

## Financial Summary

Metropolitan Airport - Lighting upgrade = ENERGY RATES @ \$0.18kWh

### Lighting Energy Savings

Demand		Usage	
Existing Demand: kW	871.39	Existing Use: kWh	7,633,350.10
Proposed Demand: kW	318.36	Proposed Use: kWh	2,788,833.59
Demand Reduction: kWr	553.03	Use Reduction: kWh	4,844,516.51
<b>Total Lighting Energy Savings</b>			<b>63.5%</b>

<b>Total Lighting Cost Savings (First Year)</b>	<b>\$872,012.97</b>
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### Estimated Payback

First Year Cost Savings	<b>\$872,012.97</b>
Gross Project Cost (\$)	\$3,087,697.68
<b>NYSERDA CONTRIBUTION</b>	<b>0%</b>
Customer Project Cost (with Incentive)	\$3,087,697.68
<b>Simple Payback (months)</b>	<b>42.48</b>
<b>First Year Return on Investment (ROI)</b>	<b>28.24%</b>
<b>CO<sub>2</sub> Reduction (lbs)</b>	<b>4,989,852.00</b>

### Rebate Incentive and/or Project Cost Breakdown

	Bulbs/Ballasts	Labor	Total
<b>Gross Cost:</b>	\$2,664,013.58	\$423,684.10	\$3,087,697.68
<b>Total Rebate:</b>	\$0.00	\$0.00	\$0.00
<b>Net Customer Cost:</b>	\$2,664,013.58	\$423,684.10	\$3,087,697.68

Contribution derived from NYSERDA Energy Efficiency Program . NYSERDA Contribution contingent on acceptance of the Project by NYSERDA and execution of a Customers Agreement. NYSERDA ENERGY Program Offered is valid for 15 days and made on a "first come / first served" basis

Metropolitan Airport - Lighting upgrade = ENERGY RATES @ \$.18kWh													Metropolitan Area AirPort Road, New York 8609216271								
Location Information						Existing Fixture Information						Proposed Fixture Information									
Loc. #	Con Ed Eligibility	Group #	Op Hours	Floor	Location	Location Comments	Fixture Shape	Lamp Color	Audit Type	Existing Qty.	Existing Fixture Description	ICF Existing Equipment Types	Fixture Watts	Existing Kw	ECM Type	Retrofit Qty.	Retrofit Fixture Description	ICF Replacement Equipment Types	Fixture Watts	Retrofit Kw	kW Reduced
1	Yes	104	8760	1	HH 1st Floor	Direct Arrivals Hall		4100	Z1	232	CDM 100/PAR38/FL	HID Fixture	100	23.200	MH24.P3825	232	REPLACE, 24W PAR 38 METAL HALIDE - NARROW FLOOD - 25° BEAM ANGLE (MCP24EL/PAR38/U/830/NFL25/ECO)	Ceramic Metal Halide (no socket modifier needed, pre-approved)	24	5.568	17.632
2	Yes	104	8760	1	HH 1st Floor	INDIRECT Arrivals Hall		4100	MH350	44	METAL HALIDE, 1-350 WATT LAMP	HID Fixture	380	16.720	NORIBACHI STANDARD	44	LED 129 W RETROFIT CUSTOM FIXTURE TO REPLACE 225w-450MH	LED Replacement for Linear Fluorescent Fixture	129	5.676	11.044
3	Yes	104	8760	1	HH 1st Floor	Vestibule E/W	TROFFER: PARABOLIC	3500	Z3	38	CF24DT/E/IN835	Fluorescent Fixture	29	1.102	LED28.2	38	REPLACE, 2 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	16	0.608	0.494
4	Yes	104	8760	1	HH 1st Floor	Cooridors EAST	TROFFER: PARABOLIC	3500	Z8	272	2 PL-L24W/35/4P	Fluorescent Fixture	56	15.232	Luminex 6E	272	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	4.080	11.152
5	Yes	104	8760	1	HH 1st Floor	Cooridors WEST	TROFFER: PARABOLIC	3500	Z8	272	2 PL-L24W/35/4P	Fluorescent Fixture	56	15.232	Luminex 6E	272	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	4.080	11.152
6	Yes	104	8760	1	HH 1st Floor	Escalador141 Corridors WEST		3500	Z1	12	CDM 100/PAR38/FL	HID Fixture	100	1.200	MH24.P3825	12	REPLACE, 24W PAR 38 METAL HALIDE - NARROW FLOOD - 25° BEAM ANGLE (MCP24EL/PAR38/U/830/NFL25/ECO)	Ceramic Metal Halide (no socket modifier needed, pre-approved)	24	0.288	0.912
7	Yes	104	8760	1	HH 1st Floor	Escalador141 Corridors WEST	TROFFER: PARABOLIC	3500	Z8	18	2 PL-L24W/35/4P	Fluorescent Fixture	56	1.008	Luminex 6E	18	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	0.270	0.738
8	Yes	104	8760	1	HH 1st Floor	Immigration Ceiling		835K	8.4.32ELR	154	8' FIXTURE, 4-F32/T8 LAMPS, ENERGY SAVING MAGNETIC BALLAST - RETROFIT	Fluorescent Fixture	128	19.712	LED418.4R LRB	154	REPLACE, 4 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	72	11.088	8.624
9	Yes	104	8760	1	HH 1st Floor	Customs Over Carousel 12' indirect		835K	2.1.4BELP	191	2' 1-F40T8, BIAx RELAMP ONLY	Lamps	40	7.640	LED28.1	191	REPLACE, 1 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	8	1.528	6.112
10	Yes	104	8760	1	HH 1st Floor	Customs Over Carousel 12' indirect		835K	2.2.4BELP	704	2' 2-F40T8, BIAx RELAMP ONLY	Lamps	80	56.320	LB25.2	704	RELAMP 2-2' 25 WATT PL-L BIAx LAMPS	High Efficiency Fluorescent Lamps	50	35.200	21.120
11	Yes	104	8760	1	HH 1st Floor	Customs Over Carousel	RECESSED	3500	Z7	392	Circular Can 2-PLC18W/35/40	Fluorescent Fixture	39	15.288	Luminex 6E	392	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	5.880	9.408
12	Yes	104	8760	1	HH 1st Floor	Customs Over Carousel			PH	0	Place Holder	Fluorescent Fixture	0	0.000	NR	0	Place Holder	Fluorescent Fixture	0	0.000	0.000
13	Yes	104	8760	1	HH 1st Floor	Customs Lower Ceiling	RECESSED	3500	Z11	639	Can 2-PLC26W/35/4P	Fluorescent Fixture	56	35.784	Luminex 6E+CAN	639	LUMINEX6E 15 Watt LED Panel 6x8 SURFACE MOUNT CAN	LED Replacement for Linear Fluorescent Fixture	17	10.863	24.921
14	Yes	104	8760	1	HH 1st Floor	IMM SIGN OVER CNTRS ROLLING SIGN	CIRCLE LINE	3500	PH	84	Place Holder	Fluorescent Fixture	0	0.000	NR	84	Place Holder	Fluorescent Fixture	0	0.000	0.000
15	Yes	104	8760	1	HH 1st Floor	OVER IMMIGRATION CENTER		835K	4.2.32ELP	156	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	9.360	LED418.2R LRB	156	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	5.616	3.744
16	Yes	104	8760	1	HH 1st Floor	OVER CUSTOMS CNTRS	HANGING	835K	4.2.32ELP	80	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	4.800	LED418.2R LRB	80	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	2.880	1.920
17	Yes	104	8760	1	HH 1st Floor	CUSTOMS CEILING	8FT RECESSE	835K	4.4.32ELP	208	4' FIXTURE, 4-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	128	26.624	LED418.4R LRB	208	REPLACE, 4 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	72	14.976	11.648
18	Yes	104	8760	1	HH 1st Floor	COVE LIGHTS		835K	Z9	100	2-PL-L40/350/RS/1S	Fluorescent Fixture	80	8.000	LED418.2	100	REPLACE, 2 - 18 WATT 4' LED TUBES New 2 Light Fixture	LED Replacement for Linear Fluorescent Fixture	36	3.600	4.400
19	Yes	104	8760	1	HH 1st Floor	ARTWORK		835K	NR	55	No Retrofit	Fluorescent Fixture	0	0.000	NR	55	No Retrofit	Fluorescent Fixture	0	0.000	0.000
20	Yes	104	8760	1	HH 1st Floor	ARTWORK	TRACK HEAD REPLACEMENT	835K	Z10	55	QUARTZ 70 CDM70/TD	Incandescent Lamps	70	3.850	LED20PAR 38 HEAD	55	REPLACE E-LIGHT 20WATT PAR 38 LED WITH TRACK HEAD	LED Replacement for Incandescent Lamps (pre-approved CE)	40	2.200	1.650
21	Yes	104	8760	1	HH 1st Floor	CUSTOMS	WALL MOUNTED	835K	4.2.32ELP	136	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	8.160	LED418.2R LRB	136	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	4.896	3.264
22	Yes	104	8760	1	HH 1st Floor	CUSTOMS	HANGING	835K	4.2.32ELP	13	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	0.780	LED418.2R LRB	13	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	0.468	0.312
23	Yes	104	8760	1	HH 1st Floor	CUSTOMS	RECESSED	835K	Z12	14	2' 2F178 ELECTRONICBALLAST -RETOfIT	Fluorescent Fixture	30	0.420	GREE22L22	14	CREE 2X2 LAYIN FIXTURE 22W	LED Replacement for Linear Fluorescent Fixture	22	0.308	0.112

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Location Information							Existing Fixture Information							Proposed Fixture Information							
Loc. #	Con Ed Eligibility	Group #	Op Hours	Floor	Location	Location Comments	Fixture Shape	Lamp Color	Audit Type	Existing Qty.	Existing Fixture Description	ICF Existing Equipment Types	Fixture Watts	Existing Kw	ECM Type	Retrofit Qty.	Retrofit Fixture Description	ICF Replacement Equipment Types	Fixture Watts	Retrofit Kw	kWh Reduced
24	Yes	104	8760	1	HH 1st Floor	ADMIN OFFICES	RECESSED	835K	z13	20	2'-2-PL-L35/35/RS	Fluorescent Fixture	65	1.300	CREE22L22	20	CREE 2X2 LAYIN FIXTURE 22W	LED Replacement for Linear Fluorescent Fixture	22	0.440	0.860
25	Yes	104	8760	1	HH 1st Floor	BAGAGE CLAIM OFFICES	RECESSED	835K	z14	32	2'-3-PL-L50/35/RS	Fluorescent Fixture	90	2.880	CREE22L32	32	CREE 2X2 LAYIN FIXTURE 32W	LED Replacement for Linear Fluorescent Fixture	32	1.024	1.856
26	Yes	104	8760	1	HH 1st Floor	BAGAGE CLAIM OPEN HALLS	RECESSED	835K	z14	26	2'-3-PL-L50/35/RS	Fluorescent Fixture	90	2.340	CREE22L32	26	CREE 2X2 LAYIN FIXTURE 32W	LED Replacement for Linear Fluorescent Fixture	32	0.832	1.508
27	Yes	104	8760	3	B CON	DIRECT LIGHTING	RECESSED	835K	z4	626	2-PL-L24W/35/4P	Fluorescent Fixture	56	35.056	CREE22L22	626	CREE 2X2 LAYIN FIXTURE 22W	LED Replacement for Linear Fluorescent Fixture	22	13.772	21.284
28	Yes	104	8760	3	B CON	INDIRECT Arrivals Hall		835K	z6	186	PL-L40/350/RS/1S	Fluorescent Fixture	40	7.440	LED418.1	186	REPLACE, 1 - 18WATT 4' LED TUBES New 1 Light Fixture	LED Replacement for Linear Fluorescent Fixture	18	3.348	4.092
29	Yes	104	8760	3	B CON	FIXED BRIDGES	RECESSED	835K	z4	460	2-PL-L24W/35/4P	Fluorescent Fixture	56	25.760	CREE22L22	460	CREE 2X2 LAYIN FIXTURE 22W	LED Replacement for Linear Fluorescent Fixture	22	10.120	15.640
30	Yes	104	8760	2	B CON	DIRECT LIGHTING	RECESSED	835K	z4	319	2-PL-L24W/35/4P	Fluorescent Fixture	56	17.864	CREE22L22	319	CREE 2X2 LAYIN FIXTURE 22W	LED Replacement for Linear Fluorescent Fixture	22	7.018	10.846
31	Yes	104	8760	2	B CON	TOP OF RAMP ART	TRACK HEAD REPLACEMENT	841K	z1	8	CDM 100/PAR38/FL	HID Fixture	100	0.800	MH24_P3825	8	REPLACE, 24W PAR 38 METAL HALIDE - NARROW FLOOD - 25° BEAM ANGLE (MCP24EL/PAR38/U830/NFL25/ECCO)	Ceramic Metal Halide (no socket modifier needed, pre-approved)	24	0.192	0.608
32	Yes	104	8760	2	B CON	RAMP NEAR CURTAINS	RECESSED	835K	z8	4	2 PL-L24W/35/4P	Fluorescent Fixture	56	0.224	Luminox 6E	4	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	0.060	0.164
33	Yes	104	8760	2	B CON	RAMP TO CURTAINS	RECESSED	835K	P20.50D	72	PAR 20 FLOOD 50 WATT DIMMABLE INCANDESCENT	Incandescent Lamps	50	3.600	LED9WPAR20	72	REPLACE EPL 9 WATT PAR 20 LED	LED Replacement for Incandescent Lamps (pre-approved CE)	9	0.648	2.952
34	Yes	104	8760	3	B CON	SCTYCK PT		835K	z8	175	2 PL-L24W/35/4P	Fluorescent Fixture	56	9.800	Luminox 6E	175	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	2.625	7.175
35	Yes	104	8760	3	B CON	SCTYCK PT		835K	P20.50D	90	PAR 20 FLOOD 50 WATT DIMMABLE INCANDESCENT	Incandescent Lamps	50	4.500	LED9WPAR20	90	REPLACE EPL 9 WATT PAR 20 LED	LED Replacement for Incandescent Lamps (pre-approved CE)	9	0.810	3.690
36	Yes	104	8760	3	B CON	1ST FL DIRECT	RECESSED	835K	MH150	325	METAL HALIDE, 1-150 WATT LAMP	HID Fixture	190	61.750	RAB 52W LED	325	RAB LED 52 Watts Outdoor rated fixture	LED Replacement for Incandescent Lamps (pre-approved CE)	52	16.900	44.850
37	Yes	104	8760	3	A CON	3FL DIRECT	RECESSED	835K	z8	335	2 PL-L24W/35/4P	Fluorescent Fixture	56	18.760	Luminox 6E	335	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	5.025	13.735
38	Yes	104	8760	3	A CON	3FL INDIRECT		835K	z6	84	PL-L40/350/RS/1S	Fluorescent Fixture	40	3.360	LED418.1	84	REPLACE, 1 - 18WATT 4' LED TUBES New 1 Light Fixture	LED Replacement for Linear Fluorescent Fixture	18	1.512	1.848
39	Yes	104	8760	3	A CON	FIXED BRIDGES	RECESSED	835K	z8	276	2 PL-L24W/35/4P	Fluorescent Fixture	56	15.456	Luminox 6E	276	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	4.140	11.316
40	Yes	104	8760	3	A CON	SCTYCK PT			z15	175	Can 2-PLC26W/35/4P	Fluorescent Fixture	56	9.800	Luminox 6E	175	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	2.625	7.175
41	Yes	104	8760	3	A CON	3FL DIRECT	RECESSED		P20.50D	80	PAR 20 FLOOD 50 WATT DIMMABLE INCANDESCENT	Incandescent Lamps	50	4.000	LED9WPAR20	80	REPLACE EPL 9 WATT PAR 20 LED	LED Replacement for Incandescent Lamps (pre-approved CE)	9	0.720	3.280
42	Yes	104	8760	2	A CON	2FL DIRECT	RECESSED	835K	z8	199	2 PL-L24W/35/4P	Fluorescent Fixture	56	11.144	Luminox 6E	199	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	2.985	8.159
43	Yes	104	8760	2	A CON	RAMP TO CURTAINS	RECESSED	835K	P20.50D	53	PAR 20 FLOOD 50 WATT DIMMABLE INCANDESCENT	Incandescent Lamps	50	2.650	LED9WPAR20	53	REPLACE EPL 9 WATT PAR 20 LED	LED Replacement for Incandescent Lamps (pre-approved CE)	9	0.477	2.173
44	Yes	104	8760	1	A CON	1ST FL DIRECT	RECESSED	835K	MH150	50	METAL HALIDE, 1-150 WATT LAMP	HID Fixture	190	9.500	RAB 52W LED	50	RAB LED 52 Watts Outdoor rated fixture	LED Replacement for Incandescent Lamps (pre-approved CE)	52	2.600	6.900
45	Yes	104	8760	3	A CON	BATHROOMS MEN & WOMAN		835K	4.2.32ELP	30	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	1.800	LED418.2R LRB	30	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	1.080	0.720
46	Yes	104	8760	3	A CON	BATHROOMS MEN & WOMAN		835K	3.1.3ERB	6	3' FIXTURE, 1-F30/T12/STD LAMPS, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	37	0.222	LED312.1	6	REPLACE, 1 - 12 WATT 3' LED TUBES	LED Replacement for Linear Fluorescent Fixture	12	0.072	0.150

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47	Yes	104	8760	3	A CON	BATHROOMS MEN & WOMAN		835K	2.1.2ERB	6	2' FIXTURE, 1-F20/T12/STD LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	26	0.156	LED28.1	6	REPLACE, 1 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	8	0.048	0.108	
48	Yes	104	8760	2	A CON	BATHROOMS MEN & WOMAN		835K	4.2.3ZELP	30	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	1.800	LED418.2R LRB	30	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	1.080	0.720	
49	Yes	104	8760	2	A CON	BATHROOMS MEN & WOMAN		835K	3.1.3ERB	6	3' FIXTURE, 1-F30/T12/STD LAMPS, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	37	0.222	LED312.1	6	REPLACE, 1 - 12 WATT 3' LED TUBES	LED Replacement for Linear Fluorescent Fixture	12	0.072	0.150	
50	Yes	104	8760	2	A CON	BATHROOMS MEN & WOMAN		835K	2.1.2ERB	6	2' FIXTURE, 1-F20/T12/STD LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	26	0.156	LED28.1	6	REPLACE, 1 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	8	0.048	0.108	
51	Yes	104	8760	3	B CON	BATHROOMS MEN & WOMAN		835K	4.2.3ZELP	24	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	1.440	LED418.2R LRB	24	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	0.864	0.576	
52	Yes	104	8760	3	B CON	BATHROOMS MEN & WOMAN		835K	3.1.3ERB	6	3' FIXTURE, 1-F30/T12/STD LAMPS, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	37	0.222	LED312.1	6	REPLACE, 1 - 12 WATT 3' LED TUBES	LED Replacement for Linear Fluorescent Fixture	12	0.072	0.150	
53	Yes	104	8760	3	B CON	BATHROOMS MEN & WOMAN		835K	2.1.2ERB	6	2' FIXTURE, 1-F20/T12/STD LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	26	0.156	LED28.1	6	REPLACE, 1 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	8	0.048	0.108	
54	Yes	104	8760	2	B CON	BATHROOMS MEN & WOMAN		835K	4.2.3ZELP	24	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	1.440	LED418.2R LRB	24	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	0.864	0.576	
55	Yes	104	8760	2	B CON	BATHROOMS MEN & WOMAN		835K	3.1.3ERB	6	3' FIXTURE, 1-F30/T12/STD LAMPS, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	37	0.222	LED312.1	6	REPLACE, 1 - 12 WATT 3' LED TUBES	LED Replacement for Linear Fluorescent Fixture	12	0.072	0.150	
56	Yes	104	8760	2	B CON	BATHROOMS MEN & WOMAN		835K	2.1.2ERB	6	2' FIXTURE, 1-F20/T12/STD LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	26	0.156	LED28.1	6	REPLACE, 1 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	8	0.048	0.108	
57	Yes	104	8760	2	B CON	INTRANSIT LAUNGE		835K	Z6	54	2 PL-L24W/35/4P	Fluorescent Fixture	56	3.024	Luminex 6E	54	LUMINEX6E 15 Watt LED Panel 6x6	LED Replacement for Linear Fluorescent Fixture	15	0.810	2.214	
58	Yes	104	8760	2	B CON	INTRANSIT LAUNGE REST ROOM		835K	4.2.3ZELP	8	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	0.480	LED418.2R LRB	8	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	0.288	0.192	
59	Yes	104	8760	2	B CON			835K	PH	0	Place Holder	Fluorescent Fixture	0	0.000	NR	0	Place Holder	Fluorescent Fixture	0	0.000	0.000	
60	Yes	104	8760	4		HHCEILING LIGHTS			NR	0	No Retrofit	Fluorescent Fixture	0	0.000	NR	0	No Retrofit	Fluorescent Fixture	0	0.000	0.000	
61	Yes	104	8760	4		HHCEILING LIGHTS	O TK CNTRS HI CEIL		MH250	80	METAL HALIDE, 1-250 WATT LAMP	HID Fixture	295	23.600	NORIBACHI STANDARD	80	LED 129 W RETROFIT CUSTOM FIXTURE TO REPLACE 225w-450MH	LED Replacement for Linear Fluorescent Fixture	129	10.320	13.280	
62	Yes	104	8760	4		HHCEILING LIGHTS	O TKT PR CNTRS STACKS		MH1000	16	METAL HALIDE, 1-1000 WATT LAMP	HID Fixture	1080	17.280	NORIBACHI ELITE	16	LED 214 W RETROFIT CUSTOM FIXTURE TO REPLACE 450-850MH	LED Replacement for Linear Fluorescent Fixture	214	3.424	13.856	
63	Yes	104	8760	4		HHCEILING LIGHTS	CEILING AROUND RETAIL		835K	P38.90	154	PAR 38 FLOOD 90 WATT INCANDESCENT	Incandescent Lamps	90	13.860	LED20PAR 38	154	REPLACE E-LIGHT 20WATT PAR 38 LED	LED Replacement for Incandescent Lamps (pre-approved CE)	20	3.080	10.780
64	Yes	104	8760	4		HHCEILING LIGHTS	CEILING AROUND RETAIL		835K	Z9	152	2-PL-L40/350/RS/1S	Fluorescent Fixture	80	12.160	LED418.2	152	REPLACE, 2 - 18 WATT 4' LED TUBES New 2 Light Fixture	LED Replacement for Linear Fluorescent Fixture	36	5.472	6.688
65	Yes	104	8760	4	HH 4TH	SPOT LIGHTS		835K	NR	160	No Retrofit	Fluorescent Fixture	0	0.000	NR	160	No Retrofit	Fluorescent Fixture	0	0.000	0.000	
66	Yes	104	8760	4	HH 4TH	VESTBULE ENTRANCE		835K	Z11	60	Can 2-PLC26W/35/4P	Fluorescent Fixture	56	3.360	Luminex 6E+CAN	60	LUMINEX6E 15 Watt LED Panel 6x8 SURFACE MOUNT CAN	LED Replacement for Linear Fluorescent Fixture	17	1.020	2.340	
67	Yes	104	8760	4	HH 4TH	VESTBUL		835K	4.2.3ZELP	20	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	1.200	LED418.2R LRB	20	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	0.720	0.480	
68	Yes	104	8760	4	HH 4TH	PURCHASING		835K	Z6	8	PL-L40/350/RS/1S	Fluorescent Fixture	40	0.320	LED418.1	8	REPLACE, 1 - 18WATT 4' LED TUBES New 1 Light Fixture	LED Replacement for Linear Fluorescent Fixture	18	0.144	0.176	
69	Yes	104	8760	4	HH 4TH	FRONT OF ELEVATORS		835K	4.2.3ZELP	10	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	0.600	LED418.2R LRB	10	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	0.360	0.240	

Metropolitan Airport - Lighting upgrade = ENERGY RATES @ \$.18kWh														Metropolitan Area AirPort Road, New York 8609216271							
Location Information							Existing Fixture Information							Proposed Fixture Information							
Loc. #	Con Ed Eligibility	Group #	Op Hours	Floor	Location	Location Comments	Fixture Shape	Lamp Color	Audit Type	Existing Qty.	Existing Fixture Description	ICF Existing Equipment Types	Fixture Watts	Existing Kw	ECM Type	Retrofit Qty.	Retrofit Fixture Description	ICF Replacement Equipment Types	Fixture Watts	Retrofit Kw	kW Reduced
70	Yes	104	8760	4	HH 4TH	INDIRECT WALL MOUNTED		841K	MH350	82	METAL HALIDE, 1-350 WATT LAMP	HID Fixture	380	31.160	NORIBACHI STANDARD	82	LED 129 W RETROFIT CUSTOM FIXTURE TO REPLACE 225w-450MH	LED Replacement for Linear Fluorescent Fixture	129	10.578	20.582
71	Yes	104	8760	4	HH 4TH	CEILING LIGHTS OVER TKT CNTR		841K	MH350	200	METAL HALIDE, 1-350 WATT LAMP	HID Fixture	380	76.000	NORIBACHI STANDARD	200	LED 129 W RETROFIT CUSTOM FIXTURE TO REPLACE 225w-450MH	LED Replacement for Linear Fluorescent Fixture	129	25.800	50.200
72	Yes	104	8760	4	HH 4TH	OVER REVOLVING DOOR		841K	MH350	20	METAL HALIDE, 1-350 WATT LAMP	HID Fixture	380	7.600	NORIBACHI STANDARD	20	LED 129 W RETROFIT CUSTOM FIXTURE TO REPLACE 225w-450MH	LED Replacement for Linear Fluorescent Fixture	129	2.580	5.020
73	Yes	104	8760	4	HH 4TH	CLASS CEILING INDIRECT		841K	4.2.32ELP	250	4' FIXTURE, 2-F32/T8 LAMPS, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	60	15.000	LED418.2R LRB	250	REPLACE, 2 - 18 WATT 4' LED TUBES Fixture Retrofit relamp	LED Replacement for Linear Fluorescent Fixture	36	9.000	6.000
74	Yes	104	8760	B	SIGNAGE B CON	GATE TRIANGLE TYPE		841K	2.1.2ERB	10	2' FIXTURE, 1-F20/T12/STD LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	26	0.260	LED28.1	10	REPLACE, 1 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	8	0.080	0.180
75	Yes	104	8760	B	SIGNAGE B CON	GATE TRIANGLE TYPE		841K	3.1.3ERB	10	3' FIXTURE, 1-F30/T12/STD LAMPS, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	37	0.370	LED312.1	10	REPLACE, 1 - 12 WATT 3' LED TUBES	LED Replacement for Linear Fluorescent Fixture	12	0.120	0.250
76	Yes	104	8760	B	SIGNAGE B CON	GATE TRIANGLE TYPE		841K	4.1.3ELRB	10	4' FIXTURE, 1-F34/T12 LAMP, ELECTRONIC BALLAST	Fluorescent Fixture	32	0.320	LED418.1	10	REPLACE, 1 - 18WATT 4' LED TUBES New 1 Light Fixture	LED Replacement for Linear Fluorescent Fixture	18	0.180	0.140
77	Yes	104	8760	B	SIGNAGE A-CON	GATE TRIANGLE TYPE		841K	2.1.2ERB	5	2' FIXTURE, 1-F20/T12/STD LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	26	0.130	LED28.1	5	REPLACE, 1 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	8	0.040	0.090
78	Yes	104	8760	B	SIGNAGE A-CON	GATE TRIANGLE TYPE		841K	3.1.3ERB	5	3' FIXTURE, 1-F30/T12/STD LAMPS, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	37	0.185	LED312.1	5	REPLACE, 1 - 12 WATT 3' LED TUBES	LED Replacement for Linear Fluorescent Fixture	12	0.060	0.125
79	Yes	104	8760	B	SIGNAGE A-CON	GATE TRIANGLE TYPE		841K	4.1.3ELRB	5	4' FIXTURE, 1-F34/T12 LAMP, ELECTRONIC BALLAST	Fluorescent Fixture	32	0.160	LED418.1	5	REPLACE, 1 - 18WATT 4' LED TUBES New 1 Light Fixture	LED Replacement for Linear Fluorescent Fixture	18	0.090	0.070
80	Yes	104	8760	3	SIGNAGE B CON 3RD FLR	WAYFINDING		841K	8.1.6ERB	5	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	0.310	LED830.1	5	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	0.150	0.160
81	Yes	104	8760	2	SIGNAGE B CON 2ND FLR	WAYFINDING		841K	8.1.6ERB	12	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	0.744	LED830.1	12	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	0.360	0.384
82	Yes	104	8760	3	SIGNAGE A CON 3RD FLR	WAYFINDING		841K	8.1.6ERB	12	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	0.744	LED830.1	12	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	0.360	0.384
83	Yes	104	8760	2	SIGNAGE A CON 2ND FLR	WAYFINDING		841K	8.1.6ERB	4	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	0.248	LED830.1	4	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	0.120	0.128
84	Yes	104	8760	4	SINGAGE HH	WAYFINDING		841K	8.1.6ERB	64	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	3.968	LED830.1	64	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	1.920	2.048
85	Yes	104	8760	3	SINGAGE HH	WAYFINDING		841K	8.1.6ERB	52	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	3.224	LED830.1	52	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	1.560	1.664
86	Yes	104	8760	2	SINGAGE HH	WAYFINDING		841K	8.1.6ERB	32	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	1.984	LED830.1	32	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	0.960	1.024
87	Yes	104	8760	1	SINGAGE HH	WAYFINDING		841K	8.1.6ERB	16	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	0.992	LED830.1	16	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	0.480	0.512
88	Yes	104	8760	1	SINGAGE HH	DIRECTORY 5 SIGNS		841K	NR	40	No Retrofit	Fluorescent Fixture	0	0.000	NR	40	No Retrofit	Fluorescent Fixture	0	0.000	0.000
89	Yes	104	8760	1	SINGAGE A CON	TICKET COUNTES		841K	8.1.6ERB	144	8' FIXTURE, 1-F96/T12/ 60 WATT LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	62	8.928	LED830.1	144	REPLACE, 1 - 30 WATT 8' LED TUBES	LED Replacement for Linear Fluorescent Fixture	30	4.320	4.608
90	Yes	104	8760	1	SINGAGE A CON	TICKET COUNTES		841K	6.1.7ERB	144	6' FIXTURE, 1-F72/T12 LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	76	10.944	LED622.1	144	REPLACE, 1 - 22 WATT 6' LED TUBES	LED Replacement for Linear Fluorescent Fixture	22	3.168	7.776
91	Yes	104	8760	1	SINGAGE HH	TICKET COUNTES		841K	4.1.3ELRB	144	4' FIXTURE, 1-F34/T12 LAMP, ELECTRONIC BALLAST	Fluorescent Fixture	32	4.608	LED418.1	144	REPLACE, 1 - 18WATT 4' LED TUBES New 1 Light Fixture	LED Replacement for Linear Fluorescent Fixture	18	2.592	2.016
92	Yes	104	8760	1	SINGAGE HH	TICKET COUNTES		841K	2.1.2ERB	144	2' FIXTURE, 1-F20/T12/STD LAMP, ENERGY SAVING MAGNETIC BALLAST	Fluorescent Fixture	26	3.744	LED28.1	144	REPLACE, 1 - 8 WATT 2' LED TUBES	LED Replacement for Linear Fluorescent Fixture	8	1.152	2.592

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Location Information						Existing Fixture Information							Proposed Fixture Information											
Loc. #	Con Ed Eligibility	Group #	Op Hours	Floor	Location	Location Comments	Fixture Shape	Lamp Color	Audit Type	Existing Qty.	Existing Fixture Description	ICF Existing Equipment Types	Fixture Watts	Existing Kw	ECM Type	Retrofit Qty.	Retrofit Fixture Description	ICF Replacement Equipment Types	Fixture Watts	Retrofit Kw	kW Reduced			
93	Yes	104	8760	1	SINGAGE HH	TICKET SALES KIOSKS		841K	4.1.3ELRB	64	4' FIXTURE, 1-F34/T12 LAMP, ELECTRONIC BALLAST	Fluorescent Fixture	32	2.048	LED418.1	64	REPLACE, 1 - 18WATT 4' LED TUBES New 1 Light Fixture	LED Replacement for Linear Fluorescent Fixture	18	1.152	0.896			
94	Yes	104	8760	1	SINGAGE HH	TICKET SALES KIOSKS		841K	4.1.32ELP	192	4' FIXTURE, 1-F32/T8 LAMP, ELECTRONIC BALLAST - RELAMP ONLY	Lamps	32	6.144	LED418.1	192	REPLACE, 1 - 18WATT 4' LED TUBES New 1 Light Fixture	LED Replacement for Linear Fluorescent Fixture	18	3.456	2.688			
95	Yes	104	8760	3	HH 3RD	RETAIL SPOT LIGHTS		841K	P38.90	228	PAR 38 FLOOD 90 WATT INCANDESCENT	Incandescent Lamps	90	20.520	LED20PAR38	228	REPLACE E-LIGHT 20WATT PAR 38 LED	LED Replacement for Incandescent Lamps (pre-approved CE)	20	4.560	15.960			
96	Yes	104	8760	3	HH 3RD	RETAIL STACK LIGHT		841K	MH350	32	METAL HALIDE, 1-350 WATT LAMP	HID Fixture	380	12.160	NORIBACHI STANDARD	32	LED 129 W RETROFIT CUSTOM FIXTURE TO REPLACE 225w-450MH	LED Replacement for Linear Fluorescent Fixture	129	4.128	8.032			
97	Yes	104	8760	3	HH 3RD	RETAIL UP LIGHT		841K	MH1000	44	METAL HALIDE, 1-1000 WATT LAMP	HID Fixture	1080	47.520	NORIBACHI ELITE	44	LED 214 W RETROFIT CUSTOM FIXTURE TO REPLACE 450-850MH	LED Replacement for Linear Fluorescent Fixture	214	9.416	38.104			
98	Yes	104	8760	1	LRS 1ST & 2ND FLR	PAR		830K	P20.50D	98	PAR 20 FLOOD 50 WATT DIMMABLE INCANDESCENT	Incandescent Lamps	50	4.900	LED9WPAR20	98	REPLACE EPL 9 WATT PAR 20 LED	LED Replacement for Incandescent Lamps (pre-approved CE)	9	0.882	4.018			
99	Yes	104	8760	1	LOADING DOCK	LOWBAYS		841K	MH150	22	METAL HALIDE, 1-150 WATT LAMP	HID Fixture	190	4.180	RAB 52W LED	22	RAB LED 52 Watts Outdoor rated fixture	LED Replacement for Incandescent Lamps (pre-approved CE)	52	1.144	3.036			
100	Yes																							
101	Yes																							
Salesperson: Washington Cell Number: 8609216271							# of LOC	EXI QTY.							Existing Kw	Retrofit Qty.							TOT ECM KW	kW Reduced
							99	10432							871.387	10432							318.360	553.027