

Measure Description			Electric Product Detailed Technical Assumptions												Economic Assumptions												Stipulated Output					Program Forecast Inputs				Stipulated Forecast Inputs				Program Forecast Outputs				
			High Efficiency Product Assumptions			Baseline Product Assumptions			Economic Assumptions			Stipulated Output			Economic Assumptions		Typical Assumption		2019		2020		2019		2020		2019		2020		2019		2020		Measure Load Shape									
Electric Product Measure	Electric Measure Description	Efficient Product Description / Rating	Efficient Product Consumption (kWh/yr)	Efficient Hours of Operation (hrs/yr)	Baseline Product Description / Rating	Baseline Product Consumption (kWh/yr)	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/ Rebate (yrs)	Incremental Cost Payback Period w/o Rebate (yrs)	Annual Customer kWh Savings (kWh/yr)	Rebate Cost / Cost kWh Saved (\$/kWh)	Rebate / Lifetime Cost (Cost kWh Saved (\$/kWh))	Customer kWh Savings (kWh)	Generator Peak kW Savings (kW)	Non-Energy O&M Savings (\$)	Energy O&M Savings (\$)	Collection Factor (%)	2019 Participants (1)	2019 Units (1)	2020 Participants (1)	2020 Units (1)	NTD (%)	Installation Rate (%)	Realization Rate (%)	2019 NET Gen kWh (kWh)	2019 NET Gen kWh (kWh)	2019 Net Rebate Budget (\$)	2019 Incremental Costs (\$)		2020 NET Gen kWh (kWh)	2020 NET Gen kWh (kWh)	2020 Net Rebate Budget (\$)	2020 Incremental Costs (\$)					
LED Tubes (Linear Lamps)	LED Tubes (Linear Lamps)	LED Linear Tube	16	8,100	Fluorescent Lamp	20	8,100	10	\$0	\$0	\$16	\$0.12	0%	3.36	2.20	68	\$0.014	\$0.008	0.01	0.01	\$0.00	\$0.18	75%	844	108,969	890	110,148	92%	99%	100%	1,089	7,143,357	\$802,610	\$1,752,148	1,168	7,290,484	\$897,000	\$1,752,148	CO-BUS-388-Track					
LED Ref and Frz Cases 4' or 6' doors	LED Ref and Frz Cases 4' or 6' doors	LED Case Lighting	26	6,313	Fluorescent System	41	6,313	20	\$40	\$0	\$104	\$0.19	27%	8.60	6.24	243	\$0.186	\$0.009	0.08	0.06	\$0.00	\$0.00	77%	5	29	3	29	89%	100%	100%	1	6,813	\$1,305	\$4,749	1	6,813	\$1,305	\$4,749	CO-BUS-389-Undercabinet					
LED/AEC Exit Signs	LED/AEC Exit Signs	LED/AEC Exit Sign	5	6,760	Fluorescent Exit Sign	36	6,760	10	\$25	\$0	\$64	\$0.66	30%	4.85	3.41	323	\$0.077	\$0.004	0.04	0.04	\$0.00	\$0.04	100%	99	530	99	530	89%	100%	100%	19	181,188	\$13,250	\$44,525	19	181,188	\$13,250	\$44,525	CO-BUS-390-Light Fix					
LED Plug-Based Lamp	LED Plug-Based Lamp	LED Plug-In Lamp	15	4,756	CFL Lamp	36	4,756	10	\$0	\$7	\$10	\$0.14	71%	1.14	0.33	145	\$0.058	\$0.005	0.03	0.03	\$0.00	\$0.39	79%	48	1,887	65	2,514	92%	99%	100%	42	350,043	\$15,631	\$22,053	36	350,044	\$21,042	\$28,887	CO-BUS-391-Track					
LED Mogel-Based Lamps	LED Mogel-Based Lamps	LED High Bay Mogel-Based Lamps	16	3,964	Mogel Lamp	219	3,964	10	\$76	\$60	\$150	\$0.72	69%	1.62	0.76	1,410	\$0.054	\$0.008	0.28	0.23	\$0.00	\$0.22	73%	12	134	17	181	92%	99%	100%	27	181,982	\$16,137	\$20,296	37	244,389	\$13,846	\$27,321	CO-BUS-392-High Bay					
LED High Bay Fixture or Kit	LED High Bay Fixture or Kit	LED High Bay Fixture or Kit	128	4,268	HQI Fluorescent Fixture	398	4,268	20	\$115	\$0	\$555	\$0.89	37%	5.34	3.98	758	\$0.151	\$0.008	0.18	0.14	\$0.00	\$1.97	75%	149	3,504	217	4,934	89%	100%	100%	428	2,497,376	\$402,111	\$1,093,324	603	3,516,511	\$698,205	\$1,519,499	CO-BUS-393-High Bay					
LED Interior Fixture	LED Interior Fixture	LED Downlight Fixture	21	4,671	Fluorescent or CFL Fixture	66	4,671	10	\$31	\$0	\$65	\$0.75	33%	3.69	2.46	344	\$0.090	\$0.004	0.07	0.05	\$0.00	\$0.70	87%	64	2,885	83	3,465	89%	100%	100%	126	862,700	\$82,490	\$247,279	164	1,121,509	\$107,237	\$321,483	CO-BUS-394-Track					
LED Linear Ambient	LED Linear Ambient	LED Linear Ambient Fixture	22	4,278	Fluorescent Fixture	121	4,278	20	\$33	\$0	\$70	\$0.79	17%	9.51	6.22	264	\$0.138	\$0.006	0.06	0.05	\$0.00	\$0.90	73%	271	5,925	203	4,444	89%	100%	100%	249	1,417,889	\$182,822	\$1,138,295	180	1,082,801	\$144,682	\$854,472	CO-BUS-395-Track					
LED Troffer Fixture or Kit	LED Troffer Fixture or Kit	LED Troffer Fixture or Kit	36	3,998	Fluorescent Fixture	97	3,998	20	\$39	\$0	\$100	\$0.84	22%	9.46	7.52	224	\$0.173	\$0.009	0.06	0.04	\$0.00	\$0.90	73%	538	14,367	404	11,241	89%	100%	100%	584	3,138,759	\$382,018	\$2,636,873	438	2,369,054	\$436,514	\$1,972,780	CO-BUS-396-Track					
LED Parking Garage Lighting	LED Parking Garage Lighting	LED Parking Garage Fixture	62	9,760	HQI Fixture	214	9,760	10	\$126	\$0	\$230	\$0.86	55%	3.07	1.39	1,355	\$0.094	\$0.005	0.15	0.17	\$0.00	\$0.00	100%	4	33	5	41	89%	100%	100%	5	41,409	\$4,151	\$7,584	6	51,781	\$5,189	\$9,480	CO-BUS-397-Light Fix					
LED Parking Garage Wall Pack	LED Parking Garage Wall Pack	LED Wall Pack Fixture	21	6,760	HQI Wall Pack Fixture	95	6,760	20	\$36	\$0	\$266	\$0.86	13%	7.26	6.28	652	\$0.055	\$0.003	0.07	0.08	\$0.00	\$0.00	100%	3	23	4	29	89%	100%	100%	2	14,098	\$819	\$6,108	2	17,820	\$1,023	\$7,636	CO-BUS-398-Light Fix					
LED Area Lighting	LED Area Lighting	LED Fixture	189	4,511	HQI Fixture	580	4,511	20	\$96	\$0	\$603	\$0.77	16%	4.40	3.70	1,788	\$0.053	\$0.003	0.40	0.00	\$0.00	\$0.00	7%	91	1,092	45	948	89%	100%	100%	0	1,833,819	\$164,389	\$665,341	0	918,810	\$52,145	\$328,171	CO-BUS-399-OUT					
LED Exterior Wall Pack	LED Exterior Wall Pack	LED Wall Pack Fixture	36	4,511	HQI Wall Pack Fixture	284	4,511	20	\$48	\$0	\$291	\$0.77	17%	3.65	3.28	928	\$0.051	\$0.003	0.21	0.00	\$0.00	\$0.00	7%	197	1,171	88	286	89%	100%	100%	0	1,021,509	\$65,933	\$328,887	0	515,765	\$27,966	\$184,433	CO-BUS-400-OUT					
LED Outdoor Canopy Lighting	LED Outdoor Canopy Lighting	LED Canopy Fixture	30	4,511	HQI Fixture	349	4,511	20	\$48	\$0	\$290	\$0.77	19%	2.86	2.86	1,148	\$0.042	\$0.002	0.29	0.00	\$0.00	\$0.00	7%	9	62	5	51	89%	100%	100%	0	86,991	\$2,956	\$16,700	0	59,196	\$1,478	\$7,896	CO-BUS-401-OUT					
LED Street Lighting	LED Street Lighting	LED Fixture	128	4,511	HQI Fixture	278	4,511	20	\$45	\$0	\$498	\$0.77	11%	7.71	6.87	691	\$0.065	\$0.003	0.15	0.00	\$0.00	\$0.00	7%	4	4	4	4	89%	100%	100%	0	2,897	\$179	\$1,831	0	2,897	\$179	\$1,831	CO-BUS-402-OUT					
Networked Lighting Controls	Networked Lighting Controls	Networked Lighting Controls	33	4,157	Manual Switch	63	4,157	10	\$25	\$0	\$98	\$0.89	25%	10.40	7.75	123	\$0.205	\$0.014	0.03	0.02	\$0.00	\$0.30	96%	10	1,300	25	2,550	100%	100%	100%	23	168,723	\$32,700	\$128,366	45	324,468	\$82,884	\$248,858	CO-BUS-403-Light Network Control					
Stairwells Controls	Stairwells Controls	Stairwell	148	4,157	Manual Switch	210	4,157	6	\$19	\$0	\$126	\$0.89	15%	6.52	5.64	256	\$0.075	\$0.009	0.06	0.05	\$0.00	\$0.73	79%	80	1,850	60	1,850	89%	100%	100%	85	444,893	\$38,888	\$238,276	85	444,893	\$38,888	\$238,276	CO-BUS-404-Light Sensor					
Stairwell Fixture	Stairwell Fixture	LED Stairwell Fixture	28	5,780	Fluorescent Fixture	58	5,780	20	\$40	\$0	\$277	\$0.86	14%	19.62	16.79	262	\$0.153	\$0.008	0.03	0.03	\$0.00	\$0.00	100%	2	50	2	50	89%	100%	100%	1	12,322	\$2,000	\$13,863	1	12,322	\$2,000	\$13,863	CO-BUS-405-Light Fix					
LED Interior Lamp	LED Interior Lamp	LED Downlight Lamp	15	3,760	Fluorescent or CFL Lamp	36	3,760	6	\$3	\$0	\$3	\$0.66	100%	0.24	-	147	\$0.021	\$0.004	0.04	0.03	\$0.00	\$0.39	79%	1,300	26,300	1,300	26,300	89%	100%	100%	707	3,630,648	\$82,941	\$82,941	707	3,630,648	\$82,941	\$82,941	CO-BUS-406-Track					
Restroom Aerosol	Faucet Aerator (Restroom), elec water heating	2 gallons per minute (restroom) faucet aerator	64	6,760	2.7 gallons per minute faucet aerator	366	6,760	10	\$1	\$0	\$0.51	\$0.66	100%	0.00	-	1,951	\$0.000	\$0.000	0.22	0.01	\$121.47	\$0.00	2%	90	90	90	90	90%	100%	100%	0	166,949	\$46	\$46	0	166,949	\$46	\$46	CO-BUS-CUSTOM					
Kitchen Aerosol	Faucet Aerator (Kitchen), elec water heating	2.7 gallons per minute kitchen faucet aerator	10	6,760	2.7 gallons per minute kitchen faucet aerator	162	6,760	10	\$0	\$0	\$0.46	\$0.66	100%	0.01	-	285	\$0.002	\$0.000	0.03	0.00	\$16.17	\$0.00	1%	10	10	10	10	90%	100%	100%	0	2,705	\$5	\$5	0	2,705	\$5	\$5	CO-BUS-CUSTOM					
LED Midstream Interior Lamps	LED Midstream Interior Lamps	LED Lamp or Retrofit Kit	11	5,194	HQI or CFL Lamp	38	5,194	5	\$5	\$0	\$11	\$0.71	47%	1.08	0.56	146	\$0.034	\$0.006	0.03	0.02	\$0.00	\$0.30	73%	493	92,265	555	89,571	92%	99%	100%	1,908	12,937,470	\$453,933	\$874,864	1,952	12,989,967	\$460,801	\$948,426	CO-BUS-398-Track					
Custom Lighting Project	Custom Lighting Project	High Efficiency Lighting	2,860	3,441	Existing Linear Efficiency Lighting	7,678	3,441	18	\$3,128	\$67	\$7,016	\$0.89	45%	4.10	2.27	19,657	\$0.159	\$0.009	0.71	0.37	\$0.00	\$1.80	60%	267	267	240	240	89%	100%	100%	884	4,834,249	\$835,072	\$1,873,174	795	4,448,824	\$751,565	\$1,685,857	CO-BUS-Light Fix					