

Measure Description		High Efficiency Product Assumptions			Electric Product Detailed Technical Assumptions										Economic Assumptions										Stipulated Output										Economic Assumptions				Incremental Assumptions	Program Forecast Inputs				2025			Stipulated Forecast Inputs			Program Forecast Outputs						
Electric Product Measure	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 (%)	Incremental Cost Payback Period w/o Rebate (yrs)	Incremental Cost Payback Period w/ Rebate (yrs)	Annual Customer kWh Savings (kWh/yr)	Rebated Cost / kWh Saved (\$/kWh)	Rebated Lifetime Cost / kWh Saved (\$/kWh)	Customer kW Savings (kW)	Generator Peak kW Savings (kW)	Non-Energy O&M Savings (\$)	Energy O&M Savings (\$)	Coincidence Factor (%)	2019		2020		2025		NTG (%)	Installation Rate (%)	Realization Rate (%)	2019 NET Gen kW (kW)	2019 NET Gen kWh (kWh)	2019 Rebate Budget (\$)	2019 Incremental Costs (\$)	2020 NET Gen kW (kW)	2020 NET Gen kWh (kWh)	2020 Rebate Budget (\$)	2020 Incremental Costs (\$)	Measure Load Shape															
																								Participants (-)	Units (-)	Participants (-)	Units (-)	Participants (-)	Units (-)																											
TOTAL																																																								
LED Tubes (Linear Lamps)	LED Tubes (Linear Lamps)	LED Linear Tube	17	5,503	Fluorescent Lamp	31	5,503	12.00	\$5.26	\$2	\$12	0.069	45%	2.30	1.25	76	\$0.069	\$0.006	0.01	0.01	\$0.00	\$0.20	76%	1,125	760,132	1,189	886,555	92.0%	99%	100%	8,023	55,517,657	\$3,954,509	\$8,787,132	9,379	64,897,305	\$4,699,377	\$10,271,708	CO-BUS-Light Tube																	
LED Ref and Frz Cases 6' or 6' doors	LED Ref and Frz Cases 6' or 6' doors	LED Case Lighting	26	6,233	Fluorescent System	78	6,233	20.00	\$45	\$0	\$164	0.065	27%	7.78	5.64	324	\$0.139	\$0.007	0.05	0.05	\$0.00	\$0.00	89.65%	11	106	11	106	74.0%	100%	100%	4	26,856	\$4,770	\$17,358	4	26,856	\$4,770	\$17,358	CO-BUS-Light Refrigerated																	
LED/LEC Exit Sign	LED/LEC Exit Sign	LED/LEC Exit Sign	2	5,760	Incandescent Exit Sign	37	5,760	20.00	\$25	\$0	\$84	0.056	30%	5.17	3.63	304	\$0.082	\$0.004	0.03	0.04	\$0.00	\$0.80	100%	69	1,033	69	1,033	74.0%	100%	100%	29	245,228	\$25,825	\$86,742	29	245,228	\$25,825	\$86,742	CO-BUS-Light Flat																	
LED PLUG Based Lamp	LED PLUG Based Lamp	LED Plug-In Lamp	14	5,353	CFL Lamp	42	5,353	12.00	\$8	\$7	\$12	0.070	71%	1.14	0.33	154	\$0.055	\$0.005	0.03	0.02	\$0.00	\$0.41	74%	138	32,894	138	32,694	92.0%	99%	100%	682	4,832,044	\$274,331	\$386,116	682	4,832,044	\$274,331	\$386,116	CO-BUS-Light Troffer																	
LED Mogul-Base Lamps	LED High Bay Mogul-Base Lamps	LED Screw-Base Lamp	114	5,179	HD Lamp	342	5,179	9.80	\$91	\$29	\$167	0.071	62%	1.80	0.88	1,188	\$0.077	\$0.008	0.23	0.19	\$0.00	\$2.79	76%	42	1,158	42	1,158	92.0%	99%	100%	198	1,320,859	\$105,765	\$170,126	198	1,320,859	\$105,765	\$170,126	CO-BUS-Light High Bay																	
LED High Bay Fixture or Kit	LED High Bay Fixture or Kit	LED High Bay Fixture or Kit	150	5,946	HD or Fluorescent Fixture	348	5,946	20.00	\$121	\$0	\$377	0.066	32%	5.00	3.39	1,179	\$0.103	\$0.005	0.20	0.18	\$0.00	\$3.61	95%	308	10,336	653	24,453	74.0%	100%	100%	1,396	9,527,005	\$1,254,865	\$3,862,821	3,303	22,540,097	\$2,968,906	\$9,210,889	CO-BUS-Light High Bay																	
LED Interior Fixture	LED Interior Fixture	LED Downlight Fixture	16	4,063	Incandescent or CFL Fixture	95	4,063	20.00	\$31	\$0	\$75	0.075	42%	2.80	1.63	369	\$0.084	\$0.004	0.08	0.06	\$0.00	\$0.96	68.92%	166	21,200	330	42,196	74.0%	100%	100%	927	6,113,673	\$659,916	\$1,587,622	1,845	12,168,609	\$1,313,492	\$3,159,990	CO-BUS-Light Troffer																	
LED Troffer Fixture or Kit	LED Troffer Fixture or Kit	LED Troffer Fixture or Kit	36	4,936	Fluorescent Fixture	79	4,936	20.00	\$34	\$2	\$170	0.073	19%	12.62	10.18	208	\$0.164	\$0.008	0.04	0.03	\$0.00	\$0.54	75.23%	494	56,950	415	45,550	74.0%	100%	100%	1,435	9,178,944	\$1,924,957	\$10,336,512	1,149	7,347,895	\$1,540,980	\$8,274,680	CO-BUS-Light Troffer																	
LED Linear Ambient	LED Linear Ambient	LED Linear Ambient Fixture	70	5,292	Fluorescent Fixture	190	5,292	20.00	\$36	\$20	\$86%	0.076	15%	22.79	19.46	158	\$0.230	\$0.012	0.03	0.03	\$0.00	\$6.99	80.39%	218	2,362	102	2,644	74.0%	100%	100%	46	293,288	\$86,384	\$580,552	51	325,947	\$95,886	\$644,458	CO-BUS-Light Troffer																	
Stairwell Fixture	Stairwell Fixture	LED Stairwell Lighting Fixture	28	8,760	Fluorescent Fixture	58	8,760	20.00	\$40	\$0	\$277	0.056	14%	19.74	16.89	282	\$0.153	\$0.008	0.03	0.03	\$0.00	\$0.67	190.00%	5	200	5	200	74.0%	100%	100%	5	40,982	\$8,000	\$55,450	5	40,982	\$8,000	\$55,450	CO-BUS-Light Flat																	
LED Parking Garage Lighting	LED Parking Garage Lighting	LED Parking Garage Fixture	57	8,760	HD Fixture	206	8,760	20.00	\$124	\$0	\$319	0.066	39%	4.36	2.67	1,201	\$0.095	\$0.005	0.15	0.16	\$0.00	\$0.00	190.00%	15	1,360	18	1,666	74.0%	100%	100%	166	1,413,433	\$171,913	\$442,984	198	1,694,086	\$206,048	\$530,944	CO-BUS-Light Flat																	
LED Parking Garage Wall Pack	LED Parking Garage Wall Pack	LED Wall Pack Fixture	31	8,760	HD Wall Pack Fixture	156	8,760	20.00	\$44	\$0	\$316	0.066	14%	5.15	4.44	1,094	\$0.040	\$0.002	0.12	0.14	\$0.00	\$0.00	190.00%	12	134	21	268	74.0%	100%	100%	13	114,610	\$5,863	\$42,382	27	229,220	\$11,725	\$84,784	CO-BUS-Light Flat																	
LED Area Lighting	LED Area Lighting	LED Fixture	171	4,511	HD Fixture	650	4,511	20.00	\$93	\$0	\$683	0.077	14%	4.13	3.57	2,163	\$0.043	\$0.002	0.48	0.00	\$0.00	\$0.00	0.00%	296	5,579	138	2,500	74.0%	100%	100%	0	9,434,460	\$517,374	\$3,812,569	0	4,227,866	\$231,840	\$1,708,446	CO-BUS-RECM_OUT																	
LED Exterior Wall Pack	LED Exterior Wall Pack	LED Wall Pack Fixture	49	4,511	HD Wall Pack Fixture	252	4,511	20.00	\$42	\$0	\$362	0.077	14%	4.29	3.69	919	\$0.046	\$0.002	0.20	0.00	\$0.00	\$0.00	0.00%	341	4,260	155	1,880	74.0%	100%	100%	0	3,059,413	\$180,692	\$1,286,129	0	1,350,163	\$79,742	\$567,588	CO-BUS-RECM_OUT																	
LED Outdoor Canopy Lighting	LED Outdoor Canopy Lighting	LED Canopy Fixture	79	4,511	HD Fixture	349	4,511	20.00	\$48	\$0	\$204	0.077	16%	3.15	2.66	1,218	\$0.038	\$0.002	0.27	0.00	\$0.00	\$0.00	0.00%	68	912	34	455	74.0%	100%	100%	0	866,689	\$41,977	\$267,753	0	432,394	\$20,943	\$133,583	CO-BUS-RECM_OUT																	
LED Street Lighting	LED Street Lighting	LED Fixture	159	4,511	HD Fixture	353	4,511	20.00	\$54	\$0	\$915	0.077	9%	9.19	8.38	874	\$0.062	\$0.003	0.19	0.00	\$0.00	\$0.00	0.00%	3	27	0	0	74.0%	100%	100%	0	18,439	\$1,454	\$16,696	0	0	\$0	\$0	CO-BUS-RECM_OUT																	
Networked Lighting Controls	Networked Lighting Controls	Networked Lighting Controls	33	4,543	Manual Switch	63	4,543	15.00	\$25	\$0	\$96	0.076	25%	9.68	7.44	134	\$0.187	\$0.012	0.03	0.02	\$0.00	\$0.34	74.00%	50	11,000	127	21,000	100.0%	100%	100%	261	1,560,120	\$276,690	\$1,086,174	498	2,978,410	\$528,227	\$2,073,604	CO-BUS-Light Network Controls																	
Standalone Controls	Standalone Controls	Sensor	150	4,543	Manual Switch	210	4,543	8.00	\$13	\$0	\$129	0.076	10%	7.15	6.40	245	\$0.055	\$0.007	0.05	0.05	\$0.00	\$0.64	77.54%	60	6,500	78	8,400	74.0%	100%	100%	218	1,243,930	\$96,920	\$837,185	281	1,607,541	\$112,328	\$1,081,901	CO-BUS-Light Sensor																	
LED Ref and Frz Cases 6' or 6' doors	LED Ref and Frz Cases 6' or 6' doors	LED Strip Lighting	20	4,513	Fluorescent System	70	4,513	20.00	\$35	\$38	\$125	0.077	28%	7.33	5.29	223	\$0.157	\$0.008	0.05	0.04	\$0.00	\$0.00	82.16%	2	15	2	15	74.0%	100%	100%	0	2,820	\$525	\$1,881	0	2,820	\$525	\$1,881	CO-BUS-Light Refrigerated																	
LED High Bay Fixture	LED High Bay Fixture	LED Fixture	174	5,313	HD Fixture	352	5,313	20.00	\$131	\$232	\$207	0.078	51%	4.02	1.97	947	\$0.139	\$0.007	0.18	0.15	\$0.00	\$2.45	80.04%	53	4,250	65	5,150	74.0%	100%	100%	486	3,144,832	\$558,717	\$1,094,037	589	3,810,797	\$677,033	\$1,325,716	CO-BUS-Light High Bay																	
LED Interior Fixture	LED Interior Fixture	LED Downlight Fixture	26	4,088	Incandescent Fixture	110	4,088	20.00	\$30	\$43	\$102	0.061	30%	3.78	2.65	343	\$0.088	\$0.004	0.08	0.05	\$0.00	\$0.88	60.39%	43	10,500	57	14,000	74.0%	100%	100%	427	2,815,172	\$316,350	\$1,065,860	569	3,753,563	\$424,466	\$1,421,147	CO-BUS-Light Troffer																	
LED Troffer Fixture	LED Troffer Fixture	LED Troffer Fixture	41	4,195	Fluorescent Fixture	79	4,195	20.00	\$35	\$47	\$166	0.080	21%	13.60	10.73	158	\$0.221	\$0.011	0.04	0.03	\$0.00	\$0.41	72.71%	102	5,108	102	5,108	74.0%	100%	100%	112	631,102	\$178,598	\$848,322	112	631,102	\$178,598	\$848,322	CO-BUS-Light Troffer																	
LED Parking Garage Lighting	LED Parking Garage Lighting	LED Parking Garage Fixture	35	8,760	HD Fixture	196	8,760	20.00	\$26	\$260	\$40	0.066	54%	0.60	0.28	1,434	\$0.018	\$0.001	0.16	0.16	\$0.00	\$0.00	190.00%	2	19	2	19	74.0%	100%	100%	2	21,152	\$495	\$919	2	21,152	\$495	\$919	CO-BUS-Light Flat																	
LED Parking Garage Wall Pack	LED Parking Garage Wall Pack	LED Wall Pack Fixture	38	8,760	HD Wall Pack Fixture	189	8,760	20.00	\$30	\$269	\$90	0.066	33%	1.22	0.81	1,314	\$0.023	\$0.001	0.15	0.16	\$0.00	\$0.00	190.00%	1	6	1	6	74.0%	100%	100%	1	6,163	\$180	\$538	1	6,163	\$180	\$538	CO-BUS-Light Flat																	
LED Area Lighting	LED Area Lighting	LED Fixture	309	4,511	HD Fixture	907	4,511	20.00	\$76	\$364	\$459	0.077	17%	1.91	1.59	3,146	\$0.024	\$0.001	0.70	0.00	\$0.00	\$0.00	0.00%	30	591	19	342	74.0%	100%	100%	0	1,453,496	\$45,007	\$271,473	0	841,109	\$26,045	\$157,096	CO-BUS-RECM_OUT																	
LED Exterior Wall Pack	LED Exterior Wall Pack	LED Wall Pack Fixture	50	4,511	HD Wall Pack Fixture	222	4,511	20.00	\$30	\$257	\$98	0.077	35%	1.45	0.94	778	\$0.039	\$0.002	0.17	0.00	\$0.00	\$0.00	0.00%	38	453	26	311	74.0%	100%	100%	0	275,633	\$13,621	\$39,099	0	189,232	\$9,351	\$26,842	CO-BUS-RECM_OUT																	
LED Outdoor Canopy Lighting	LED Outdoor Canopy Lighting	LED Canopy Fixture	57	4,511	HD Fixture	329	4,511	20.00	\$24	\$250																																														