

Program	Measure Description		Electric Product Detailed Technical Assumptions																				Program Forecast Inputs										Program Forecast Outputs										Measure Load Shape
	Electric Measure Group	Electric Measure Description	High Efficiency Product Assumptions		Baseline Product Assumptions		Economic Assumptions				Stipulated Output				Economic Assumptions		Technical Assumption		2017		2018		Stipulated Forecast Inputs		2017				2018														
			Efficient Product Description / Rating	Efficient Product Consumpt (on watts)	Efficient Hours of Operation (hrs/yr)	Baseline Product Description / Rating	Baseline Product Consumpt (on 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 (%)	2017 Participants (-)	2017 Units (-)	2018 Participants (-)	2018 Units (-)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2017 NET Gen kW (kW)	2017 NET Gen kWh (kWh)	2017 Rebate Budget (\$)	2017 Incremental Costs (\$)	2018 NET Gen kW (kW)	2018 Rebate Budget (\$)	2018 Incremental Costs (\$)					
TOTAL			Fluorescent T8 Fixture with Low Lamps (L2-L1)	63	4,801	Fluorescent T8 Fixture with High Lamps (L2-L1)	114	4,801	20.00	\$12	\$0	\$43	0.068	28%	2.84	2.05	234	\$0.051	\$0.003	0.05	0.04	\$0.00	\$0.00	77.72%	2	67	2	67	89%	100%	100%	3	14,917	\$804	\$2,894	3	14,917	\$804	\$2,894	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	High Bay Fluorescent replacing HID	High Bay Fluorescents With Electronic Ballast	316	4,801	HID Fixture	549	4,801	20.00	\$49	\$0	\$221	0.068	22%	3.18	2.47	1,072	\$0.046	\$0.002	0.23	0.19	\$0.00	\$2.75	77.72%	6	13	6	13	89%	100%	100%	2	13,261	\$640	\$2,879	2	13,261	\$640	\$2,879	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	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	4,801	Standard Ballast	98	4,801	20.00	\$2	\$18	\$3	0.068	90%	2.86	1.23	17	\$0.087	\$0.004	0.00	0.00	\$0.00	\$0.04	77.72%	46	600	46	600	89%	100%	100%	2	9,887	\$900	\$1,800	2	9,887	\$900	\$1,800	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	CFL Fixt Based	Philcoest CFL	39	4,801	Fluorescent	102	4,801	20.00	\$3	\$0	\$11	0.068	24%	0.55	0.42	313	\$0.009	\$0.000	0.07	0.06	\$0.00	\$0.86	77.72%	10	300	10	300	89%	100%	100%	10	89,304	\$800	\$3,371	10	89,304	\$800	\$3,371	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	Occupancy Sensor - Photocell	Lighting Fixture with Photocell	172	4,801	Lighting Fixture with Manual Switch	205	4,801	8.00	\$25	\$0	\$60	0.068	38%	2.33	1.43	429	\$0.058	\$0.007	0.09	0.08	\$0.00	\$1.10	77.72%	4	4	4	4	89%	100%	100%	0	1,635	\$100	\$260	0	1,635	\$100	\$260	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting - Local Automatic Controls	Wall mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	68	4,801	Lighting Fixture with Manual Switch	128	4,801	8.00	\$15	\$0	\$35	0.068	27%	4.87	3.54	174	\$0.086	\$0.011	0.04	0.03	\$0.00	\$0.40	77.72%	57	57	57	57	89%	100%	100%	2	9,416	\$855	\$3,135	2	9,416	\$855	\$3,135	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting - Local Automatic Controls	Wall mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	490	4,801	Lighting Fixture with Manual Switch	643	4,801	8.00	\$25	\$0	\$35	0.068	45%	0.95	0.52	887	\$0.028	\$0.004	0.19	0.16	\$0.00	\$2.28	77.72%	7	7	7	7	89%	100%	100%	1	5,913	\$175	\$385	1	5,913	\$175	\$385	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting - Local Automatic Controls	Ceiling mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	68	4,801	Lighting Fixture with Manual Switch	128	4,801	8.00	\$30	\$0	\$120	0.068	24%	11.07	8.41	174	\$0.173	\$0.022	0.04	0.03	\$0.00	\$0.40	77.72%	18	18	18	18	89%	100%	100%	1	2,974	\$540	\$2,250	1	2,974	\$540	\$2,250	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting - Local Automatic Controls	Ceiling mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	490	4,801	Lighting Fixture with Manual Switch	643	4,801	8.00	\$40	\$0	\$120	0.068	32%	2.17	1.47	887	\$0.045	\$0.006	0.19	0.16	\$0.00	\$2.28	77.72%	5	5	5	5	89%	100%	100%	1	4,224	\$200	\$625	1	4,224	\$200	\$625	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting - Local Automatic Controls	Stairwell Fixture with Integral Occupancy Sensor	Stairwell Fixture with Integral Occupancy Sensor	7	4,801	Stairwell Lighting Fixture	71	4,801	14.40	\$75	\$0	\$106	0.059	25%	18.39	13.88	295	\$0.254	\$0.018	0.06	0.05	\$0.00	\$0.76	77.72%	1	10	1	10	89%	100%	100%	0	2,808	\$795	\$3,060	0	2,808	\$795	\$3,060	CO-BUS-FLAT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	Integrated Occupancy Sensor	Lighting System with Occupancy Sensor	58	5,102	Lighting Fixture - Manual Switch	64	5,102	8.00	\$20	\$0	\$38	0.068	53%	3.86	1.80	146	\$0.137	\$0.017	0.02	0.02	\$0.00	\$0.16	89.79%	3	3	3	3	89%	100%	100%	0	417	\$60	\$113	0	417	\$60	\$113	CO-BUS-FLAT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	Integrated Photocell	Lighting System with Integrated Photocell	34	6,307	Lighting Fixture with Manual Switch	53	7,521	8.00	\$8	\$0	\$13	0.068	60%	1.24	0.49	154	\$0.049	\$0.006	0.02	0.02	\$0.00	\$0.30	86.83%	3	3	3	3	89%	100%	100%	0	439	\$23	\$38	0	439	\$23	\$38	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	Integrated Occupancy & Photo Cell Sensor	Lighting System with Occupancy & Photo Sensor	39	6,261	Lighting Fixture with Manual Switch	59	6,914	8.00	\$28	\$0	\$39	0.068	98%	4.80	2.60	188	\$0.189	\$0.021	0.02	0.02	\$0.00	\$0.04	89.88%	3	3	3	3	89%	100%	100%	0	473	\$94	\$190	0	473	\$94	\$190	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Exit Sign	LED	1	6,760	Fluorescent	32	9,760	20.00	\$25	\$0	\$22	0.068	30%	3.26	2.07	207	\$0.084	\$0.004	0.03	0.04	\$0.00	\$0.00	100.00%	64	568	64	568	89%	100%	100%	18	160,429	\$14,200	\$45,578	18	160,429	\$14,200	\$45,578	CO-BUS-FLAT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	T8 Low Voltage Lamps	T8 Low Voltage Lamps	31	4,801	T8 30W Lamp	38	9,801	8.00	\$2	\$0	\$4	0.068	40%	1.98	1.18	31	\$0.051	\$0.006	0.01	0.01	\$0.00	\$0.08	77.72%	43	2,500	43	2,500	89%	100%	100%	13	74,670	\$4,000	\$10,000	13	74,670	\$4,000	\$10,000	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Direct Install	LED Interior Lamps	LED Lamp	13	4,801	Halogen or Incandescent	68	4,801	5.56	\$8	\$0	\$8	0.068	100%	0.48	-	243	\$0.032	\$0.008	0.05	0.04	\$0.00	\$0.62	77.72%	1,300	15,130	1,300	15,130	89%	100%	100%	598	3,538,927	\$117,750	\$17,750	598	3,538,927	\$117,750	\$17,750	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Midstream Interior Lamps	LED Lamp	14	4,801	Incandescent or CFL Lamp	43	9,801	5.56	\$12	\$0	\$17	0.068	69%	1.97	0.61	136	\$0.089	\$0.016	0.03	0.02	\$0.00	\$0.30	76.88%	876	51,650	876	51,650	92%	100%	100%	1,137	6,914,285	\$622,750	\$900,192	1,137	6,914,285	\$622,750	\$900,192	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Interior Fixture	LED Downlight Luminaire	22	4,801	Incandescent Luminaire	55	4,801	20.00	\$55	\$0	\$103	0.068	34%	10.33	6.87	153	\$0.229	\$0.011	0.03	0.03	\$0.00	\$0.38	77.72%	19	444	19	444	89%	100%	100%	11	64,872	\$16,800	\$45,778	11	64,872	\$16,800	\$45,778	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Exterior Wall Pack	LED Wall-Pack Fixture	60	4,803	HID Wall-Pack Fixture	280	4,803	20.00	\$73	\$0	\$231	0.044	20%	8.47	6.87	1,008	\$0.073	\$0.004	0.21	0.00	\$0.00	\$0.00	9.90%	68	422	77	464	89%	100%	100%	0	405,072	\$30,880	\$108,114	0	405,072	\$30,880	\$108,114	CO-BUS-RECM_OUT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Parking Garage Wall Pack	LED Wall-Pack Fixture	60	6,760	HID Wall-Pack Fixture	275	6,760	20.00	\$75	\$0	\$937	0.068	17%	3.96	3.98	1,873	\$0.140	\$0.002	0.21	0.23	\$0.00	\$0.00	100.00%	5	17	5	17	89%	100%	100%	3	30,201	\$1,375	\$7,436	3	30,201	\$1,375	\$7,436	CO-BUS-FLAT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Outdoor Canopy Lighting	LED Fixture	28	4,803	HID Fixture	428	4,803	20.00	\$107	\$0	\$231	0.044	37%	4.67	2.95	1,815	\$0.076	\$0.004	0.33	0.00	\$0.00	\$0.00	1.00%	21	338	21	338	89%	100%	100%	0	519,542	\$41,300	\$111,789	0	519,542	\$41,300	\$111,789	CO-BUS-RECM_OUT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Parking Garage Lighting	LED Parking Garage Fixture	47	6,760	HID Fixture	188	6,760	20.00	\$158	\$0	\$386	0.068	38%	4.67	2.97	1,328	\$0.104	\$0.005	0.15	0.16	\$0.00	\$0.00	100.00%	7	248	7	248	89%	100%	100%	36	313,516	\$34,200	\$90,718	36	313,516	\$34,200	\$90,718	CO-BUS-FLAT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Ref and Fix Cases 9' or 8' doors	LED Strip Lighting	51	6,760	T8 or T12 Fluorescent	130	6,760	20.00	\$45	\$0	\$144	0.059	27%	3.80	2.81	771	\$0.058	\$0.003	0.09	0.09	\$0.00	\$0.00	100.00%	5	50	40	50	89%	100%	100%	4	36,713	\$2,250	\$8,188	4	36,713	\$2,250	\$8,188	CO-BUS-FLAT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Street Lighting	LED Fixture	117	4,803	HID Fixture	280	4,803	20.00	\$74	\$0	\$541	0.044	14%	15.43	13.32	799	\$0.092	\$0.005	0.16	0.00	\$0.00	\$0.00	6.00%	4	4	4	4	89%	100%	100%	0	3,044	\$295	\$2,163	0	3,044	\$295	\$2,163	CO-BUS-RECM_OUT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Area Lighting	LED Fixture	191	4,803	HID Fixture	880	4,803	20.00	\$161	\$0	\$797	0.044	20%	8.08	6.45	2,251	\$0.071	\$0.004	0.46	0.00	\$0.00	\$0.00	6.00%	23	191	23	191	89%	100%	100%	0	409,192	\$30,725	\$152,248	0	409,192	\$30,725	\$152,248	CO-BUS-RECM_OUT	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Troffer Fixture	LED Troffer Fixture	55	4,801	Fluorescent Fixture	108	4,801	20.00	\$50	\$0	\$231	0.068	22%	14.58	11.42	243	\$0.206	\$0.010	0.05	0.04	\$0.00	\$0.62	77.72%	50	3,500	50	3,500	89%	100%	100%	137	810,561	\$175,000	\$807,733	137	810,561	\$175,000	\$807,733	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	LED Troffer Retrofit	LED Troffer Fixture - Retrofit Kit	51	4,801	Fluorescent Fixture	101	4,801	20.00	\$50	\$0	\$198	0.068	19%	10.98	8.85	232	\$0.129	\$0.008	0.05	0.04	\$0.00	\$0.60	77.72%	50	880	50	880	89%	100%	100%	30	178,990	\$24,800	\$132,522	30	178,990	\$24,800	\$132,522	CO-BUS-LIGHTING	WUS		
Lighting - Small Business	Prescriptive Retrofit Lighting	T12 LED Troffer Fixture	LED Troffer T12 Fixture - Retrofit Kit	48	4,801	Fluorescent Fixture	90	4,801	20.00	\$60	\$0	\$119	0.068	42%	9.76	5.67	188	\$0.286	\$0.013	0.04.																							