245,426	297,002	\$2,997	\$10,709	3.57
PAT	152,163	3.5	1.5	2.5	1,613,806	1.6	1.0	1.75	634,286	791,217	\$7,983	\$4,897	0.61
PHR	130,539	3.5	1.5	2.5	1,384,467	1.6	1.0	1.75	545,815	678,776	\$6,849	\$16,123	2.35
PP2	40,790	3.5	1.5	2.5	432,609	1.6	1.0	1.75	178,623	212,100	\$2,140	\$1,594	0.74
PP3	47,590	3.5	1.5	2.5	504,729	1.6	1.0	1.75	206,444	247,458	\$2,497	\$4,136	1.66
PP5	10,404	3.5	1.5	2.5	110,342	1.6	1.0	1.75	54,304	54,099	\$546	\$1,321	2.42
PP6	16,539	3.5	1.5	2.5	175,409	1.6	1.0	1.75	79,405	85,999	\$868	\$1,754	2.02
PP8	20,322	3.5	1.5	2.5	215,530	1.6	1.0	1.75	94,882	105,670	\$1,066	\$749	0.70
PPB	86,765	3.5	1.5	2.5	920,210	1.6	1.0	1.75	366,722	451,160	\$4,552	\$4,337	0.95
RLM	361,144	3.5	1.5	2.5	3,830,211	1.6	1.0	1.75	1,489,293	1,877,875	\$18,948	\$40,201	2.12
SEA	189,000	3.5	1.5	2.5	2,004,491	1.6	1.0	1.75	784,998	982,762	\$9,916	\$12,937	1.30
SER	130,476	3.5	1.5	2.5	1,383,799	1.6	1.0	1.75	545,557	678,449	\$6,846	\$9,032	1.32
SRH	291,542	3.5	1.5	2.5	3,092,028	1.6	1.0	1.75	1,204,529	1,515,959	\$15,296	\$10,632	0.70
SSB	177,300	3.5	1.5	2.5	1,880,403	1.6	1.0	1.75	737,129	921,924	\$9,302	\$5,926	0.64
SSW	93,050	3.5	1.5	2.5	986,867	1.6	1.0	1.75	392,436	483,841	\$4,882	\$12,185	2.50
SUT	57,045	3.5	1.5	2.5	605,006	1.6	1.0	1.75	245,128	296,622	\$2,993	\$7,099	2.37
SZB	261,131	3.5	1.5	2.5	2,769,496	1.6	1.0	1.75	1,080,108	1,357,828	\$13,700	\$5,398	0.39
TCC	52,925	3.5	1.5	2.5	561,310	1.6	1.0	1.75	228,271	275,199	\$2,777	\$7,429	2.68
TMM	31,965	3.5	1.5	2.5	339,013	1.6	1.0	1.75	142,517	166,211	\$1,677	\$2,059	1.23
TNH	171,817	3.5	1.5	2.5	1,822,252	1.6	1.0	1.75	714,696	893,413	\$9,015	\$11,701	1.30
TSC	121,827	3.5	1.5	2.5	1,292,069	1.6	1.0	1.75	510,171	633,476	\$6,392	\$10,759	1.68
UA9	31,631	3.5	1.5	2.5	335,471	1.6	1.0	1.75	141,151	164,475	\$1,660	\$4,044	2.44
UPB	21,901	3.5	1.5	2.5	232,277	1.6	1.0	1.75	101,342	113,881	\$1,149	\$4,280	3.72
UTC	159,508	3.5	1.5	2.5	1,691,705	1.6	1.0	1.75	664,336	829,409	\$8,369	\$23,200	2.77
WAG	57,598	3.5	1.5	2.5	610,871	1.6	1.0	1.75	247,390	299,498	\$3,022	\$9,417	3.12
WCH	48,905	3.5	1.5	2.5	518,675	1.6	1.0	1.75	211,824	254,296	\$2,566	\$2,944	1.15
WEL	439,550	3.5	1.5	2.5	4,661,767	1.6	1.0	1.75	1,810,077	2,285,571	\$23,061	\$11,700	0.51
WIN	128,000	3.5	1.5	2.5	1,357,539	1.6	1.0	1.75	535,427	665,574	\$6,716	\$7,688	1.14
WMB	40,986	3.5	1.5	2.5	434,688	1.6	1.0	1.75	179,425	213,119	\$2,150	\$5,597	2.60
WOH	28,323	3.5	1.5	2.5	300,387	1.6	1.0	1.75	127,617	147,274	\$1,486	\$5,423	3.65
					82,506,835 26,041,126 108,547,962				39,341,367 986,026 40,327,393	36,885,209 11,419,250 48,304,459	372,172 115,220 \$487,392	\$745,215	1.53
J.J. PICKLE RESEARCH CAMPUS (PRC)													
A01	28,893	3.5	1.5	2.5	306,433	1.6	1.0	1.75	129,949	150,238	\$1,516	\$1,669	1.10
A02	12,522	3.5	1.5	2.5	132,805	1.6	1.0	1.75	62,970	65,112	\$657	\$1,216	1.85
A03	6,900	3.5	1.5	2.5	73,180	1.6	1.0	1.75	39,968	35,879	\$362	\$122	0.34
A11	10,900	3.5	1.5	2.5	67,473	1.6	1.0	1.75	56,334	8,548	\$86	\$181	2.10
A17	22,443	3.5	1.5	2.5	238,025	1.6	1.0	1.75	103,560	116,699	\$1,177	\$2,462	2.09
AM1	6,300	3.5	1.5	2.5	66,816	1.6	1.0	1.75	37,514	32,759	\$331	\$972	2.94
AM2	10,800	3.5	1.5	2.5	114,542	1.6	1.0	1.75	55,925	56,158	\$567	\$1,192	2.10
ARL	96,996	3.5	1.5	2.5	1,028,717	1.6	1.0	1.75	408,580	504,359	\$5,089	\$9,203	1.81

DSEMC Domestic Water Retrofit Project - Savings Summary by Building

Abbrev.	(SF)	Existing Flow Rates			Current Domestic Usage TOTAL Use (gallons)	Post Retrofit Flow Rates			Post Retrofit TOTAL Use (gallons)	Post Project Savings		NET INSTALL COST	NET INSTALL COST SIMPLE PAYBACK
		GPF Toilet	GPF Urinal	GPM Faucet		GPF Toilet	GPF Urinal	GPM Faucet		TOTAL Yearly Savings (gallons)	TOTAL Yearly Savings (\$\$\$)		
ASR	5,166	3.5	1.5	2.5	54,789	1.6	1.0	1.75	32,874	26,862	\$271	\$563	2.08
BE1	46,248	3.5	1.5	2.5	490,496	1.6	1.0	1.75	200,954	240,480	\$2,426	\$3,407	1.40
BE2	96,024	3.5	1.5	2.5	1,018,409	1.6	1.0	1.75	404,603	499,305	\$5,038	\$661	0.13
BEG	151,216	3.5	1.5	2.5	1,603,762	1.6	1.0	1.75	630,411	786,292	\$7,934	\$15,215	1.92
CMR	12,816	3.5	1.5	2.5	135,924	1.6	1.0	1.75	64,173	66,641	\$672	\$1,244	1.85
CP1	16,183	3.5	1.5	2.5	171,633	1.6	1.0	1.75	77,948	84,148	\$849	\$646	0.76
CW1	24,497	1.6	1.5	2.5	151,641	1.6	1.0	1.75	111,963	19,211	\$194	\$128	0.66
CWR	8,868	3.5	1.5	2.5	94,052	1.6	1.0	1.75	48,020	46,112	\$465	\$2,131	4.58
EER	15,386	3.5	1.5	2.5	163,180	1.6	1.0	1.75	74,687	80,004	\$807	\$1,891	2.34
EME	148,712	3.5	1.5	2.5	1,577,206	1.6	1.0	1.75	620,167	773,272	\$7,802	\$9,173	1.18
FS1	8,160	3.5	1.5	2.5	86,543	1.6	1.0	1.75	45,124	42,430	\$428	\$1,280	2.99
FSL	49,528	3.5	1.5	2.5	525,283	1.6	1.0	1.75	214,373	257,536	\$2,599	\$1,738	0.67
IRC	9,109	3.5	1.5	2.5	96,608	1.6	1.0	1.75	49,006	47,365	\$478	\$241	0.50
LSF	35,595	3.5	1.5	2.5	377,512	1.6	1.0	1.75	157,369	185,087	\$1,868	\$963	0.52
MCC	216,446	3.5	1.5	2.5	2,295,577	1.6	1.0	1.75	897,288	1,125,475	\$11,356	\$14,866	1.31
MER	131,100	3.5	1.5	2.5	1,390,417	1.6	1.0	1.75	548,110	681,693	\$6,878	\$9,983	1.45
NEL	22,430	3.5	1.5	2.5	237,887	1.6	1.0	1.75	103,507	116,631	\$1,177	\$3,278	2.79
PE1	5,941	3.5	1.5	2.5	63,009	1.6	1.0	1.75	36,045	30,892	\$312	\$769	2.47
P15	5,989	3.5	1.5	2.5	63,518	1.6	1.0	1.75	36,241	31,142	\$314	\$1,027	3.27
P19	5,138	3.5	1.5	2.5	54,492	1.6	1.0	1.75	32,760	26,717	\$270	\$618	2.29
P25	10,815	3.5	1.5	2.5	114,701	1.6	1.0	1.75	55,986	56,236	\$567	\$713	1.26
P30	40,640	3.5	1.5	2.5	431,019	1.6	1.0	1.75	178,010	211,320	\$2,132	\$122	0.06
P33	37,760	3.5	1.5	2.5	400,474	1.6	1.0	1.75	166,227	196,344	\$1,981	\$595	0.30
P45	52,100	3.5	1.5	2.5	552,561	1.6	1.0	1.75	224,896	270,909	\$2,733	\$582	0.21
PX3	13,148	3.5	1.5	2.5	139,445	1.6	1.0	1.75	65,531	68,367	\$690	\$831	1.20
ROC	94,551	3.5	1.5	2.5	1,002,786	1.6	1.0	1.75	398,577	491,646	\$4,961	\$2,313	0.47
SV1	30,980	3.5	1.5	2.5	328,567	1.6	1.0	1.75	138,487	161,090	\$1,625	\$3,023	1.86
TAR	36,082	3.5	1.5	2.5	382,677	1.6	1.0	1.75	159,361	187,619	\$1,893	\$1,135	0.60
TCB	79,680	3.5	1.5	2.5	845,068	1.6	1.0	1.75	337,735	414,320	\$4,180	\$12,248	2.93
TM1	3,834	3.5	1.5	2.5	40,663	1.6	1.0	1.75	27,425	19,936	\$201	\$556	2.76
TM2	14,244	3.5	1.5	2.5	151,069	1.6	1.0	1.75	70,015	74,066	\$747	\$973	1.30
VPL	24,392	3.5	1.5	2.5	258,696	1.6	1.0	1.75	111,534	126,833	\$1,280	\$1,096	0.86
					12,238,496 3,861,415 16,099,911				6,744,669 469,536 7,214,205	6,427,237 1,988,496 8,415,733	\$64,851 \$20,003 \$84,915	\$111,026	1.31
Domestic Water Project TOTALS					94,745,331 29,902,541 124,647,872				46,086,036 1,455,562 47,541,597	43,312,446 13,407,746 56,720,192	\$437,023 \$135,224 \$572,307	\$856,241	1.50