Measure Description	High Efficiency Product	t Assumptions		Baseline	e Product Assump	otions		E	conomic Assum	ptions					Stipulated (	utput				Economic Assump	otions Te	schnical sumption	2017	7	201	18					20	017				2018		
Electric Measure Description	Efficient Product Description / Rating	Efficient Product Consumption (watts)	Efficient Hours of Operation (hrs/yr)	Baseline Product Description / Rating	Baseline Product Consumption (watts)	Baseline Hours of Operation (hrs/yr)	Measure Lifetime (years)	Rebate Amount (\$)	Average Baseline Product Cost (\$)	Incremental Cost of Efficient Product (\$)	Assumed Energy Cost (\$/kWh)	Rebate as a % of incremental Cost (%)	Payback Period w/o Rebate (yrs)	Payback Period w/ Rebate (yrs)	Annual customer kWh Savings (kWh/yr)	bated Cost / Cust kWh ved (\$/kWh)	Rebated Lifetime cost /Cust KWh laved (\$/kWh)	Customer kW Savings (kW)	Generator Peak kW Savings (kW)	Non-Energy O&M Savings (\$)	gy O&M Coir ings (\$) Fac	ncidence ctor (%)	7 Participants (-)	2017 Units (-)	2018 Participants (-)	2018 Units (-)	NTG (%)	Installation Rate (%)	Realization 20 Rate (%)	17 NET Gen kW (kW)	7 NET Gen kWh 2i (kWh)	017 Rebate Budget (\$)	2017 Incremental Costs (\$)	2018 NET Gen kW (kW)	018 NET Gen kWh (kWh)	2018 Rebate Budget (\$)	2018 Incremental Costs (\$)	Measure Load Shape
Data Center Efficiency Study <= 5000 sq ft Data Center Efficiency Study > 5000 sq ft	Data Center Efficiency Study <= 5000 sq ft  Data Center Efficiency Study >= 5000 sq ft							\$16,301 \$40,289		\$21,735 \$53,718	#DIV/0! #DIV/0!	75% 75%	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	0	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	0.00	0.00				3	3	3	3	100% 100%				7,316,305 0 0	\$1,070,468 \$48,904 \$161,155	\$3,457,980 \$65,206 \$214,873	0 0	8,322,061 0 0	\$1,108,431 \$48,904 \$161,155	\$3,776,235 \$65,206 \$214,873	
Data Center Custom Project - Study Identified	Data Center Custom Measures - Study Identified - Historical Averages from past custom projects	832,687	7,932	Historical Average from past custom	941,262	7,932	15.00	\$13,713	\$0	\$245,187	0.0582	6%	2.305	2.176	861,253	\$0.016	\$0.001	108.58	89.44	\$56,217.00 \$	0.00	77%	2	1	2	2	100%	100%	100%	89	921,127	\$13,713	\$245,187	179	1,842,253	\$27,426	\$490,374	CO-BUS-FLAT
Data Center Bundled Project - Study Identified	Data Center Bundled Projects - Study Identified - Multiple Energy Conservation Measures Implemented	804,958	7,481	Center Facility or New Facility with	941,262	7,481	15.00	\$48,510	\$0	\$714,050	0.0595	7%	5.803	5.409	1,019,718	\$0.048	\$0.003	136.30	124.33	\$62,388.43	0.00	85%	1	1	1	1	100%	100%	100%	124	1,090,608	\$48,510	\$714,050	124	1,090,608	\$48,510	\$714,050	CO-BUS-FLAT
Data Center Prescriptive Project- Study Identified	Data Center Prescriptive Measures - Study Identified - Historical Averages from past Prescriptive projects	0	5,141	from past Prescriptive	28,348	5,141	18.00	\$31,566	\$0	\$82,799	0.0695	38%	8.173	5.057	145,737	\$0.217	\$0.012	28.35	24.96	\$0.00 \$	0.00	82%	2	3	2	3	100%	100%	100%	75	467,606	\$94,697	\$248,398	75	467,606	\$94,697	\$248,398	CO-BUS-FLAT
Data Center Custom Project - Site Visit Identified	Data Center Custom Measures - Site Visit Identified	327,299	8,285	Historical Average: from past custom	445,883	8,285	12.00	\$50,032	\$186,350	\$179,244	0.0573	28%	3.036	2.188	982,509	\$0.051	\$0.004	118.58	84.53	\$2,705.60 \$	0.00	67%	3	3	3	3	80%	100%	100%	203	2,521,949	\$150,095	\$537,731	203	2,521,949	\$150,095	\$537,731	CO-BUS-FLAT
Data Center Custom Project - Customer Identified	Data Center Custom Measures - Customer Identified	327,299	8,285	Historical Average from past custom projects		8,285	12	\$50,032	\$186,350	\$179,244	0.0573	28%	3.036	2.188	982,509	\$0.051	\$0.004	118.58	84.53	\$2,705.60 \$	0.00	67%	3	1	3	1	45%	100%	100%	38	472,866	\$50,032	\$179,244	38	472,866	\$50,032	\$179,244	CO-BUS-FLAT
Data Center Prescriptive Project - Site Visit Identified	Data Center Prescriptive Measures - Site Visit Identified	0	5,141	from past Prescriptive	28,348	5,141	18.00	\$31,566	\$0	\$82,799	0.0695	38%	8.173	5.057	145,737	\$0.217	\$0.012	28.35	24.96	\$0.00 \$	0.00	82%	2	2	2	2	79%	100%	100%	39	245,486	\$63,131	\$165,599	39	245,486	\$63,131	\$165,599	CO-BUS-FLAT
Data Center Prescriptive Project - Customer Identified	Data Center Prescriptive Measures - Customer Identified	0	5,141	Historical Average from past Prescriptive	28,348	5,141	18	\$31,566	\$0	\$82,799	0.0695	38%	8.173	5.057	145,737	\$0.217	\$0.012	28.35	24.96	\$0.00	0.00	82%	2	2	2	2	79%	100%	100%	39	245,486	\$63,131	\$165,599	39	245,486	\$63,131	\$165,599	CO-BUS-FLAT
Plate & Frame Heat Exchangers - Study Identified	Install plate & frame heat exchanger to allow cooling tower to meet cooling load	32,117	8,760	Chiller-based cooling	50,056	8,760	20.00	\$28,267	\$0	\$65,571	0.0563	43%	7.417	4.219	157,139	\$0.180	\$0.009	17.94	0.00	\$0.00 \$	0.00	0%	0	0	0	0	100%	100%	100%	0	0	\$0	\$0	0	0	\$0	\$0	CO-BUS-COOL_OUT
Plate & Frame Heat Exchangers - Site Visit Identified	Install plate & frame heat exchanger to allow cooling tower to meet cooling load	32,117	8,760	Chiller-based cooling	50,056	8,760	20	\$28,267	\$0	\$65,571	0.0563	43%	7.417	4.219	157,139	\$0.180	\$0.009	17.94	0.00	\$0.00	0.00	0%	0	0	0	0	80%	100%	100%	0	0	\$0	\$0	0	0	\$0	\$0	CO-BUS-COOL_OUT
Plate & Frame Heat Exchangers - Customer Identified	Install plate & frame heat exchanger to allow cooling tower to meet cooling load	32,117	8,760	Chiller-based cooling	50,056	8,760	20	\$28,267	\$0	\$65,571	0.0563	43%	7.417	4.219	157,139	\$0.180	\$0.009	17.94	0.00	\$0.00	0.00	0%	9	6	9	6	45%	100%	100%	0	453,771	\$169,600	\$393,423	0	453,771	\$169,600	\$393,423	CO-BUS-COOL_OUT
EC Plug Fans – In Unit – Retrofit - Study Identified	EC Plug Fan	2,151	8,760	Forward-curved Centrifugal Fan with AC motor	2,708	8,671	10.00	\$1,200	\$0	\$2,925	0.0572	41%	11.036	6.508	4,630	\$0.259	\$0.026	0.56	0.59	\$0.00 \$	0.00	100%	5	14	5	16	100%	100%	100%	8	69,333	\$16,800	\$40,952	10	79,238	\$19,200	\$46,803	CO-BUS-FLAT
EC Plug Fans – In Unit – Retrofit - Site Visit Identified	EC Plug Fan	2,151	8,760	Forward-curved Centrifugal Fan with AC motor	2708	8671	10	\$1,200	\$0	\$2,925	0.0572	41%	11.036	6.508	4,630	\$0.259	\$0.026	0.56	0.59	\$0.00 \$	0.00	100%	5	24	5	28	80%	100%	100%	11	95,085	\$28,800	\$70,204	13	110,933	\$33,600	\$81,905	CO-BUS-FLAT
EC Plug Fans – In Unit – Retrofit - Customer Identified	EC Plug Fan	2,151	8,760	Forward-curved Centrifugal Fan with AC motor	2708	8671	10	\$1,200	\$0	\$2,925	0.0572	41%	11.036	6.508	4,630	\$0.259	\$0.026	0.56	0.59	\$0.00 \$	0.00	100%	5	32	5	36	45%	100%	100%	9	71,314	\$38,400	\$93,606	10	80,228	\$43,200	\$105,306	CO-BUS-FLAT
EC Plug Fans – Below Floor – Retrofit - Study Identified	EC Plug Fan	1,867	8,760	Forward-curved Centrifugal Fan with AC motor	2,789	8,617	10.00	\$1,200	\$0	\$2,925	0.0572	41%	6.658	3.927	7,675	\$0.156	\$0.016	0.92	0.99	\$0.00 \$	0.00	100%	5	14	5	16	100%	100%	100%	14	114,921	\$16,800	\$40,952	16	131,338	\$19,200	\$46,803	CO-BUS-FLAT
EC Plug Fans – Below Floor – Retrofit - Site Visit Identified	EC Plug Fan	1,867	8,760	Forward-curved Centrifugal Fan with AC motor	2,789	8,617	10	\$1,200	\$0	\$2,925	0.0572	41%	6.658	3.927	7,675	\$0.156	\$0.016	0.92	0.99	\$0.00 \$	0.00	100%	5	24	5	28	80%	100%	100%	19	157,605	\$28,800	\$70,204	22	183,873	\$33,600	\$81,905	CO-BUS-FLAT
EC Plug Fans – Below Floor – Retrofit - Customer Identified	EC Plug Fan	1,867	8,760	Forward-curved Centrifugal Fan with AC motor	2,789	8,617	10	\$1,200	\$0	\$2,925	0.0572	41%	6.658	3.927	7,675	\$0.156	\$0.016	0.92	0.99	\$0.00	0.00	100%	5	32	5	36	45%	100%	100%	14	118,204	\$38,400	\$93,606	16	132,980	\$43,200	\$105,306	CO-BUS-FLAT
EC Plug Fans – In Unit – New Construction - Study Identified	EC Plug Fan	2,151	8,760	Forward-curved Centrifugal Fan with AC motor	2,715	8,679	20.00	\$700	\$0	\$1,700	0.0571	41%	6.310	3.712	4,715	\$0.148	\$0.007	0.56	0.60	\$0.00 \$	0.00	100%	3	4	3	6	100%	100%	100%	2	20,170	\$2,800	\$6,800	4	30,255	\$4,200	\$10,200	CO-BUS-FLAT
EC Plug Fans – In Unit – New Construction - Site Visit Identified	EC Plug Fan	2,151	8,760	Forward-curved Centrifugal Fan with AC motor	2,715	8,679	20	\$700	\$0	\$1,700	0.0571	41%	6.310	3.712	4,715	\$0.148	\$0.007	0.56	0.60	\$0.00	0.00	100%	3	7	3	10	80%	100%	100%	3	28,238	\$4,900	\$11,900	5	40,340	\$7,000	\$17,000	CO-BUS-FLAT
EC Plug Fans - In Unit - New Construction - Customer Identified	EC Plug Fan	2,151	8,760	Forward-curved Centrifugal Fan with AC motor	2,715	8,679	20	\$700	\$0	\$1,700	0.0571	41%	6.310	3.712	4,715	\$0.148	\$0.007	0.56	0.60	\$0.00	0.00	100%	3	9	3	14	45%	100%	100%	2	20,422	\$6,300	\$15,300	4	31,768	\$9,800	\$23,800	CO-BUS-FLAT
EC Plug Fans – Below Floor – New Construction - Study Identified	EC Plug Fan	1,867	8,760	Forward-curved Centrifugal Fan with AC motor	2,786	8,642	20.00	\$700	\$0	\$1,700	0.0571	41%	3.860	2.271	7,717	\$0.091	\$0.005	0.92	0.98	\$0.00 \$	0.00	100%	2	1	2	4	100%	100%	100%	1	8,253	\$700	\$1,700	4	33,012	\$2,800	\$6,800	CO-BUS-FLAT
EC Plug Fans – Below Floor – New Construction - Site Visit Identified	EC Plug Fan	1,867	8,760	Forward-curved Centrifugal Fan with AC motor	2,786	8,642	20	\$700	\$0	\$1,700	0.0571	41%	3.860	2.271	7,717	\$0.091	\$0.005	0.92	0.98	\$0.00	0.00	100%	2	4	2	7	80%	100%	100%	3	26,410	\$2,800	\$6,800	6	46,217	\$4,900	\$11,900	CO-BUS-FLAT
EC Plug Fans – Below Floor – New Construction - Customer Identified	EC Plug Fan	1,867	8,760	Forward-curved Centrifugal Fan with AC motor	2,786	8,642	20	\$700	\$0	\$1,700	0.0571	41%	3.860	2.271	7,717	\$0.091	\$0.005	0.92	0.98	\$0.00	0.00	100%	2	5	2	9	45%	100%	100%	2	18,569	\$3,500	\$8,500	4	33,425	\$6,300	\$15,300	CO-BUS-FLAT
Data Center New Construction	Highly efficient data center	3,600,000	8,760	Standard efficiency new data center	4,000,000	8,760	20.00	\$191,775	\$0	\$639,251	0.0563	30%	3.243	2.270	3,504,000	\$0.055	\$0.003	400.00	347.06	\$0.00	0.00	81%	0	0	0	0	100%	100%	100%	0	0	\$0	\$0	0	0	\$0	\$0	CO-BUS-FLAT
Zero & Thin Client Installations	thin-client or zero-client device replaces desktop CPU (VM Ware w/ Wyse thin-client system, Pano-Logic zero-client system);	13.11	7,424	Desktop computer meeting ENERGY STAR 3.0 specifications	28.40	7,424	10	\$10	\$600	\$117	0.074	9%	3.03	2.77	114	\$0.088	\$0.009	0.015	0.02	\$30.50 -\$	0.27	100%	5	100	10	400	88%	100%	100%	1	10,686	\$1,000	\$11,681	6	42,746	\$4,000	\$46,724	MN-BUS-LITE_CI_
Computer Server; with 400-600W Units with Titanium Rated Power Supply	Titanium Power Supply	165	8,760	Platinum Power Supply	172	8,740	5.00	\$5	\$120	\$32.38	0.059	15%	9.91	8.38	55	\$0.090	\$0.018	0.007	0.01	\$0.00 \$	0.00	100%	50	500	1	10	88%	100%	100%	3	26,075	\$2,500	\$16,190	0	521	\$50	\$324	CO-BUS-FLAT
Computer Server; with 600-1000W Units with Titanium Rated Power Supply	Titanium Power Supply	248	8,760	Platinum Power Supply	258	8,740	5.00	\$10	\$140	\$37.63	0.059	27%	7.68	5.64	83	\$0.120	\$0.024	0.010	0.01	\$0.00 \$	0.00	100%	50	500	1	10	88%	100%	100%	5	39,112	\$5,000	\$18,815	0	782	\$100	\$376	CO-BUS-FLAT
Computer Server; with >1000W Units with Titanium Rated Power Supply	Titanium Power Supply	463	8,760	Platinum Power Supply	482	8,740	5.00	\$20	\$170	\$42.88	0.059	47%	4.69	2.50	155	\$0.129	\$0.026	0.019	0.02	\$0.00 \$	0.00	100%	50	500	3	30	88%	100%	100%	9	73,010	\$10,000	\$21,440	1	4,381	\$600	\$1,286	CO-BUS-FLAT