

		Electric Product Detailed Technical Assumptions																				Program Forecast Inputs										Stipulated Forecast Inputs										Program Forecast Outputs										Measure Load Shape
Program	Measure Description	Electric Measure Group	Electric Measure Description	High Efficiency Product Assumptions		Baseline Product Assumptions		Economic Assumptions				Stipulated Output										Economic Assumptions		Technical Assumptions		2017				2018				2017			2018			2017			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 (%)	Incremental Cost Payback Period w/o Rebate (yrs)	Incremental Cost Payback Period w Rebate (yrs)	Annual Customer kWh Savings (kWh/yr)	Rebated Cost / Cost kWh Saved (\$/kWh)	Rebated Lifetime Cost / Cost kWh Saved (\$/kWh)	Customer kWh Savings (kWh)	Generator Peak kW Savings (kW)	Non-Energy O&M Savings (\$)	Energy O&M Savings (\$)	Coincidence Factor (%)	2017 Participants (t)	2017 Units (t)	2018 Participants (t)	2018 Units (t)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2017 NET Gen kWh (kWh)	2017 NET Gen kWh (kWh)	2017 Rebate Budget (\$)	2017 Incremental Costs (\$)	2018 NET Gen kWh (kWh)	2018 NET Gen kWh (kWh)	2018 Rebate Budget (\$)	2018 Incremental Costs (\$)												
TOTAL																									2,255	363,491	2,268	406,509					16,573	78,301,292	\$7,436,144	\$23,772,419	12,460	69,266,376	\$6,517,204	\$29,311,359												
Lighting Efficiency	Prescriptive Retrofit Lighting	TS to TS Optimization	Fluorescent TS Fixture with Low Lamp (0.5,1)	60	4,540	Fluorescent TS Fixture with High Lamp (0.5,1)	114	4,540	30,30	\$12	\$0	\$40.20	0.068	28%	2.88	2.88	2.88	291	\$0.052	\$0.050	0.05	0.04	\$0.30	\$0.30	77.54%	3	800	3	100	99%	100%	100%	33	196,028	\$9,600	\$24,560	4	24,564	\$1,200	\$4,200	CO-BUS LIGHTING											
Lighting Efficiency	Prescriptive Retrofit Lighting	High Bay Fluorescent replacing HBI	High Bay Fluorescents with Electronic Ballast	400	4,540	HBI Fixture	700	4,540	30,30	\$59	\$0	\$076.96	0.068	21%	3.10	2.44	1,372	\$0.043	\$0.002	0.30	0.25	\$0.30	\$0.50	77.54%	13	505	13	505	99%	100%	100%	125	734,835	\$30,000	\$139,865	125	734,835	\$30,000	\$139,865	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	High Efficiency Ballast	High Efficiency Ballast	94	4,540	Standard Ballast	98	4,540	30,30	\$1.50	\$10	\$1.00	0.068	50%	2.70	1.35	17	\$0.088	\$0.004	0.00	0.00	\$0.30	\$0.30	77.54%	2	1,000	1	100	99%	100%	100%	3	18,137	\$1,500	\$3,000	0	1,814	\$150	\$300	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	CFL Pk Based	Pk Based CFL	36	4,540	Standard	100	4,540	30,30	\$3	\$0	\$11.40	0.068	24%	0.54	0.41	24	\$0.008	\$0.000	0.07	0.06	0	\$0.50	77.54%	60	400	60	400	99%	100%	100%	23	137,462	\$1,100	\$4,580	23	137,462	\$1,100	\$4,580	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	Occupancy Sensor - Photocell	Lighting Fixture with Photocell	170	4,540	Lighting Fixture with Manual Switch	360	4,540	6	\$25	\$0	\$60.00	0.068	38%	2.36	1.45	424	\$0.059	\$0.007	0.09	0.08	\$0.30	\$1.00	77.54%	2	100	2	100	99%	100%	100%	8	44,984	\$2,500	\$6,500	8	44,984	\$2,500	\$6,500	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting - Local Automatic Controls	Wall mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	60	4,540	Lighting Fixture with Manual Switch	120	4,540	6	\$15	\$0	\$30	0.068	27%	4.93	3.59	171	\$0.088	\$0.011	0.04	0.03	\$0.30	\$0.44	77.54%	8	500	8	500	99%	100%	100%	16	90,908	\$7,500	\$27,500	16	90,908	\$7,500	\$27,500	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting - Local Automatic Controls	Wall mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	400	4,540	Lighting Fixture with Manual Switch	940	4,540	6	\$25	\$0	\$50	0.068	45%	0.96	0.53	876	\$0.029	\$0.004	0.19	0.16	\$0.30	\$2.25	77.54%	5	300	5	300	96%	100%	100%	48	279,503	\$7,500	\$16,500	48	279,503	\$7,500	\$16,500	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting - Local Automatic Controls	Ceiling mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	60	4,540	Lighting Fixture with Manual Switch	120	4,540	6	\$30	\$0	\$100	0.068	24%	11.21	8.52	171	\$0.175	\$0.022	0.04	0.03	\$0.30	\$0.44	77.54%	5	500	5	500	99%	100%	100%	16	90,908	\$15,000	\$62,500	16	90,908	\$15,000	\$62,500	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting - Local Automatic Controls	Ceiling mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	400	4,540	Lighting Fixture with Manual Switch	940	4,540	6	\$40	\$0	\$125.00	0.068	32%	2.19	1.49	876	\$0.046	\$0.006	0.19	0.16	\$0.30	\$2.25	77.54%	2	500	2	500	99%	100%	100%	79	464,872	\$20,000	\$62,500	79	464,872	\$20,000	\$62,500	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting - Local Automatic Controls	Railroad Fixture with Integral Occupancy Sensor	Railroad Fixture with Integral Occupancy Sensor	7	4,540	Railroad Lighting Fixture	71	4,540	12	\$75	\$0	\$200.00	0.059	25%	18.62	14.06	291	\$0.257	\$0.018	0.06	0.05	\$0.30	\$0.70	77.54%	5	200	5	200	98%	100%	100%	11	61,810	\$15,000	\$61,201	11	61,810	\$15,000	\$61,201	CO-BUS FLAT												
Lighting Efficiency	Prescriptive Retrofit Lighting	Integrated Occupancy Sensor	Lighting System with Occupancy Sensor	39	9,100	Lighting Fixture with Manual Switch	94	9,100	9,100	\$20	\$0	\$107.50	0.068	53%	3.86	1.80	148	\$0.137	\$0.017	0.02	0.02	\$0.30	\$0.10	99.70%	20	800	20	800	99%	100%	100%	12	124,284	\$14,000	\$30,000	12	124,284	\$16,000	\$30,000	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	Integrated Photocell	Lighting System with Integrated Photocell	94	9,100	Lighting Fixture with Manual Switch	90	9,100	9,100	\$8	\$0	\$14.50	0.068	64%	6.43	1.23	44	\$0.154	\$0.002	0.02	0.02	\$0.30	\$0.50	99.50%	6	600	6	600	99%	100%	100%	10	98,326	\$4,800	\$7,500	11	108,199	\$6,300	\$6,300	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	Integrated Occupancy & Photo Cell Sensor	Lighting System with Occupancy & Photo Sensor	50	9,100	Lighting Fixture with Manual Switch	90	9,100	9,100	\$28	\$0	\$50.00	0.068	58%	4.59	2.02	186	\$0.169	\$0.021	0.02	0.02	\$0.30	\$0.50	99.96%	6	2,000	6	2,000	99%	100%	100%	36	352,306	\$56,000	\$100,000	36	352,306	\$56,000	\$100,000	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Exit Sign	LED	1	6,760	Standard	35	6,760	30,30	\$25	\$0	\$50.00	0.059	30%	4.69	3.26	297	\$0.084	\$0.004	0.03	0.04	\$0.30	\$0.50	100.00%	50	1,250	50	1,250	99%	100%	100%	45	303,544	\$31,250	\$102,506	45	303,544	\$31,250	\$102,506	CO-BUS FLAT												
Lighting Efficiency	Prescriptive Retrofit Lighting	TS Low Wattage Lamps	TS Low Wattage Lamps	71	4,540	TS 100W Lamp	96	4,540	30,30	\$7	\$0	\$14.00	0.068	30%	2.41	1.51	20	\$0.091	\$0.006	0.01	0.01	0	0	77.54%	40	30,000	40	30,000	99%	100%	100%	100	925,164	\$45,000	\$100,000	100	925,164	\$45,000	\$100,000	CO-BUS FLAT												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Midstream Interior Lamps	LED Lamp	14	4,540	Standard Incandescent or CFL Lamp	90	4,540	30,30	\$8	\$0	\$14.44	0.059	60%	3.31	1.31	83	\$0.113	\$0.021	0.02	0.01	\$0.30	\$0.21	63.59%	1,036	250,802	1,036	263,340	92%	100%	100%	2,884	20,402,871	\$2,334,900	\$3,872,340	3,008	21,422,805	\$2,451,845	\$4,066,967	CO-BUS FLAT												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Interior Fixture	LED Downlight Fixture	45	4,540	Standard Fixture	80	4,540	30,30	\$49	\$0	\$186.90	0.068	26%	16.25	13.54	159	\$0.308	\$0.015	0.03	0.03	\$0.30	\$0.41	77.54%	2	110	5	110	99%	100%	100%	3	18,536	\$5,350	\$20,741	3	18,536	\$5,350	\$20,741	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Exterior Wall Pack	LED Wall Pack Fixture	32	4,540	HBI Wall Pack Fixture	340	4,540	30,30	\$72	\$0	\$209.43	0.068	21%	5.62	4.46	822	\$0.079	\$0.004	0.19	0.00	\$0.30	\$0.30	9.00%	16	1,850	16	1,850	99%	100%	100%	0	1,810,189	\$134,000	\$648,293	0	1,810,189	\$134,000	\$648,293	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Parking Garage Wall Pack	LED Wall Pack Fixture	38	6,760	HBI Wall Pack Fixture	187	6,760	30,30	\$60	\$0	\$204.64	0.059	17%	4.81	3.83	1,303	\$0.046	\$0.002	0.15	0.16	\$0.30	\$0.30	100.00%	4	225	4	225	99%	100%	100%	36	311,072	\$13,500	\$79,793	36	311,072	\$13,500	\$79,793	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Outdoor Canopy Lighting	LED Canopy Fixture	72	4,540	HBI Canopy Fixture	328	4,540	30,30	\$113	\$0	\$206.78	0.044	33%	6.17	4.13	1,256	\$0.004	\$0.004	0.26	0.00	\$0.30	\$0.30	100.00%	9	400	9	400	95%	100%	100%	0	533,021	\$135,913	\$45,000	0	533,021	\$45,000	\$135,913	CO-BUS RECON OUT												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Parking Garage Lighting	LED Parking Garage Fixture	47	6,760	HBI Fixture	190	6,760	30,30	\$138	\$0.50	\$266.27	0.059	38%	4.46	2.91	1,322	\$0.104	\$0.005	0.15	0.16	\$0.30	\$0.30	100.00%	8	2,500	8	2,500	99%	100%	100%	403	3,033,282	\$345,000	\$915,675	403	3,033,282	\$345,000	\$915,675	CO-BUS FLAT												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Ref and Fix Cases 5' or 6' doors	LED Strip Lighting	51	6,760	TS or T12	130	6,760	30,30	\$45	\$0	\$165.75	0.059	27%	3.60	2.61	771	\$0.058	\$0.003	0.09	0.09	\$0.30	\$0.30	100.00%	20	500	20	1,000	99%	100%	100%	407	409,203	\$22,500	\$81,875	93	818,407	\$45,000	\$163,750	CO-BUS FLAT												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Street Lighting	LED Fixture	126	4,540	HBI Fixture	314	4,540	30,30	\$79	\$0	\$205.71	0.044	14%	13.97	12.00	914	\$0.086	\$0.004	0.19	0.00	\$0.30	\$0.50	9.00%	6	65	6	65	99%	100%	100%	0	63,034	\$5,125	\$26,381	0	63,034	\$5,125	\$26,381	CO-BUS RECON OUT												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Area Lighting	LED Fixture	120	4,540	HBI Fixture	412	4,540	30,30	\$143	\$0	\$206.78	0.044	22%	10.33	8.01	1,466	\$0.102	\$0.055	0.29	0.00	\$0.30	\$0.50	9.00%	15	1,100	15	1,100	99%	100%	100%	0	1,040,907	\$157,500	\$700,433	0	1,040,907	\$157,500	\$700,433	CO-BUS RECON OUT												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Troffer Fixture	LED Troffer Fixture	60	4,540	Fluorescent Fixture	108	4,540	30,30	\$50	\$0	\$204.78	0.068	22%	14.77	11.37	240	\$0.208	\$0.010	0.05	0.04	\$0.30	\$0.60	77.54%	3	7,000	3	16,000	99%	100%	100%	305	1,794,193	\$350,000	\$1,816,445	405	2,548,847	\$500,000	\$2,307,867	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Troffer Retrofit	LED Troffer Fixture - Retrofit Kit	51	4,540	Fluorescent Fixture	101	4,540	30,30	\$30	\$0	\$165.66	0.068	18%	11.10	9.09	250	\$0.131	\$0.007	0.05	0.04	\$0.30	\$0.50	77.54%	3	1,500	3	1,500	99%	100%	100%	62	365,239	\$45,000	\$246,479	62	365,239	\$45,000	\$246,479	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	T12 LED Troffer Fixture	LED Troffer T12 Fixture - Retrofit Kit	49	4,540	Fluorescent Fixture	90	4,540	30,30	\$50	\$0	\$119.26	0.068	42%	9.89	5.74	165	\$0.270	\$0.013	0.04	0.03	\$0.30	\$0.40	77.54%	2	100	2	500	99%	100%	100%	3	19,672	\$5,000	\$11,926	17	96,360	\$25,000	\$59,831	CO-BUS LIGHTING												
Lighting Efficiency	Prescriptive Retrofit Lighting	LED Troffer T12 Retrofit	LED Troffer T12 Fixture	53	4,540	Fluorescent Fixture	92	4,540	30,30	\$30	\$0	\$175.11	0.068	17%	14.91	12.33	178	\$0.168	\$0.008	0.04	0.03	\$0.30	\$0.46	77.54%	2	100	2	100	99%	100%	100%	3	18,933	\$3,000																		