					Electric Product				Detailed Technical Assumptions														Program Forecast Inputs				Stipulated Forecast Inputs				Program Forecast Output			rts			
	Measure Description		High Efficiency Produc	Baseline Product Assumptions			Economic Assumptions				Stipulated Output					Economic Assumptions Technical Assumption			2017 2018			018				2017				2018							
Program	Electric Measure Group	Electric Measure Description	Efficient Product Description /Rating	Efficient Product Hours of Consumpt Operation (watts) (hrs/yr)	Description /	t Baseline Bar Product Ho Consumpti Ope on (watts) (h	ours of Lifetime	Rebate Amount (\$)	Baseline Product Cost	cremental Cost of Efficient Product (\$)	Assumed Energy Cost (\$/kWh)	Rebate as a %	Payback Period Pay	remt'i Cost back Period tebate (yrs)	Annual stomer kWh Savings (kWh/yr)	ted Cost / st kWh d (\$/kWh) Sav	Rebated fetime cost Custo Cust KWh Savir ved (\$/kWh)	tomer kW ngs (kW)	rator Peak Savings (kW) (\$)	gs Energy C Savings	&M Coincidence (\$) Factor (%)	2017 Participants (-)	s 2017 Units (-)	2018 Participants (·)	2018 Units (+)		allation Realiz tate Ra (%) (%)		2017 NET Gen kWh (kWh)	2017 Rebate Budget (\$)	2017 Incremental Costs (\$)	2018 NET Gen kW (kW)	2018 NET Gen kWh (kWh)	2018 Rebate Budget (\$)	2018 Incremental Costs (\$)	Measure Load Shape	
ighting - Small Business Pre	escriptive Retrofit Lighting	T8 to T8 Optimization	Fluorescent T8 Fixture with Less Lamps (3,2,1)	63 4,601	Fluorescent T8 Fixture with More Lamps (4,3,2)	114 4	4,601 20.00	\$12	\$0	\$43	0.068	28%	2.84	2.05	234 \$	0.051	\$0.003	0.05	0.04 \$0.00	-\$0.6	77.72%	2	67	2	67	89% 1	00% 100	% 3	14,917	\$804	\$2,894	3	14,917	\$804	\$2,894	CO-BUS-LIGHTING	
hting - Small Business Pre	escriptive Retrofit Lighting	High Bay Fluorescent replacing HID	High Bay Flourescents With Electronic Ballasts	316 4,601	HID Fixture	549 4	4,601 20.00	\$49	\$0	\$221	0.068	22%	3.18	2.47	1,072	0.046	\$0.002	0.23	0.19 \$0.00	-\$2.7	77.72%	6	13	6	13	89% 1	00% 100	% 2	13,261	\$640	\$2,879	2	13,261	\$640	\$2,879	CO-BUS-LIGHTING	
ghting - Small Business Pre		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 4,601	Standard Ballast	98 4	4,601 20.00	\$2	\$18	\$3	0.068	50%	2.66	1.33	,				0.00 \$0.00	-\$0.0	77.72%	46	600	46	600	89% 1	00% 100	% 2	9,887	\$900	\$1,800	2	9,887	\$900	\$1,800	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	CFL Pin Based	Pin-Based CFL	34 4,601	Incandescent	102 4	4,601 20.00	\$3	\$0	\$11	0.068	24%	0.55	0.42					0.06 \$0.00	-\$0.8	77.72%	15	300	15	300	89% 1	00% 100	% 15	89,304	\$800	\$3,371	15	89,304	\$800	\$3,371	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	Occupancy Sensor - Photocell	Lighting Fixture with Photocell	172 4,601	Manual Switch	n 265 4	4,601 8.00	\$25	\$0	\$65	0.068	38%	2.33	1.43					0.08 \$0.00	-\$1.10	77.72%	4	4	4	4	89% 1	00% 100	0	1,635	\$100	\$260	0	1,635	\$100	\$260	CO-BUS-LIGHTING	
Aut	escriptive Retrofit Lighting - Local stomatic Controls	Wall mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Sensor	88 4,601	Manual Switch	n 126 4	4,601 8.00	\$15	\$0	\$55	0.068	27%	4.87	3.54	174 \$	0.086	\$0.011	0.04	0.03 \$0.00	-\$0.4	77.72%	57	57	57	57	89% 1	00% 100	% 2	9,416	\$855	\$3,135	2	9,416	\$855	\$3,135	CO-BUS-LIGHTING	
Aut	escriptive Retrofit Lighting - Local stomatic Controls	Wall mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	450 4,601	Manual Switch	h 643 4	4,601 8.00	\$25	\$0	\$55	0.068	45%	0.95	0.52	887 \$	0.028	\$0.004	0.19	0.16 \$0.00	-\$2.2	77.72%	7	7	7	7	89% 1	00% 100	% 1	5,913	\$175	\$385	1	5,913	\$175	\$385	CO-BUS-LIGHTING	
hting - Small Business Aut	escriptive Retrofit Lighting - Local stomatic Controls	Ceiling mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	88 4,601	Lighting Fixture with Manual Switch	h 126 4	4,601 8.00	\$30	\$0	\$125		24%	11.07	8.41	174 \$	0.173	\$0.022	0.04	0.03 \$0.00	-\$0.4	77.72%	18	18	18	18	89% 1	00% 100	% 1	2,974	\$540	\$2,250	1	2,974	\$540	\$2,250	CO-BUS-LIGHTING	
ing - Small Business Pre	escriptive Retrofit Lighting - Local stomatic Controls	Ceiling mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	450 4,601	Lighting Fixture with Manual Switch	h 643 4	4,601 8.00	\$40	\$0	\$125	0.068	32%	2.17	1.47	887 \$	0.045	\$0.006	0.19	0.16 \$0.00	-\$2.2	77.72%	5	5	5	5	89% 1	00% 100	% 1	4,224	\$200	\$625	1	4,224	\$200	\$625	CO-BUS-LIGHTING	
hting - Small Business Au	escriptive Retrofit Lighting - Local utomatic Controls	Stairwell Fixture with Integral Occupancy Sensor	Stainwell Fixture with Integral Occupancy Sensor	7 4,601	Stairwell Lighting Fixture	71 4	4,601 14.40	\$75	\$0	\$306	0.059	25%	18.39	13.88	295	0.254	\$0.018	0.06	0.05 \$0.00	-\$0.7	77.72%	1	10	1	10	89% 1	00% 100	% 0	2,808	\$750	\$3,060	0	2,808	\$750	\$3,060	CO-BUS-FLAT	
	escriptive Retrofit Lighting	Integrated Occupancy Sensor	Lighting System with Occupancy Sensor	38 8,102	Lighting Fixture - Manual Switch	54 8	8,387 8.00	\$20	\$0	\$38	0.068	53%	3.86	1.80	146 \$	0.137	\$0.017	0.02	0.02 \$0.00	-\$0.1	i 89.79%	3	3	3	3	89% 1	00% 100	% 0	417	\$60	\$113	0	417	\$60	\$113	CO-BUS-LIGHTING	
nting - Small Business Pre	escriptive Retrofit Lighting	Integrated Photocell	Lighting System with Integrated Photocell	34 6,357	Lighting Fixture - Manual Switch	53 7	7,021 8.00	\$8	\$0	\$13	0.068	60%	1.24	0.49	154 \$	0.049	\$0.006	0.02	0.02 \$0.00	-\$0.3	86.63%	3	3	3	3	89% 1	00% 100	% 0	439	\$23	\$38	0	439	\$23	\$38	CO-BUS-LIGHTING	
nting - Small Business Pre	escriptive Retrofit Lighting	Integrated Occupancy & Photo Cell Sensor	Lighting System with Occupancy & Photo Sensor	32 6,251	Lighting Fixture - Manual Switch	53 6	6,914 8.00	\$28	\$0	\$50	0.068	56%	4.60	2.02	166 \$	0.169	\$0.021	0.02	0.02 \$0.00	-\$0.3	86.08%	3	3	3	3	89% 1	00% 100	% 0	473	\$84	\$150	0	473	\$84	\$150	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting escriptive Retrofit Lighting	LED/LEC Exit Sign T8 Low Wattage Lamps	LED T8 Low Wattage Lamps	1 8,760 31 4,601	Incandescent T8 32W Lamo	35 8 38 4	8,760 20.00 4.601 8.00	\$25 \$2	\$0 \$0	\$82 \$4	0.059 0.068	30% 40%	4.69 1.96						0.04 \$0.00 0.01 \$0.00	\$0.00 -\$0.0	100.00%	64 43	568 2,500	64 43	568 2,500	89% 1 89% 1	00% 100 00% 100		160,439 74,670	\$14,200 \$4,000	\$46,579 \$10,000	18	160,439 74,670	\$14,200 \$4,000	\$46,579 \$10,000	CO-BUS-FLAT CO-BUS-LIGHTING	
ng - Small Business Dir		LED Interior Lamps	LED Lamp	13 4,601	Halogen or Incandescent	66 4	4,601 5.56	\$8	\$0	\$8	0.068	100%	0.49						0.04 \$0.00	-\$0.6	77.72%	1,300	15,130	1,300	15,130	90% 1	00% 100	% 598	3,538,927	\$117,750	\$117,750	598	3,538,927	\$117,750	\$117,750	CO-BUS-LIGHTING	
g - Small Business Pre	escriptive Retrofit Lighting	LED Midstream Interior Lamps	LED Lamp	14 4,637	Halogen, Incandescent, or CFL Lamp	43 4	4,637 5.70	\$12	\$6	\$17		69%	1.97	0.61	136	0.089	\$0.016	0.03	0.02 \$0.00	-\$0.3	76.26%	876	51,650	876	51,650	92% 1	00% 100	% 1,137	6,914,285	\$622,750	\$900,192	1,137	6,914,285	\$622,750	\$900,192	CO-BUS-LIGHTING	
g - Small Business Pre	escriptive Retrofit Lighting	LED Interior Fixture	LED Downlight Luminaire	22 4,601	Incandescent Luminaire	55 4	4,601 20.00	\$35	\$0	\$103	0.068	34%	10.33	6.81	153	0.229	\$0.011	0.03	0.03 \$0.00	-\$0.3	77.72%	19	444	19	444	89% 1	00% 100	% 11	64,872	\$15,600	\$45,778	11	64,872	\$15,600	\$45,778	CO-BUS-LIGHTING	
g - Small Business Pre	escriptive Retrofit Lighting	LED Exterior Wall Pack	LED Wall Pack Fixture	60 4,903	HID Wall Pack Fixture	266 4	4,903 20.00	\$73	\$0	\$375	0.044	20%	8.47	6.81	1,008	0.073	\$0.004	0.21	0.00 \$0.00	\$0.00	0.00%	68	422	77	464	89% 1	00% 100	% 0	405,072	\$30,990	\$158,114	0	445,580	\$34,089	\$173,926	CO-BUS-RECM_OUT	
	escriptive Retrofit Lighting	LED Parking Garage Wall Pack	LED Wall Pack Fixture	60 8,760	HID Wall Pack Fixture	273 8	8,760 20.00	\$75	\$0	\$437	0.059	17%	3.96	3.28		0.040			0.23 \$0.00	\$0.00	100.00%	5	17	5	17	89% 1			30,301	\$1,275	\$7,436	3	30,301	\$1,275	\$7,436 \$111.799	CO-BUS-FLAT	
g - Small Business Pre g - Small Business Pre	escriptive Retrofit Lighting escriptive Retrofit Lighting	LED Outdoor Canopy Lighting LED Parking Garage Lighting	LED Fixture LED Parking Garage Fixture	96 4,903 47 8,760	HID Fixture	426 4 198 8	4,903 20.00 8,760 20.00	\$122 \$138	\$0 \$0	\$331 \$366	0.044 0.059	37% 38%	4.67 4.67	2.95	1,615	0.076			0.00 \$0.00 0.16 \$0.00	\$0.00 \$0.00	0.00%	21 7	338 248	7	338 248	89% 1	00% 100 00% 100		519,642 313,516	\$41,300 \$34,200	\$111,799 \$90,718	0 36	519,642 313,516	\$41,300 \$34,200	\$111,799 \$90,718	CO-BUS-RECM_OUT CO-BUS-FLAT	
	escriptive Retrofit Lighting	LED Ref and Frz Cases 5' or 6' doors	LED Strip lighting	51 8,760	T8 or T12 Fluorescent	139 8	8,760 20.00	\$45	\$0	\$164	0.059	27%	3.60						0.09 \$0.00	\$0.00	100.00%	5	50	40	50	89% 1	00% 100	% 4	36,713	\$2,250	\$8,188	4	36,713	\$2,250	\$8,188	CO-BUS-FLAT	
	escriptive Retrofit Lighting	LED Street Lighting	LED Fixture	117 4,903	HID Fixture	280 4	4,903 20.00	\$74	\$0	\$541	0.044	14%	15.43						0.00 \$0.00	\$0.00	0.00%	4	4	4 22	4		00% 100	% 0	3,044	\$295	\$2,163	0	3,044	\$295	\$2,163	CO-BUS-RECM_OUT	
	escriptive Retrofit Lighting escriptive Retrofit Lighting	LED Area Lighting LED Troffer Fixture	LED Fixture	191 4,903	HID Fixture	650 4	4,903 20.00	\$161 \$50	\$0	\$797	0.044	20%	8.08	6.45					0.00 \$0.00	\$0.00	0.00%	23	191 3,500	23	191 3,500	0570	00% 100	% 0	409,192 810.561	\$30,725 \$175,000	\$152,248 \$807.733	137	409,192 810,561	\$30,725 \$175,000	\$152,248 \$807.733	CO-BUS-RECM_OUT CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	LED Troffer Retrofit	LED Troffer Sixture - Petrofit Kit	51 4501	Electronic Section	0 100 4	4,601 20.00	\$30	\$0	\$166	0.068	10%	10.96	9.07					0.04 \$0.00	-\$0.6	77.72%	50	800	50	800		00% 100	% 30	176,990	\$24,000	\$132,522	30	176,990	\$24,000	\$132,522	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	T12 LED Troffer Fixture	LED Troffer T12 Fixture -	49 4,601	Fluorescent Fixture	90 4	4.601 20.00	\$50	\$51	\$100	0.068	42%	9.76	5.67					0.03 \$0.00	-\$0.4	77.72%	3	3	3	3		00% 100	% 0	536	\$150	\$132,522	0	536	\$150	\$358	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	T12 LED Troffer Retrofit	Retrofit Kit LED Troffer T12 Fixture	53 4,601	Fluorescent Fixture	e 92 4	4,601 20.00	\$30	\$51	\$173	0.068	17%	14.73	12.17					0.03 \$0.00	-\$0.4	77.72%	3	3	3	3		00% 100	% 0	516	\$90	\$519	0	516	\$90	\$519	CO-BUS-LIGHTING	
- Small Business Pre	escriptive Retrofit Lighting	LED High Bay Fixture	LED High Bay Fixture	281 4,601	HID Fixture	540 4	4,601 20.00	\$154	\$0	\$640	0.068	24%	8.25	6.26	1,192	0.130	\$0.006	0.26	0.22 \$0.00	-\$3.0	77.72%	60	102	60	102	89% 1 89% 1			115,716	\$15,750	\$65,266	20	115,716	\$15,750	\$65,266	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting escriptive Retrofit Lighting	LED High Bay Retrofit Kit LED Tubes (Linear Lamps)	LED High Bay Retrofit Kit	266 4,601 19 4,601	Fluorescent Lamos	501 4 s 30 4	4,601 20.00 4,601 14.95	\$51 \$4	\$0 \$2	\$400 \$14	0.068 0.068	13%	5.70 4.32	4.98 3.26	1,078	0.047			0.19 \$0.00	-\$2.7 -\$0.1	77.72%	28	182	30	182		00% 100 00% 100	% 32 % 2	186,796 14,452	\$9,220 \$1,050	\$72,809 \$4,269	32 2	186,796 14,452	\$9,220 \$1,050	\$72,809 \$4,269	CO-BUS-LIGHTING CO-BUS-LIGHTING	
- Small Business Cu:		Custom Lighting Project	High Efficiency Lighting	4,537 3,898	Existing Lower	14,860 3	3,898 16.94	\$5,495	\$1,569	\$12,110	0.068	45%	4.65	2.54					6.69 \$0.00	-\$113	14 60.63%	30	100	30	100		00% 100	% 596	3,830,126	\$549,530	\$1,210,999	596	3,830,126	\$549,530	\$1,210,999	CO-BUS-LIGHTING	
g - Small Business Dire		Sink Aerator -restroom, elec water heating (per aerator)	.6 gallons per minute restroom	84 8,760	2.2 galors per	306 8	8,760 10.00	\$7	\$0	\$7	0.068	100%	0.03						0.00 \$94.26	\$0.00	2.08%	90	90	90	90		00% 100	% 0	167,156	\$603	\$603	0	167,156	\$603	\$603	CO-BUS-LIGHTING	
- Small Business Dir		Sink Aerator -kitchen, elec water heating (per aerator)	1.5 gallons per minute kitchen	70 8,760	2.2 gallons per	102 8	8,760 10.00	\$7	\$0	\$7	0.068	100%	0.20						0.00 \$13.75	\$0.00	0.69%	10	10	10	10	89% 1	00% 100	% 0	2,709	\$67	\$67	0	2,709	\$67	\$67	CO-BUS-LIGHTING	
g - Small Business Cu:		Lighting Control System	Lighting Control System	0 8,433	Manual Lighting Controls	2,647 8	8,433 15.00	\$1,579	\$0	\$6,632	0.068	24%	3.78	2.88					0.11 \$0.00	\$245.6	3 3.99%	2	2	2	2		00% 100	% 0	42,499	\$3,158	\$13,263	0	42,499	\$3,158	\$13,263	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	LED Screw-in Lamps, HID Replacement	LED High Bay Replacement Lamp	146 4,601	HID Fixture	285 4	4,601 9.52	\$50	\$11	\$178	0.068	28%	4.28	3.09	639	0.078	\$0.008	0.14	0.12 \$0.00	-\$1.6	77.72%	10	150	10	150	89% 1	00% 100	% 15	91,218	\$7,450	\$26,704	15	91,218	\$7,450	\$26,704	CO-BUS-LIGHTING	
- Small Business Pre	escriptive Retrofit Lighting escriptive Retrofit Lighting	LED PL/G based CFL Replacement lamp	LED Plug In Lamp	21 4,601	CFL lamp	47 4	4,601 12.00	\$7 \$30	\$1	\$20	0.068 0.068	35%	2.62	1.70	117	0.060	\$0.005	0.03	0.02 \$0.00 0.05 \$0.00	-\$0.3	77.72%	10	500	10	500	89% 1	00% 100	% 9	55,740 239,864	\$3,500	\$9,971 \$144.102	9	55,740 479 727	\$3,500	\$9,971 \$288.205	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	LED Troffer Fixture (CFL Baseline) LED Troffer Fixture (T12 Baseline)	LED Troffer Fixture	55 4,601	T12 Fluorescent	155 4	4,601 20.00	\$30	\$0	\$144	0.068	30%	7.71	5.37	460	0.119			0.08 \$0.00	-\$0.5	77.72%	15	2,500	15	2,500	89% 1	00% 100	% 185	1,094,590	\$175,000	\$144,102 \$576,952	185	1,094,590	\$175,000	\$288,205 \$576,952	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	LED Troffer Retrofit (T12 Baseline)	LED Troffer Fixture - Retrofit Kit	51 4,601	T12 Fluorescent	151 4	4,601 20.00	\$50	\$0	\$166	0.068	30%	5.53						0.08 \$0.00	-\$1.1	77.72%	15	1,500	15	1,500		00% 100	% 111	657,375	\$75,000	\$248,479	111	657,375	\$75,000	\$248,479	CO-BUS-LIGHTING	
ng - Small Business Pre	escriptive Retrofit Lighting	LED Tubes (Linear Lamps) (T12 Baseline)	LED Tubes (Linear Lamps)	20 4,601	T12 Fluorescent	57 4	4,601 14.95	\$5	S1	\$22	0.068	20%	2.01	1.60	168	0.027			0.03 \$0.00	-\$0.4	77.72%	45	4,000	45	4,000	89% 1	00% 100	% 108	641,171	\$18,000	\$87,960	108	641,171	\$18,000	\$87,960	CO-BUS-LIGHTING	
ing - Small Business Pre	escriptive Retrofit Lighting	LED Ref and Frz Cases 5' or 6' doors (T12 Baseline)	LED Strip lighting	51 8,760	T12 Fluorescent	160 8	8,760 20.00	\$55	\$0	\$164	0.068	34%	2.54	1.69	952	0.058	\$0.003	0.11	0.12 \$0.00	\$0.00	100.00%	20	950	20	800	89% 1	00% 100	% 98	860,666	\$52,250	\$155,563	83	724,771	\$44,000	\$131,000	CO-BUS-LIGHTING	
	escriptive Retrofit Lighting	LED Linear Ambient (T12 Baseline)	LED Linear Ambient Fixture	65 4,601	T12 Flourescent	135 4	4,601 20.00	\$56	\$11	\$223	0.068	25%	10.67	7.98	321	0.175			0.06 \$0.00	-\$0.8	77.72%	3	2,750	3	2,613	89% 1	00% 100	% 142	840,999	\$154,250	\$613,055	135	798,949	\$146,538	\$582,402	CO-BUS-LIGHTING	