

Electric Product Detailed Technical Assumptions																					Program Forecast Inputs				Stipulated Forecast Inputs			2019				
Measure Description	High Efficiency Product Assumptions			Baseline Product Assumptions			Economic Assumptions			Stipulated Output							Economic Assumptions			Technical Assumptions				2019								
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 / Cust kWh Saved (\$/kWh)	Rebated Lifetime cost /Cust kWh Saved (\$/kWh)	Customer kW Savings (kW)	Generator Peak kW Savings (kW)	Non-Energy O&M Savings (\$)	Energy O&M Savings (\$)	Coincidence Factor (%)	2019 Participants (-)	2019 Units (-)	2020 Participants (-)	2020 Units (-)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2019 NET Gen kW (kW)	2019 NET Gen kWh (kWh)	2019 Rebate Budget (\$)
636																					4,711	1,077,583	4,791	1,289,978	19,904	153,481,017	\$13,942,075					
LED Tubes (Linear Lamps)	LED Linear Tube	17	5,503	Fluorescent Lamp	31	5,503	12.05	\$5.26	\$2	\$12	0.069	45%	2.30	1.25	76	\$0.069	\$0.006	0.01	0.01	\$0.00	-\$0.20	78%	1,125	760,132	1,189	888,555	92.0%	99%	100%	8,023	55,517,657	\$3,994,509
LED Ref and Frz Cases 5' 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	73.0%	100%	100%	4	26,493	\$4,770
LED/LEC Exit Sign	LED/LEC Exit Sign	2	8,760	Incandescent Exit Sign	37	8,760	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	73.0%	100%	100%	28	241,914	\$25,825
LED PL/G 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	32,694	138	32,694	92.0%	99%	100%	682	4,832,044	\$274,331
LED High Bay Mogul-Base Lamps	LED Screw-Base Lamp	114	5,179	HID Lamp	342	5,179	9.60	\$91	\$29	\$147	0.071	62%	1.80	0.68	1,186	\$0.077	\$0.008	0.23	0.19	\$0.00	-\$2.78	78%	42	1,158	42	1,158	92.0%	99%	100%	198	1,320,859	\$105,765
LED High Bay Fixture or Kit	LED High Bay Fixture or Kit	150	5,946	HID 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	-\$3.01	80%	308	10,336	653	24,453	73.0%	100%	100%	1,377	9,398,262	\$1,254,865
LED Interior Fixture	LED Downlight Fixture	16	4,663	Incandescent or CFL Fixture	95	4,663	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	73.0%	100%	100%	915	6,031,056	\$659,916
LED Troffer Fixture or Kit	LED Troffer Fixture or Kit	36	4,936	Fluorescent Fixture	78	4,936	20.00	\$34	\$2	\$108	0.073	19%	12.52	10.19	206	\$0.164	\$0.008	0.04	0.03	\$0.00	-\$0.54	75.22%	494	56,900	415	45,550	75.0%	100%	100%	1,415	9,054,904	\$1,924,957
LED Linear Ambient	LED Linear Ambient Fixture	70	5,292	Fluorescent Fixture	100	5,292	20.00	\$36	\$20	\$106	0.070	15%	22.79	18.40	158	\$0.230	\$0.012	0.03	0.03	\$0.00	-\$0.39	80.35%	218	2,382	102	2,644	73.0%	100%	100%	45	289,325	\$86,384
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	262	\$0.153	\$0.008	0.03	0.03	\$0.00	-\$0.67	100.00%	5	200	5	200	73.0%	100%	100%	5	40,428	\$8,000
LED Parking Garage Lighting	LED Parking Garage Fixture	57	8,760	HID Fixture	206	8,760	20.00	\$124	\$0	\$319	0.056	39%	4.36	2.67	1,301	\$0.095	\$0.005	0.15	0.16	\$0.00	\$0.00	100.00%	15	1,390	18	1,666	73.0%	100%	100%	163	1,394,333	\$171,913
LED Parking Garage Wall Pack	LED Wall Pack Fixture	31	8,760	HID Wall Pack Fixture	156	8,760	20.00	\$44	\$0	\$316	0.056	14%	5.15	4.44	1,094	\$0.040	\$0.002	0.12	0.14	\$0.00	\$0.00	100.00%	12	134	21	268	73.0%	100%	100%	13	113,061	\$5,863
LED Area Lighting	LED Fixture	171	4,511	HID 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	73.0%	100%	100%	0	9,306,968	\$517,374
LED Exterior Wall Pack	LED Wall Pack Fixture	49	4,511	HID Wall Pack Fixture	252	4,511	20.00	\$42	\$0	\$302	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	73.0%	100%	100%	0	3,018,069	\$180,692
LED Outdoor Canopy Lighting	LED Canopy Fixture	79	4,511	HID Fixture	349	4,511	20.00	\$46	\$0	\$294	0.077	16%	3.15	2.66	1,216	\$0.038	\$0.002	0.27	0.00	\$0.00	\$0.00	0.00%	68	912	34	455	73.0%	100%	100%	0	854,977	\$41,977
LED Street Lighting	LED Fixture	159	4,511	HID Fixture	353	4,511	20.00	\$54	\$0	\$615	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	73.0%	100%	100%	0	18,190	\$1,454
Networked Lighting Controls	Networked Lighting Controls	33	4,543	Manual Switch	63	4,543	15.00	\$25	\$0	\$99	0.076	25%	9.98	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
Standalone Controls	Sensor	156	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	73.0%	100%	100%	215	1,227,120	\$86,920
LED Ref and Frz Cases 5' 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	73.0%	100%	100%	0	2,584	\$525
LED High Bay Fixture	LED Fixture	174	5,313	HID Fixture	352	5,313	20.00	\$131	\$232	\$257	0.070	51%	4.02	1.97	947	\$0.139	\$0.007	0.18	0.15	\$0.00	-\$2.46	80.04%	53	4,250	65	5,150	73.0%	100%	100%	479	3,102,335	\$558,717
LED Interior Fixture	LED Downlight Fixture	26	4,088	Incandescent Fixture	110	4,088	20.00	\$30	\$43	\$102	0.081	30%	3.78	2.65	343	\$0.088	\$0.004	0.08	0.05	\$0.00	-\$0.88	80.39%	43	10,500	57	14,000	73.0%	100%	100%	421	2,777,129	\$318,350
LED Troffer Fixture	LED Troffer Fixture	41	4,195	Fluorescent Fixture	79	4,195	20.00	\$35	\$47	\$106	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	73.0%	100%	100%	111	622,573	\$178,598
LED Parking Garage Lighting	LED Parking Garage Fixture	35	8,760	HID Fixture	198	8,760	20.00	\$26	\$290	\$48	0.056	54%	0.60	0.28	1,424	\$0.018	\$0.001	0.16	0.18	\$0.00	\$0.00	100.00%	2	19	2	19	73.0%	100%	100%	2	20,866	\$495
LED Parking Garage Wall Pack	LED Wall Pack Fixture	39	8,760	HID Wall Pack Fixture	189	8,760	20.00	\$30	\$269	\$50	0.056	33%	1.22	0.81	1,314	\$0.023	\$0.001	0.15	0.16	\$0.00	\$0.00	100.00%	1	6	1	6	73.0%	100%	100%	1	6,079	\$180
LED Area Lighting	LED Fixture	209	4,511	HID Fixture	907	4,511	20.00	\$76	\$384	\$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	73.0%	100%	100%	0	1,433,854	\$45,007
LED Exterior Wall Pack	LED Wall Pack Fixture	50	4,511	HID Wall Pack Fixture	222	4,511	20.00	\$30	\$257	\$86	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	73.0%	100%	100%	0	271,909	\$13,621
LED Outdoor Canopy Lighting	LED Canopy Fixture	57	4,511	HID Fixture	329	4,511	20.00	\$24	\$252	\$93	0.077	25%	0.99	0.74	1,229	\$0.019	\$0.001	0.27	0.00	\$0.00	\$0.00	0.00%	4	34	4	34	73.0%	100%	100%	0	32,217	\$805
LED Street Lighting	LED Fixture	115	4,380	HID Fixture	287	4,380	20.00	\$37	\$225	\$311	0.078	12%	5.30	4.67	754	\$0.049	\$0.002	0.17	0.00	\$0.00	\$0.00	0.00%	4	4	0	0	73.0%	100%	100%	0	2,327	\$149
LED Midstream Interior Lamps	LED Lamp or Retrofit Kit	11	5,194	Halogen, Incandescent, or CFL Lamp	39	5,194	5.24	\$7	\$5	\$11	0.071	70%	1.06	0.32	146	\$0.051	\$0.010	0.03	0.02	\$0.00	-\$0.36	74.67%	750	140,400	753	190,000	92.0%	99%	100%	2,903	19,687,455	\$1,037,770
Custom Lighting Project	High Efficiency Lighting	17,090	4,783	Existing Lower Efficiency Lighting	39,191	4,783	16.22	\$8,298	\$2,944	\$29,208	0.074	28%	3.85	2.75	105,713	\$0.078	\$0.005	22.10	13.86	\$0.00	-\$247.03	57.90%	261	261	235	235	73.0%	100%	100%	2,642	21,275,908	\$2,165,655