	Measure Description	Electric Product Detailed Technical Assumptions										ipulated Output		Economic Assump	Technical	1016	Stipulated Forecast Inputs				
	measure description	High Enicknicy Pro	High Efficiency Product Assumptions Baseline Product Assumptions Economic Assumptions										ed Gross		Assumption	1016					
Electric Measure Group	Electric Measure Description	Efficient Product Description / Rating	Efficient Product Efficien Consumption (watts) Operation	t Hours of Baseline Product Description / Rating on (hrs/yr)	Baseline Product Consumption (watts)	Baseline Hours of Operation (hrs/yr)	Measure Lifetime (years)	Rebate Amount (\$)	t Average Baseline Product Cost (\$)	Incremental Cost of Efficient Product (\$)	Assumed Energy Cost (\$/kWh)	Rebate as a % of Incremental Cost (%) Rebate (you	Incremt1 Gro Cost Annua k Payback Period w/ Custe rs (yrs) (kWI		d Gross kW Saved at Customer per Unit (kW) kW	ent Energy Ene red O&M O& mer Savings Saving		2016 Participants (-)	2016 Units (·)	NTG (%)	Installation Ref (%)
TOTAL	T8 to T8 Optimization			-				\$12				39% 2.1	1.3 20		3 0.053 0.04						100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	T8 to T8 Optimization T8 Optimization 1 and 2 Lamp v2	T8 with less lamps T8 Lighting Systems	65 3, 69 3,	812 T8 with more lamps 812 T12 Fluorescents	118	3,812	20.00	\$10	\$0 \$0	\$30.90	\$ 0.079 \$ 0.079	39% 2.1 32% 2.1		\$0.051 \$0.00	3 0.051 0.04	\$0.65 \$0.0	00 72.46%	6	12,000	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	T8 Optimization 3 Lamp T8 Ballast, 2 ft to 4 ft., 1 and 2 Lamp / T8 Ballast, 2 ft to 4 ft., 3 and 4 Lamp	T8 Lighting Systems	112 3,	812 T12 Fluorescents	167	3,812	20.00	\$12 \$2	\$0 540	\$30.90	\$ 0.079	39% 2.0 50% 2.5	1.2 20	\$0.057 \$0.00	3 0.055 0.04 5 0.004 0.00	\$0.70 \$0.	00 72.46%	50	12,000 2,500	99%	100%
Prescriptive Retrofit Lighting	CFL ← 18W Pin Based	Pin-Based CFL	21 3,	812 Incandescent	104 84	4,052 3,812	20.00	\$20	\$18 \$0	\$38.18	\$ 0.079	50% 2.5 52% 2.1	1.0 24	\$0.083 \$0.00	4 0.063 0.04	\$0.81 \$0.0	0 72.46%	20	1,500	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	CFL 19-32W Pin Based CFL 33W+ Pin Based	Pin-Based CFL	44 3,	812 Incandescent	155	3,812	20.00	\$30 \$35	\$0 \$0	\$76.17	\$ 0.079	39% 2.4 34% 2.5		\$ \$0.071 \$0.00 4 \$0.063 \$0.00	4 0.111 0.08	\$1.42 \$0.0	0 72.46%	30	625 2,600	99%	100%
Prescriptive Retrofit Lighting	Parking Garages 2 - 3 Lamp Fluorescent	T8 or T5 Fluorescent	97 8,	760 150W Metal Halide or 175W Metal Halide	179	8,760	20.00	\$85	\$0	\$182.33	\$ 0.068	47% 3.7	2.0 72	9 \$0.093 \$0.00 9 \$0.093	5 0.082 0.08	\$ \$0.00 \$0.0	0 94.00%	14	2,200	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	*Pulse-Start Metal Halide, <= 175W *Pulse-Start Metal Halide, 176W-319W	Pulse Start Metal Halide Pulse Start Metal Halide	236 3, 260 3,	812 Metal Halide 812 Metal Halide	406 380	3,812	20.00	\$60 \$90	\$0 \$0	\$161.00 \$184.80	\$ 0.079 \$ 0.079	37% 3.3 49% 5.4	2.1 64 2.8 45	9 \$0.093 \$0.00 7 \$0.197 \$0.01 7 \$0.219 \$0.01	5 0.170 0.13 0 0.120 0.09	\$ -\$2.17 \$0.0 \$ -\$1.53 \$0.0	00 72.46% 00 72.46%	0	0	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	*Pulse-Start Metal Halido, 320W-749W *Pulse-Start Metal Halido, 750W+	Pulse Start Metal Halide	260 3,	812 Metal Halide	380	3,812	20.00	\$100 \$120	\$0	\$184.80	\$ 0.079	54% 5.4 31% 3.7	2.5 45	7 \$0.219 \$0.01 i3 \$0.089 \$0.00	1 0.120 0.09	\$1.53 \$0.0	72.46%	0	0	99%	100%
Prescriptive Retrofit Lighting	*HPS - 151 to 250W	Metal Halide	294 3,	812 Mercury Vapor, High Pressure Sodium	427	3,812	20.00	\$30	\$0 \$0	\$161.00	\$ 0.079	19% 4.2	3.5 50	5 \$0.059 \$0.00	3 0.132 0.10	-\$1.69 \$0.0	0 72.46%	0	0	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	"HPS - 251W+ High Bay Fluorescents 2-3L TSHO or 4L T8	Metal Halide High Bay Flungscent v= 200 watts	596 3, 190 3	812 Mercury Vapor, High Pressure Sodium 812 HID: 150, 175, 250W Lamp	1,411	3,812	20.00	\$45 \$85	\$0 \$0	\$253.00 \$189.53	\$ 0.079	18% 1.1 45% 3.7	0.9 3,1 2.0 68	90.014 \$0.00 30.125 \$0.00	1 0.815 0.63	\$ -\$10.42 \$0.0 \$ -\$2.28 \$0.0	00 72.46%	14	2,200	99%	100%
Prescriptive Retrofit Lighting	High Bay Fluorescents 3L T8VHO. 4-6L T5HO. 6-8L T8	High Bay Fluorescents <= 300 Watts	335 3,	812 HID: 320, 350, 400W Lamp	544	3,812	20.00	\$125 \$175	\$0	\$255.77	\$ 0.079	49% 4.3	2.2 79	8 \$0.157 \$0.00	8 0.209 0.16	\$2.67 \$0.0	0 72.46%	30	13,000	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	High Bay Fluorescents 6L T8VHO, 8L T5HO, 12-16L T8 High Bay Fluorescents 8L T8VHO, 10L T5HO, 18-20L T8	High Bay Fluorescents <= 610 Watts High Bay Fluorescents <= 900 Watts	598 3, 919 3,	812 HID: 750W Lamp 812 HID: 1000W Lamp	1,110	3,812	20.00	\$175	\$0 \$0	\$377.10 \$456.96	\$ 0.079 \$ 0.079	46% 2.6 38% 3.2		6 \$0.093 \$0.00	5 0.492 0.38		00 72.46%	10	1,400	99%	100%
Prescriptive Retrofit Lighting	Occupancy Sensor - Photocell	Lighting System with Photocell	180 3,	812 Lighting System without Photocell	278	3,812	20.00	\$25 \$8	\$0 50	\$65.00	\$ 0.079	38% 2.3 64% 1.6	1.4 37	\$0.067 \$0.000 4 \$0.077 \$0.010	3 0.098 0.07	\$1.25 \$0.0	0 72.46%	2	150 660	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting - Local Automatic Controls	Integrated Photocell Wall mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	39 4,	468 Lighting System without Occupancy Sensor	56	4,468	8.00	\$15	\$0 \$0	\$55.00	\$ 0.079	27% 9.7	7.1 79	\$0.199 \$0.02	5 0.017 0.013	\$0.26 \$0.0	0 72.46%	3	1,500	99%	100%
Prescriptive Retrofit Lighting - Local Automatic Controls Prescriptive Retrofit Lighting - Local Automatic Controls	Wall mount occupancy sensor - Greater than 300 Watts Controlled Load Ceiling mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	Lighting System with Occupancy Sensor	153 4,	468 Lighting System without Occupancy Sensor	219	4,468	8.00	\$25 \$30	\$0 \$0	\$55.00	\$ 0.079	45% 2.5 24% 10.5	1.4 29	3 \$0.085 \$0.01 9 \$0.188 \$0.02	1 0.066 0.05	-\$1.02 \$0.0 -\$0.55 \$0.0	0 72.46%	5	500 4,000	99%	100%
Prescriptive Retrofit Lighting - Local Automatic Controls	Ceiling mount occupancy sensor - Greater than 300 Watts Controlled Load	Lighting System with Occupancy Sensor	186 4,	468 Lighting System without Occupancy Sensor	265	4,468	8.00	\$40	\$0	\$125.00	\$ 0.079	32% 4.7	3.2 35	\$0.112 \$0.01-	4 0.080 0.060	-\$1.24 \$0.0	0 72.46%	2	2,000	99%	100%
Prescriptive Retrofit Lighting - Local Automatic Controls Prescriptive Retrofit Lighting	Stairwell Fixture with Integral Occupancy Sensor Integrated Occupancy Sensor	Stairwell Fixture with Integral Occupancy Sensor Lighting System with Occupancy Sensor	12 7, 42 7,	293 Fixture without an occupancy sensor 993 Lighting Fixture - Manual Switch	77 60	7,293 7,993	14.40 8.00	\$25 \$20	\$0 \$0	\$228.54 \$37.50	\$ 0.068 \$ 0.079	11% 7.4 53% 3.4	6.6 48 1.6 14	\$0.052 \$0.00 4 \$0.139 \$0.01	4 0.066 0.06 7 0.018 0.01	\$1.67 \$0.1 \$0.26 \$0.1	0 91.67%	5 20	400 792	99%	100%
Prescriptive Retrofit Lighting	Integrated Occupancy & Photo Cell Sensor	Lighting System with Occupancy & Photo Sensor	38 5,	988 Lighting Fixture - Manual Switch	62	5,988	8.00	\$28 \$26	\$0	\$50.00	\$ 0.079	56% 4.5	2.0 14	\$ \$0.190 \$0.02 0 \$0.066 \$0.00	4 0.025 0.02	-\$0.51 \$0.0	0 84.45%	6	528	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED/LEC Exit Sign T8 4" Lamps - 25 Watts	Low wattage T8 Lamp	28 3,	812 T8 32W Lamp	36	3,812	6.27	\$25 \$2	\$2	\$2.00	\$ 0.068	31% 3.2 100% 0.9	0.0 3	\$0.067 \$0.01	1 0.008 0.00	\$0.10 \$0.0	0 72.46%	54	2,500 70,000	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	T8 4' Lamps - 28 Watts Ceramic Metal Halide - Integrated 20W - 25W	Low wattage T8 Lamp	31 3,	812 T8 32W Lamp 812 Invandescent	36 69	3,812	6.27 7.00	\$1 \$25	\$2 \$0	\$2.00 \$57.00	\$ 0.079	50% 1.6 44% 5.4	0.8 17	\$0.059 \$0.00 9 \$0.179 \$0.02	9 0.004 0.00	\$0.06 \$0.0	00 72.46%	58	150,000	99%	100%
Prescriptive Retrofit Lighting	Ceramic Metal Halide <=150W	Ceramic Metal Halide	41 3,	812 Incandescent	155	3,812	20.00	\$50	\$0 \$0	\$201.79	\$ 0.079	25% 6.2	4.6 43	\$0.115 \$0.00	5 0.114 0.08	-\$1.46 \$0.0	0 72.46%	5	250	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	Ceramic Metal Halide 151-250W Ceramic Metal Halide 251W+	Ceramic Metal Halide Ceramic Metal Halide	291 3, 512 3.	812 Incandescent 812 Metal Halide	513 848	3,812	20.00	\$80 \$100	\$0 \$0	\$222.00 \$292.46	\$ 0.079 \$ 0.079	36% 3.5 34% 3.0	2.2 84 2.0 1.2	\$ \$0.095 \$0.000 4 \$0.078 \$0.00 5 \$0.155 \$0.01	5 0.222 0.17 4 0.337 0.26	\$2.83 \$0.0 \$4.30 \$0.0	00 72.46%	2	300 10	99%	100%
Prescriptive Retrofit Lighting	LED Interior Lamp - A Lamps	LED Lamp	14 2,	678 Halogen, Incandescent, or CFL Lamp	26	2,678	9.09	\$5	\$4	\$16.17	\$ 0.079	31% 6.4	4.4 3:	\$0.155 \$0.01	7 0.012 0.00	\$0.00 \$0.0	0 59.52%	300	15,000	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Interior Lamp - PAR20, R20 LED Interior Lamp - PAR30	LED Lamp LED Lamp	10 2, 16 2,	678 Halogen, Incandescent, or CFL Lamp 678 Halogen, Incandescent, or CFL Lamp	35 54	2,678	10.14	\$5 \$8	\$6 \$8	\$18.83 \$28.17	\$ 0.079 \$ 0.079	27% 3.7 28% 3.5	2.5 10	\$0.076 \$0.000 2 \$0.078 \$0.000	B 0.038 0.02	\$0.00 \$0.0	00 59.52%	100	5,000 5,000	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Interior Lamp - BR30	LED Lamp	14 2,	678 Halogen, Incandescent, or CFL Lamp	47	2,678	10.14	\$4 \$8	\$8	\$12.05	\$ 0.079	33% 1.7	1.2 8	\$0.046 \$0.00	4 0.033 0.02	\$0.00 \$0.	0 59.52%	100	2,500 5,000	99%	100%
Prescriptive Retrofit Lighting	LED Interior Lamp - PAR38 LED Interior Lamp - BR40	LED Lamp	19 2,	678 Halogen, Incandescent, or CFL Lamp	65	2,678	10.14	\$8 \$8	54 54	\$29.62	\$ 0.079	28% 2.7 27% 3.1	2.3 12	\$ \$0.059 \$0.00 2 \$0.066 \$0.00			0 59.52%	100	250	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Interior Lamp - PAR16 LED Interior Lamp - MR16	LED Lamp	8 2, 8 2	678 Halogen, Incandescent, or CFL Lamp 678 Halogen Incandescent or CFL Lamp	28	2,678	10.14	\$4 \$4	\$10 \$4	\$12.82 \$13.55	\$ 0.079 \$ 0.079	31% 3.1 30% 2.4	2.2 5	\$0.077 \$0.00 \$0.056 \$0.00	8 0.019 0.01	\$0.00 \$0.0	0 59.52%	100	5,000 3,500	99%	100%
Prescriptive Retrofit Lighting	LED Interior Lamp - GU10	LED Lamp	8 2,	678 Halogen, Incandescent, or CFL Lamp	23	2,678	10.14	\$5	\$2	\$16.53	\$ 0.079	30% 5.0	3.5 43	\$0.119 \$0.01	2 0.016 0.01	\$0.00 \$0.0	0 59.52%	100	4,000	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Interior Lamp - Decorative (B, BA, Candie) LED Interior Screw In Fixture Retrofit	LED Lamp LED Lamp	6 2, 19 2,	678 Halogen, Incandescent, or CFL Lamp 678 Halogen, Incandescent, or CFL Lamp	35 49	2,678	8.07 11.43	\$4 \$5	\$1 \$15	\$13.94 \$20.00	\$ 0.079 \$ 0.079	29% 2.3 25% 3.2	1.6 71 2.4 8I	\$0.061 \$0.00	5 0.029 0.019 5 0.030 0.019	\$0.00 \$0.00 \$0.00 \$0.00	00 59.52% 00 59.52%	100	4,000 5,400	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Interior Fixture <= 25W LED Interior Fixture 26W - 50W	LED Downlight Luminaire	22 3,	812 Incandescent Luminaire	47	3,812	20.00	\$35 \$50	\$0 50	\$136.67	\$ 0.079	26% 18.4 23% 22.1	13.7 93	\$0.362 \$0.010 2 \$0.378 \$0.015	8 0.025 0.02	\$0.14 \$0.1	00 72.46%	2	1,200 1,250	99%	100%
Prescriptive Retrofit Lighting	LED Exterior Wall Pack <= 25W	LED Wall Pack Fixture	16 4,	380 HID Wall Pack Foture	96	4,380	20.00	\$35	\$0 \$0	\$175.00	\$ 0.064	20% 7.9	6.3 35	\$0.100 \$0.000	5 0.080 0.00	\$0.00 \$0.0	0.00%	2	375	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Exterior Wall Pack 26W - 60W LED Exterior Wall Pack 61W - 150W	LED Wall Pack Fixture	43 4, 98 4	380 HID Wall Pack Fixture 380 HID Wall Pack Fixture	235	4,380 4.380	20.00	\$75 \$100	\$0 \$0	\$285.71 \$500.00	\$ 0.064	26% 5.4	3.9 84	\$0.089 \$0.00 4 \$0.080 \$0.00	4 0.192 0.00	\$0.00 \$0.0	0.00%	5 8	375 375	99%	100%
Prescriptive Retrofit Lighting	LED Parking Garage Wall Pack <= 25W	LED Wall Pack Forture	19 8,	760 HID Wall Pack Fixture	112	8,760	20.00	\$35	\$0	\$175.00	\$ 0.068	20% 3.1	2.5 81	5 \$0.043 \$0.00 15 \$0.037 \$0.00	2 0.093 0.09	\$0.00 \$0.0	0 94.00%	3	375	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Parking Garage Wall Pack 26W - 60W LED Parking Garage Wall Pack 61W - 150W	LED Wall Pack Fixture	49 8, 114 8,	760 HID Wall Pack Floture T60 HID Wall Pack Floture	420	8,760	20.00	\$75 \$100	\$0	\$500.00	\$ 0.068	24% 2.3 20% 2.7	1.8 2,0 2.2 2,6	3 \$0.037 \$0.000 3 \$0.037 \$0.000	2 0.306 0.30	\$0.00 \$0.0	0 94.00%	6	250	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Outdoor Canopy or Soffit lighting 25W - 60W LED Outdoor Canopy or Soffit lighting 61W - 150W	LED	40 4,	156 Metal Halide	195	4,156	20.00	\$135 \$175	\$0	\$450.00	\$ 0.064	30% 11.0 38% 5.0	7.7 64	\$0.209 \$0.01 57 \$0.120 \$0.00	0.155 0.00	\$0.00 \$0.0	0.00%	3	212	99%	100%
Prescriptive Retrofit Lighting	LED Parking Garage lighting 25W - 60W	LED Fixture	43 8,	760 HID Fixture	192	8,760	20.00	\$135	\$0 \$0	\$334.94	\$ 0.068	40% 3.7	2.2 1,3	0 \$0.103 \$0.00	5 0.149 0.16	\$0.00 \$0.0	0.00%	6	500	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Parking Garage lighting 61W - 83W LED Ref and Frz Cases 5' or 6' doors	LED Fixture	72 8, 41 8	760 HID Fixture 760 T8 or T12 Flungescent	287	8,760 8,760	20.00	\$175 \$100	\$0 \$0	\$567.43 \$165.00	\$ 0.068	31% 4.4 61% 4.6	3.1 1,8 1.8 53	\$0.093 \$0.000 1 \$0.188 \$0.000	5 0.215 0.23 9 0.061 0.05	\$0.00 \$0.0	00 100.00%	19	500 4,000	99%	100%
Prescriptive Retrofit Lighting	Parking Garage T8 4' Lamps - 25 Watts	Low wattage T8 Lamp	28 8,	760 T8 32W Lamp	36	8,760	3.42	\$2	\$2	\$4.00	\$ 0.068				9 0.008 0.00		0 94.00%	2	100	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	Parking Garage T8 4' Lamps - 28 Watts Street lighting - 150W HID replacement fixture	Low wattage 18 Lamp LED	75 4,	760 18 32W Lamp 380 150W HID Floture	183	0	20.00	\$1 \$60	\$2	\$559.66	\$ 0.068	25% 1.5 11% 15.7	14.0 -30	\$0.029 \$0.00 \$0.026 \$0.00 9 \$0.126 -\$0.00	9 0.108 0.00	\$0.00 \$0.0	0 0.00%	2	50	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	Street lighting - 175W HID replacement fixture Street lighting - 250W HID replacement fixture	LED	93 4,	380 175W HID Floture	202	4 390	20.00	\$60 \$75	\$0 \$0	\$571.84 \$624.12	\$ 0.064	10% 15.8 12% 10.9	14.2 -40	5 \$0.125 -\$0.00 4 \$0.098 \$0.00	7 0.110 0.00	\$0.00 \$0.0	0.00%	2	50	99%	100%
Prescriptive Retrofit Lighting	Street lighting - 400W HID replacement fixture	LED	145 4,	380 400W HID Floture	459	4,380	20.00	\$100	50	\$721.81	\$ 0.064	14% 7.0	6.0 1,3	6 \$0.073 \$0.00	4 0.314 0.00	\$0.00 \$0.0	0.00%	2	25	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	Area lighting - 150W MH replacement fixture Area lighting - 175W MH replacement fixture	LED LED	65 4, 80 4.	380 150W MH Fixture 380 175W MH Fixture	183 202	4,380 4.380	20.00	\$75 \$75	\$0 \$0	\$537.45 \$527.44	\$ 0.064 \$ 0.064	14% 16.3 14% 15.5		3 \$0.145 \$0.00 3 \$0.140 \$0.00	7 0.118 0.00 7 0.122 0.00		0.00%	2	1,500	99%	100%
Prescriptive Retrofit Lighting	Area lighting - 250W MH replacement fixture	LED	105 4	380 250W MH Fixture	293	4,380	20.00	\$85	\$0	\$576.77	\$ 0.064	15% 11.0	9.4 82	\$0.103 \$0.00	5 0.188 0.00	\$0.00 \$0.0	0.00%	2	1,500	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	Area lighting - 400W MH replacement fixture LED Troffer Fixture	LED Fixture	135 4, 53 4,	052 Fluorescent Fluture	459 100	4,380 4,052	20.00	\$100 \$50	\$0 \$0	\$835.97	\$ 0.064	16% 7.1 23% 15.3	11.8 19	8 \$0.071 \$0.00 0 \$0.263 \$0.01	3 0.047 0.03	\$0.59 \$0.	0.00%	3	2,000 2,800	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED Troffer Retrofit T12 LED Troffer Fixture	LED Fixture	51 4,	052 Fluorescent Fixture	96 70	4,052	20.00	\$30 \$50	\$0	\$154.31 \$167.50	\$ 0.079	19% 11.1 30% 21.1	8.9 18	\$ \$0.163 \$0.00 5 \$0.474 \$0.02	8 0.045 0.03	\$0.58 \$0.0	0 72.46%	3 22	4,000 2,835	99%	100%
Prescriptive Retrofit Lighting	T12 LED Troffer Retrofit	LED Fixture	40 4,	052 Fluorescent Fixture	69	4,052	20.00	\$30	\$52	\$104.94	\$ 0.079	29% 11.6	8.3 12	\$0.250 \$0.01	3 0.030 0.02	\$0.37 \$0.0	00 72.46%	61	3,650	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED High-Bay Luminaires LED High-Bay Luminaires	High Bay LED <= 250 Watts High Bay LED <= 400 Watts	191 4, 299 4	812 HID: 175W to 250W Lamp 812 HID: 310W to 400W Lamp	361 543	4,812 4,812	20.00	\$135 \$150	\$0 \$0	\$499.89 \$613.43	\$ 0.079 \$ 0.079	27% 8.1 24% 6.9	5.9 82	0 \$0.165 \$0.00 5 \$0.128 \$0.00	8 0.1704 0.144	4 \$0.00 -\$2. 0 \$0.00 -\$3	53 79.25% 53 79.25%	5	350 750	99%	100%
Prescriptive Retrofit Lighting	LED High-Bay Luminaires	High Bay LED <= 750 Watts	535 4,	812 HID: Replace 750W Lamp	1,109	4,812	20.00	\$200	\$0	\$898.03	\$ 0.079	22% 4.3	3.3 2,7	5 \$0.072 \$0.00	4 0.5746 0.487	1 \$0.00 -\$8.	54 79.25%	5	300	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	LED High-Bay Luminaires Retrofit Kits for LED High-Bay Luminaires	High Bay LED <= 1000 Watts High Bay LED <= 250 Watts	725 4, 192 4,	812 HID: Replace 1000W Lamp 812 HID: 175W to 250W Lamp	1,445 355	4,812 4,812	20.00 20.00	\$250 \$40	\$0 \$0	\$1,598.67 \$236.16	\$ 0.079 \$ 0.079	16% 6.1 17% 4.0	5.2 3,4 3.3 78	66 \$0.072 \$0.00 1 \$0.051 \$0.00	4 0.7204 0.610 3 0.1624 0.137	7 \$0.00 -\$10 7 \$0.00 -\$2	79.25% 41 79.25%	5	200 90	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	Retrofit Kits for LED High-Bay Luminaires Retrofit Kits for LED High-Bay Luminaires	High Bay LED <= 400 Watts	299 4,	812 HID: 310W to 400W Lamp	543	4,812	20.00	\$50 \$80	\$0	\$324.24	\$ 0.079	15% 3.7 11% 3.4	3.1 1,1	1 \$0.051 \$0.00 5 \$0.043 \$0.00 5 \$0.029 \$0.00	0.2442 0.207	0 \$0.00 -\$3.	63 79.25% E4 79.25%	5	90	99%	100%
Prescriptive Retrofit Lighting	Retrofit Kits for LED High-Bay Luminaires Retrofit Kits for LED High-Bay Luminaires	High Bay LED <= 1000 Watts	696 4,	812 HID: Replace 1000W Lamp	1,445	4,812	20.00	\$160	\$0 \$0	\$1,025.68	\$ 0.079	16% 3.8	3.2 3,6	90.029 \$0.00 17 \$0.044 \$0.00	2 0.7497 0.635	5 \$0.00 -\$11	15 79.25%	5	90	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	Two-Foot LED Linear Replacement Lamps	LEO-Linear Replacement-tamps		062 Fluorescent Lamps 062 Fluorescent Lamps	22-95 26-00	4,062 4,062	40.87 20.00	\$2 \$6	\$3 \$9	\$19.00 \$66.97	5 0.079	44% 40.0 44% 43.6	9.8 2-	\$0.082 \$0.00 \$0.440 \$0.00	8 0.0060 0.004	6 \$0.00 -\$0.	98 72.46% 13 72.46%	29	9,000	99%	100%
Prescriptive Retrolit Lighting	External driver. Two-foot. LED Lamp-Style Retrofit Kits Four-Foot LED Linear Replacement Lamps	LED Linear Replacement temps		062 Fluorescent Lamps	39.49	4,062 4,062	10.07	94	59	\$21.62	5 0.079	19% 5.4	4.4 5	\$0.074 \$0.00	P 0.0139 0.010		17 72:40%	29	9,000	99%	100%
Prescriptive Retrofit Lighting Prescriptive Retrofit Lighting	External driver, Four-foot, LED Lamp-Style Retrofit Kits LED Tubes (Linear Lamps)	LED Tubes (Linear Lamps)	20 4.	062 Fluorescent Lamps 062 T8 Fluorescent Lamps	43.23 32.84	4,062 4,062	20.00 15.44	\$10 \$6	50 \$2	\$75.08 \$42.89	5 0.079 S 0.079	13% 12.6 13% 10.6	9.3 54		7 0.0132 0.010	4 50.00 -\$0. 2 \$0.00 -\$0.	24 72.45% 17 72.46%	20	9,000 36,000	99%	100%
Prescriptive New Construction Lighting	LED High-Bay Luminaires	High Bay LED <= 250 Watts	192 4,	812 Pulse Start Metal Halide, <250W Lamp	392	4,812	20.00	\$125 \$140	\$222	\$277.72	\$ 0.079	45% 3.8 44% 2.9	2.1 96	3 \$0.130 \$0.00 15 \$0.094 \$0.00	5 0.2001 0.169	7 \$0.00 -\$2.	98 79.25%	1	800 600	99%	100%
Prescriptive New Construction Lighting Prescriptive New Construction Lighting	LED High-Bay Luminaires LED High-Bay Luminaires	High Bay LED <= 750Watts	535 4,	812 Pulse Start Metal Halide 750 Watt	1,117	4,612	20.00	\$165	\$25G \$372	\$525.72	\$ 0.079	31% 2.5	1.7 2,8	3 \$0.059 \$0.00	3 0.5825 0.493	8 \$0.00 -\$8.	66 79.25%	2	200	99%	100%
Prescriptive New Construction Lighting Prescriptive New Construction Lighting	LED High-Bay Luminaires LED Interior Fixture ← 25W	High Bay LED <= 1000 Watts	721 4,	812 Pulse Start Metal Halide 1000 Watt 812 Incandescent Lumicolin	1,463 47	4,812 3,812	20.00	\$175 \$25	\$407	\$1,191.36 \$87	\$ 0.079	15% 4.4 29% 11.6	3.8 3,5	1 \$0.049 \$0.000 \$0.259 \$0.01	2 0.7421 0.629	1 \$0.00 -\$11	03 79.25%	2	200 1,200	99%	100%
Prescriptive New Construction Lighting	LED Interior Fixture 26W - 50W	LED Downlight Luminaire	47 3,	812 Incandescent Luminaire	82	3,812	20.00	\$40	\$50	\$170	\$ 0.079	24% 17.1	13.1 13	2 \$0.303 \$0.019	5 0.035 0.02	\$0.44 \$0.0	00 72.46%	1	450	99%	100%
Prescriptive New Construction Lighting Prescriptive New Construction Lighting	LED Ref and Frz Cases 5' or 6' doors LED Exterior Wall Pack <= 25W	LED Strip lighting LED Wall Pack Fixture	30 8, 17 4	760 T8 Fluorescent 380 HID Wall Pack Fixture	101 75	8,760 4,380	20.00	\$70 \$15	\$38 \$104	\$127 \$71	\$ 0.068 \$ 0.064	55% 3.0 21% 4.4	1.3 62	2 \$0.113 \$0.00 5 \$0.059 \$0.00	5 0.071 0.09	\$0.00 \$0.0	00 87.00%	4	650 500	99%	100%
Prescriptive New Construction Lighting	LED Exterior Wall Pack 26W - 60W	LED Wall Pack Fixture	43 4,	380 HID Wall Pack Forture	280	4,380	20.00	\$30	\$279	\$55	\$ 0.064	55% 0.8	0.4 1,0	15 \$0.029 \$0.00	1 0.236 0.00	\$0.00 \$0.0	0.00%	1	75	99%	100%
Prescriptive New Construction Lighting Prescriptive New Construction Lighting	LED Exterior Wall Pack 61W - 150W LED Parking Garage Wall Pack <= 25W	LED Walf Pack Foture LED Walf Pack Foture	107 4, 17 8,	760 HID Wall Pack Forture HID Wall Pack Forture	411 75	4,380 8,760	20.00 20.00	\$50 \$15	\$367 \$104	\$133 \$71	\$ 0.064 \$ 0.068	38% 1.6 21% 2.0	1.0 1,3 1.6 51	12 \$0.038 \$0.000 1 \$0.029 \$0.00	2 0.304 0.00 1 0.058 0.05	\$0.00 \$0.0	0.00%	1 1	75 75	99%	100%
Prescriptive New Construction Lighting	LED Parking Garage Wall Pack 26W - 60W	LED Wall Pack Foture	43 8,	760 HID Wall Pack Fixture	280	8,760	20.00	\$30	\$279	\$55	\$ 0.068		0.2 2,0	0 \$0.014 \$0.00	1 0.236 0.23	\$0.00 \$0.0	00 94.00%	1	75 75	99%	100%
Prescriptive New Construction Lighting Prescriptive New Construction Lighting	LED Parking Garage Wall Pack 61W - 150W LED Outdoor Canopy or Soffit lighting 25W - 60W	LED war Pack Fidure LED	107 8, 40 4,	156 Metal Halide	411 221	8,760 4,156	20.00	\$50 \$50	\$367 \$192	\$133 \$258	\$ 0.068 \$ 0.064	19% 5.4	4.4 75	3 \$0.019 \$0.00 2 \$0.066 \$0.00	3 0.181 0.00	\$0.00 \$0.0	0 0.00%	1	75 150	99%	100%
Prescriptive New Construction Lighting Prescriptive New Construction Lighting	LED Outdoor Canopy or Soffit lighting 61W - 150W	LED LED Evalue	115 4,	156 Metal Halide 750 HID Fotuse	454 179	4,156 8,760	20.00	\$100 \$50	\$283 \$256	\$192 \$78.94	\$ 0.064 \$ 0.068	52% 2.1 63% 4.0	1.0 1,4	9 \$0.071 \$0.00 H \$0.042 \$0.00	4 0.339 0.00	\$0.00 \$0.0	0.00%	1 1	150 200	99% 99%	100%
Prescriptive New Construction Lighting Prescriptive New Construction Lighting	LED Parking Garage lighting 25W - 60W LED Parking Garage lighting 61W - 83W	LED Fixture	72 8,	760 HID Fixture	275	8,760	20.00	\$50 \$50	\$290	\$277.43	\$ 0.068	18% 2.3	1.9 1,7	11 \$0.042 \$0.000 18 \$0.028 \$0.00	1 0.203 0.20	\$0.00 \$0.0	94.00%	2	300	99%	100%
Prescriptive New Construction Lighting	T8 4' Lamps - 25 Watts					2.042	6.07		60	60	£ 0.070	4000	0.0 3	\$0.067 \$0.01	0.000 0.00	-\$0.10 \$0.0	00 72.46%	2	4 100	99%	100%

Prescriptive New Construction Lighting	T8 4' Lamps - 28 Watts	Low wattage T8 Lamp	31	3,812	T8 32W Lamp	36	3,812	6.27	\$1	\$2	\$2	\$ 0.079	50%	1.6 0.8	17	\$0.059	\$0.009 0	0.0	003	\$0.06 \$0.00	72.46%	2	3,874	99%	100%	100%
Prescriptive New Construction Lighting	High Bay Fluorescents 4-6L T5HO or 6-8L T8	High Bay Fluorescents <= 300 Watts	311	3,812	Metal Halide	555	3,812	20.00	\$40	\$180	\$102	\$ 0.079	39%	1.5 0.9	929	\$0.043	\$0.002 0	844 0.1	189	\$3.11 \$0.00	72.46%	1	2,200	99%	100%	100%
Prescriptive New Construction Lighting	High Bay Fluorescents 6L T8VHO, 8L T5HO, 12-16L T8	High Bay Fluorescents <= 610 Watts	541	3,812	Metal Halide	1,061	3,812	20.00	\$40	\$291	\$132	\$ 0.079	30%	0.9 0.6	1,980	\$0.020	\$0.001 0	19 0.4	403	\$6.64 \$0.00	72.46%	1	1,550	99%	100%	100%
Prescriptive New Construction Lighting	High Bay Fluorescents 8L T8VHO, 10L T5HO, 18-20L T8	High Bay Fluorescents <= 900 Watts	887	3,812	Metal Halide	1,411	3,812	20.00	\$65	\$355	\$169	\$ 0.079	38%	1.1 0.7	1,998	\$0.033	\$0.002 0	24 0.4	406	\$6.70 \$0.00	72.46%	1	200	99%	100%	100%
Prescriptive New Construction Lighting	CFL <= 18W Pin Based	Pin-Based CFL	21	3,812	Incandescent	84	3,812	20.00	\$10	\$18	\$20	\$ 0.079	50%	1.1 0.5	243	\$0.041	\$0.002 0	0.0	049	\$0.81 \$0.00	72.46%	- 1	100	99%	100%	100%
Prescriptive New Construction Lighting	CFL 19-32W Pin Based	Pin-Based CFL	44	3,812	Incandescent	155	3,812	20.00	\$15	\$36	\$40	\$ 0.079	38%	1.3 0.8	423	\$0.035	\$0.002 0	11 0.0	086	\$1.42 \$0.00	72.46%	1	100	99%	100%	100%
Prescriptive New Construction Lighting	CFL 33W+ Pin Based	Pin-Based CFL	73	3,812	Incandescent	260	3,812	20.00	\$20	\$53	\$50	\$ 0.079	40%	0.9 0.6	711	\$0.028	\$0.001 0	86 0.1	144	\$2.38 \$0.00	72.46%	1	95	99%	100%	100%
Prescriptive New Construction Lighting	Ceramic Metal Halide - Integrated 20W - 25W	Ceramic Metal Halide Integrated 25W	25	3,812	Incandescent	84	3,812	7.00	\$15	\$12	\$45	\$ 0.079	33%	2.7 1.8	223	\$0.067	\$0.010 0	0.0	045	\$0.75 \$0.00	72.46%	2	15	99%	100%	100%
Prescriptive New Construction Lighting	Ceramic Metal Halide <=150W	Ceramic Metal Halide <= 150 Watts	67	3,812	Incandescent	232	3,812	20.00	\$45	\$59	\$145	\$ 0.079	31%	3.1 2.1	629	\$0.072	\$0.004 0	65 0.1	128	\$2.11 \$0.00	72.46%	1	10	99%	100%	100%
Prescriptive New Construction Lighting	Street lighting - 150W HID fixture	LED	75	4,380	150W HID Foture	183	4,380	20.00	\$25	\$308	\$251.33	\$ 0.064	10%	8.3 7.5	475	\$0.053	\$0.003 0	0.0	000	\$0.00 \$0.00	0.00%	2	50	99%	100%	100%
Prescriptive New Construction Lighting	Street lighting - 175W HID fixture	LED	93	4,380	175W HID Fixture	202	4,380	20.00	\$25	\$317	\$255.17	\$ 0.064	10%	8.3 7.5	481	\$0.052	\$0.003 0	10 0.0	000	\$0.00 \$0.00	0.00%	1	10	99%	100%	100%
Prescriptive New Construction Lighting	Street lighting - 250W HID fixture	LED	119	4.380	250W HID Foture	293	4.380	20.00	\$50	\$344	\$279.80	\$ 0.064	18%	5.8 4.7	764	\$0.065	\$0.003 0	74 0.0	000	\$0.00 \$0.00	0.00%	1	10	99%	100%	100%
Prescriptive New Construction Lighting	Street lighting - 400W HID fixture	LED	145	4.380	400W HID Foture	459	4.380	20.00	\$75	\$354	\$367.81	\$ 0.064	20%	4.2 3.3	1.376	\$0.055	\$0.003 0	14 0.0	000	\$0.00 \$0.00	0.00%	2	30	99%	100%	100%
Prescriptive New Construction Lighting	Area lighting - 150W MH fixture	LED	65	4,380	150W MH Fixture	183	4,380	20.00	\$35	\$308	\$229.12	\$ 0.064	15%	7.0 5.9	518	\$0.068	\$0.003 0	18 0.0	000	\$0.00 \$0.00	0.00%	2	75	99%	100%	100%
Prescriptive New Construction Lighting	Area lighting - 175W MH fixture	LED	80	4,380	175W MH Fixture	202	4,380	20.00	\$35	\$317	\$210.77	\$ 0.064	17%	6.2 5.2	536	\$0.065	\$0.003 0	22 0.0	000	\$0.00 \$0.00	0.00%	2	75	99%	100%	100%
Prescriptive New Construction Lighting	Area lighting - 250W MH fixture	LED	105	4,380	250W MH Fixture	293	4,380	20.00	\$40	\$344	\$232.44	\$ 0.064	17%	4.4 3.7	825	\$0.048	\$0.002 0	88 0.0	000	\$0.00 \$0.00	0.00%	2	60	99%	100%	100%
Prescriptive New Construction Lighting	Area lighting - 400W MH fixture	LED	135	4,380	400W MH Fixture	459	4,380	20.00	\$50	\$354	\$281.97	\$ 0.064	18%	3.1 2.6	1,418	\$0.035	\$0.002 0	124 0.0	000	\$0.00 \$0.00	0.00%	3	30	99%	100%	100%
Prescriptive New Construction Lighting	LED Troffer Fixture	LED Fixture	68	4,052	Fluorescent Fixture	79	4,052	20.00	\$30	\$74	\$157.51	\$ 0.079	19%	46.1 37.4	45	\$0.663	\$0.033 0	111 0.0	009	\$0.14 \$0.00	72.46%	3	4,000	99%	100%	100%
Prescriptive Retrofit Lighting	LED PL/G based CFL Replacement Lamp	LED Plug in Lamp	22	3,812	CFL lamp	49	3,812	12.00	\$7	\$1	\$19.93	\$ 0.079	35%	2.6 1.7	101	\$0.069	\$0.006 0	127 0.0	021	\$0.00 -\$0.34	72.46%	10	675	99%	100%	100%
Prescriptive Retrofit Lighting	LED Troffer Fixture (T12 Baseline)	LED Troffer Fixture	57	3,812	T12 Fluorescent Fixture	161	3,812	20.00	\$70	\$0	\$230.78	\$ 0.079	30%	7.7 5.4	397	\$0.176	\$0.009 0	0.0	081	\$0.00 -\$1.33	72.46%	1	15	99%	100%	100%
Prescriptive Retrofit Lighting	LED Troffer Retrofit (T12 Baseline)	LED Troffer Fixture - Retrofit Kit	53	3,812	T12 Fluorescent Fixture	157	3,812	20.00	\$50	\$0	\$165.65	\$ 0.079	30%	5.6 3.9	397	\$0.126	\$0.006 0	0.0	081	\$0.00 -\$1.33	72.46%	1	15	99%	100%	100%
Prescriptive Retrofit Lighting	LED Tubes (Linear Lamps) (T12 Baseline)	LED Tubes (Linear Lamps)	21	3,812	T12 Fluorescent Lamps	59	3,812	16.00	\$14	\$1	\$46.31	\$ 0.079	30%	4.3 3.0	143	\$0.098	\$0.006 0	138 0.0	029	\$0.00 -\$0.48	72.46%	18	1,500	99%	100%	100%
Prescriptive Retrofit Lighting	LED Ref and Frz Cases 5' or 6' doors (T12 Baseline)	LED Strip lighting	49	8,760	T12 Fluorescent	152	8,760	20.00	\$55	\$0	\$163.75	\$ 0.079	34%	2.3 1.5	909	\$0.061	\$0.003 0	0.1	111	\$0.00 \$0.00	100.00%	2	300	99%	100%	100%
Prescriptive Retrofit Lighting	LED Linear Ambient (T12 Baseline)	LED Linear Ambient Fixture	63	3,812	T12 Flourescent Ambient Fixture	137	3,812		\$116	\$0	\$223.66	\$ 0.079	52%	10.6 5.1	281	\$0.413	\$0.021 0	174 0.0	057	0.00% -\$0.94	72.46%	3	720	99%	100%	100%
Custom Lighting	Custom Lighting Project	High Efficiency Lighting	895,511	4,639	Existing Lower Efficiency Lighting	909,250	4,639	15.30	\$5,495	\$1,669	\$23,159	\$ 0.079	24%	4.8 3.7	63,730	\$0.086	\$0.006 13	738 9.8	825 -\$	\$222.52 \$0.00	66.86%	215	215	99%	100%	100%
Lighting Redesign Projects	Lighting Redesign Implementation	Improved Light Levels	22,712	2,867	Excessive Light Levels	26,720	2,867	20.00	\$2,964	\$0	\$9,599	\$ 0.079	31%	11.1 7.7	11,492	\$0.258	\$0.013 4	108 3.6	627	\$40.13 \$0.00	84.60%	5	250	99%	100%	100%
Lighting Redesign Study	Lighting Redesign Study	LED Linear Ambient Fixture							\$8,556	\$0	\$11,408											3	3	99%	100%	100%