

Measure Description	Electric Product Detailed Technical Assumptions																				Program Forecast Inputs			Stipulated Forecast Inputs			Program Forecast Outputs				
	High Efficiency Product Assumptions			Baseline Product Assumptions			Economic Assumptions				Stipulated Output				Economic Assumptions			Technical Assumption	2018		2018			2018							
	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 (%)	Increment1 Cost Payback Period w/o Rebate (yrs)	Increment1 Cost Payback Period w/ Rebate (yrs)	Annual Customer kWh Savings (kWh/yr)	Rebated Cost / Cust kWh Saved (\$/kWh)	Rebated Lifetime cost / Cust kWh Saved (\$/kWh)	Customer kWh Savings (kWh)	Generator Peak kW Savings (kW)	Non-Energy O&M Savings (\$)	Energy O&M Savings (\$)	Coincidence Factor (%)	2018 Participants (-)	2018 Units (-)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2018 NET Gen kW (kW)	2018 Net Gen kWh (kWh)	2018 Rebate Budget (\$)	2018 Incremental Costs (\$)
																						3,163	792,501				20,602	135,661,843	12,359,705	42,294,034	
T8 to T8 Optimization	Fluorescent T8 Fixture with Less Lamps (3,2,1)	63	4,543	Fluorescent T8 Fixture with More Lamps (4,3,2)	114	4,543	20.00	\$12	\$0	\$43.20	0.068	28%	2.88	2.08	231	\$0.052	\$0.003	0.05	0.04	\$0.00	-\$0.59	77.54%	3	100	99%	100%	100%	4	24,504	\$1,200	\$4,320
High Bay Fluorescent replacing HID	High Bay Fluorescents With Electronic Ballasts	400	4,543	HID Fixture	702	4,543	20.00	\$59	\$0	\$276.96	0.068	21%	3.10	2.44	1,372	\$0.043	\$0.002	0.30	0.25	\$0.00	-\$3.52	77.54%	13	505	99%	100%	100%	125	734,835	\$30,000	\$139,865
T8 Ballast, 2 ft to 4 ft., 1 and 2 Lamp / T8 Ballast, 2 ft to 4 ft., 3 and 4 Lamp	High Efficiency Ballast	94	4,543	Standard Ballast	98	4,543	20.00	\$1.50	\$16	\$3.00	0.068	50%	2.70	1.35	17	\$0.088	\$0.004	0.00	0.00	\$0.00	-\$0.04	77.54%	1	100	99%	100%	100%	0	1,814	\$150	\$300
CFL Pin Based	Pin-Based CFL	36	4,543	Incandescent	108	4,543	20.00	\$3	\$0	\$11.46	0.068	24%	0.54	0.41	324	\$0.008	\$0.000	0.07	0.06	0	-\$0.83	77.54%	65	400	99%	100%	100%	23	137,662	\$1,100	\$4,585
Occupancy Sensor - Photocell	Lighting Fixture with Photocell	172	4,543	Lighting Fixture with Manual Switch	265	4,543	8	\$25	\$0	\$65.00	0.068	38%	2.36	1.45	424	\$0.059	\$0.007	0.09	0.08	\$0.00	-\$1.09	77.54%	2	100	99%	100%	100%	8	44,984	\$2,500	\$6,500
Wall mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	88	4,543	Lighting Fixture with Manual Switch	126	4,543	8	\$15	\$0	\$55	0.068	27%	4.93	3.59	171	\$0.088	\$0.011	0.04	0.03	\$0.00	-\$0.44	77.54%	3	500	99%	100%	100%	16	90,908	\$7,500	\$27,500
Wall mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	450	4,543	Lighting Fixture with Manual Switch	643	4,543	8	\$25	\$0	\$55	0.068	45%	0.96	0.53	876	\$0.029	\$0.004	0.19	0.16	\$0.00	-\$2.26	77.54%	5	300	99%	100%	100%	48	278,923	\$7,500	\$16,500
Ceiling mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	88	4,543	Lighting Fixture with Manual Switch	126	4,543	8	\$30	\$0	\$125	0.068	24%	11.21	8.52	171	\$0.175	\$0.022	0.04	0.03	\$0.00	-\$0.44	77.54%	5	500	99%	100%	100%	16	90,908	\$15,000	\$62,500
Ceiling mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	450	4,543	Lighting Fixture with Manual Switch	643	4,543	8	\$40	\$0	\$125.00	0.068	32%	2.19	1.49	876	\$0.046	\$0.006	0.19	0.16	\$0.00	-\$2.26	77.54%	2	500	99%	100%	100%	79	464,872	\$20,000	\$62,500
Stairwell Fixture with Integral Occupancy Sensor	Stairwell Fixture with Integral Occupancy Sensor	7	4,543	Stairwell Lighting Fixture	71	4,543	14	\$75	\$0	\$306.00	0.059	25%	18.62	14.06	291	\$0.257	\$0.018	0.06	0.05	\$0.00	-\$0.75	77.54%	5	200	99%	100%	100%	11	61,810	\$15,000	\$61,201
Integrated Occupancy Sensor	Lighting System with Occupancy Sensor	38	6,093	Lighting Fixture - Manual Switch	54	6,386	8.00	\$20	\$0	\$37.50	0.068	53%	3.85	1.80	146	\$0.137	\$0.017	0.02	0.02	\$0.00	-\$0.16	86.72%	20	800	99%	100%	100%	12	124,284	\$16,000	\$30,000
Integrated Photocell	Lighting System with Integrated Photocell	34	6,324	Lighting Fixture - Manual Switch	53	7,010	8.00	\$8	\$0	\$12.50	0.068	64%	1.23	0.44	154	\$0.052	\$0.006	0.02	0.02	\$0.00	-\$0.30	89.52%	6	680	99%	100%	100%	11	108,159	\$5,280	\$8,250
Integrated Occupancy & Photo Cell Sensor	Lighting System with Occupancy & Photo Sensor	32	6,216	Lighting Fixture - Manual Switch	53	6,901	8.00	\$28	\$0	\$50.00	0.068	56%	4.59	2.02	166	\$0.169	\$0.021	0.02	0.02	\$0.00	-\$0.33	85.96%	6	2,000	99%	100%	100%	38	352,508	\$56,000	\$100,000
Networked Lighting Controls	Lighting Fixture with Networked Lighting Controls	33	4,543	Lighting Fixture with Manual Switch	63	4,543	15.00	\$25	\$0.00	\$98.74	0.068	25%	11.31	8.43	134	\$0.187	\$0.012	0.03	0.02	\$0.00	-\$0.34	77.54%	29	5,800	99%	100%	100%	141	826,220	\$145,891	\$572,710
Standalone Controls	Lighting Fixture with Sensor	156	4,543	Lighting Fixture with Manual Switch	210	4,543	8.00	\$13	\$0.00	\$128.80	0.068	10%	8.10	7.26	245	\$0.055	\$0.007	0.05	0.04	\$0.00	-\$0.64	77.54%	80	7,300	99%	100%	100%	324	1,896,165	\$97,618	\$940,223
Stairwell Fixture	LED Stairwell Fixture	28	7,673	Stairwell Lighting Fixture	58	7,673	20.00	\$40	\$0.00	\$277.25	0.059	14%	21.40	18.32	230	\$0.174	\$0.009	0.03	0.03	\$0.00	-\$0.59	100.00%	0	0	99%	100%	100%	0	0	\$0	\$0
LED/LED Exit Sign	LED	1	8,760	Incandescent	35	8,760	20.00	\$25	\$0	\$82.01	0.059	30%	4.69	3.26	297	\$0.084	\$0.004	0.03	0.04	\$0.00	\$0.00	100.00%	50	1,250	99%	100%	100%	45	393,544	\$31,250	\$102,506
T8 Low Wattage Lamps	T8 Low Wattage Lamps	31	4,543	T8 32W Lamp	38	4,543	8.00	\$2	\$0	\$4.00	0.059	38%	2.41	1.51	29	\$0.051	\$0.006	0.01	0.01	\$0	\$0	77.54%	60	30,000	99%	100%	100%	160	935,164	\$45,000	\$120,000
LED Midstream Interior Lamps	LED Lamp	14	4,637	Incandescent or CFL Lamp	42	4,637	5.24	\$6	\$5	\$15.76	0.059	39%	2.17	1.31	129	\$0.048	\$0.009	0.03	0.02	\$0.00	-\$0.33	76.26%	1,036	172,190	92%	100%	100%	3,591	21,834,005	\$1,067,845	\$2,713,280
LED Interior Fixture	LED Downlight Fixture	45	4,543	Incandescent Fixture	80	4,543	20.00	\$49	\$0	\$204.96	0.068	24%	19.82	15.12	159	\$0.306	\$0.015	0.03	0.03	\$0.00	-\$0.41	77.54%	5	110	99%	100%	100%	3	18,550	\$5,350	\$22,546
LED Exterior Wall Pack	LED Wall Pack Fixture	52	4,903	HID Wall Pack Fixture	240	4,903	20.00	\$32	\$0	\$350.43	0.068	9%	5.62	5.11	922	\$0.034	\$0.002	0.19	0.00	\$0.00	\$0.00	0.00%	15	1,850	99%	100%	100%	0	1,810,189	\$58,500	\$648,293
LED Parking Garage Wall Pack	LED Wall Pack Fixture	38	8,760	HID Wall Pack Fixture	167	8,760	20.00	\$50	\$0	\$354.64	0.059	14%	6.11	3.96	1,303	\$0.038	\$0.002	0.15	0.16	\$0.00	\$0.00	100.00%	4	225	99%	100%	100%	36	311,072	\$11,250	\$79,793
LED Outdoor Canopy Lighting	LED Canopy Fixture	72	4,903	HID Fixture	328	4,903	20.00	\$40	\$0	\$339.78	0.044	12%	6.17	5.44	1,256	\$0.032	\$0.002	0.26	0.00	\$0.00	\$0.00	0.00%	9	400	99%	100%	100%	0	533,021	\$16,000	\$135,913
LED Parking Garage Lighting	LED Parking Garage Fixture	47	8,760	HID Fixture	199	8,760	20.00	\$117	\$0.00	\$396.27	0.059	32%	4.66	3.17	1,332	\$0.088	\$0.004	0.15	0.16	\$0.00	\$0.00	100.00%	8	2,500	99%	100%	100%	403	3,533,282	\$292,500	\$915,675
LED Ref and Frz Cases 5' or 6' doors	LED Strip Lighting	51	8,760	T8 or T12 Fluorescent	118	8,760	20.00	\$45	\$0	\$163.75	0.059	27%	3.60	2.61	771	\$0.058	\$0.003	0.09	0.09	\$0.00	\$0.00	100.00%	20	1,000	99%	100%	100%	93	818,407	\$45,000	\$163,750
LED Street Lighting	LED Fixture	128	4,903	HID Fixture	314	4,903	20.00	\$38	\$0	\$59.71	0.044	7%	13.97	13.02	914	\$0.042	\$0.002	0.19	0.00	\$0.00	\$0.00	0.00%	8	65	99%	100%	100%	0	63,034	\$2,475	\$36,381
LED Area Lighting	LED Fixture	125	4,903	HID Fixture	412	4,903	20.00	\$152	\$0	\$636.76	0.044	24%	10.33	7.86	1,406	\$0.108	\$0.005	0.29	0.00	\$0.00	\$0.00	0.00%	15	1,100	99%	100%	100%	0	1,640,967	\$167,500	\$700,433
LED Troffer Fixture	LED Troffer Fixture	55	4,543	Fluorescent Fixture	99	4,543	20.00	\$50	\$0	\$170.75	0.068	29%	13.23	9.36	200	\$0.250	\$0.013	0.04	0.04	\$0.00	-\$0.62	77.54%	20	33,000	99%	100%	100%	1,195	7,001,834	\$1,650,000	\$5,634,750
LED Troffer Retrofit	LED Troffer Fixture - Retrofit Kit	51	4,543	Fluorescent Fixture	95	4,543	20.00	\$50	\$0	\$119.33	0.068	44%	9.16	5.32	201	\$0.248	\$0.012	0.04	0.04	\$0.00	-\$0.59	77.54%	10	6,000	99%	100%	100%	219	1,281,928	\$300,000	\$715,980
T12 LED Troffer Fixture	LED Troffer T12 Fixture - Retrofit Kit	39	4,543	Fluorescent Fixture	67	4,543	20.00	\$30	\$51	\$68.78	0.068	42%	8.47	4.78	127	\$0.236	\$0.012	0.03	0.02	\$0.00	-\$0.49	77.54%	1	55	99%	100%	100%	1	7,422	\$1,650	\$3,783
T12 LED Troffer Retrofit	LED Troffer T12 Fixture	53	4,543	Fluorescent Fixture	92	4,543	20.00	\$30	\$51	\$120.12	0.068	25%	10.35	7.76	178	\$0.168	\$0.008	0.04	0.03	\$0.00	-\$0.46	77.54%	0	0	99%	100%	100%	0	0	\$0	\$0
LED High Bay Fixture	LED High Bay	301	4,543	HID Fixture	571	4,543	20.00	\$156	\$0	\$684.41	0.068	23%	8.56	6.60	1,229	\$0.127	\$0.006	0.27	0.22	\$0.00	-\$3.15	77.54%	20	1,768	99%	100%	100%	393	2,304,894	\$276,500	\$1,209,701
Retrofit Kits for LED High-Bay Fixtures	LED High Bay Retrofit Kit	302	4,543	HID Fixture	567	4,543	20.00	\$58	\$0	\$431.49	0.068	13%	2.44	1.25	444	\$0.044	\$0.002	0.29	0.24	\$0.00	-\$3.32	77.54%	4	420	99%	100%	100%	98	577,016	\$24,200	\$181,225
LED Tubes (Linear Lamps)	LED Tubes (Linear Lamps)	22	4,543	T8 Fluorescent Lamps	33	4,543	12.09	\$5	\$2	\$11.37	0.068	43%	3.46	1.97	51	\$0.095	\$0.008	0.01	0.01	\$0.00	-\$0.18	77.54%	925	448,000	99%	100%	100%	4,160	24,372,151	\$2,186,000	\$5,092,781
LED High Bay Fixture	LED High Bay Fixture	408	4,543	HID Fixture	835	4,543	20.00	\$151	\$323	\$866.20	0.068	17%	6.88	5.68	1,937	\$0.078	\$0.004	0.43	0.35	\$0.00	-\$4.97	77.54%	8	8,000	99%	100%	100%	2,806	16,4		