

---

# PHILADELPHIA INTERNATIONAL AIRPORT

## PHILADELPHIA, PA

### PHILADELPHIA GUARANTEED ENERGY SAVINGS PROJECT

#### VOLUME 2 OF 3

---



REVISION 1A – JULY 2, 2013

REVISION 1 – JUNE 12, 2013

**NORESKO, LLC**  
One Research Drive  
Westborough, MA 01581

Tel: (508) 614-1000  
Fax: (508) 836-9988

**Regional Offices:**

Amarillo, TX  
Atlanta, GA  
Baltimore, MD  
Boston, MA  
Cary, NC  
Chicago, IL  
Dallas, TX  
Denver, CO  
Edison, NJ  
Fairfax, VA  
Honolulu, HI  
Irvine, CA  
Mt. Laurel, NJ  
New York, NY  
Orlando, FL  
Phoenix, AZ  
Pittsburgh, PA  
Rochester, NY  
Shelton, CT



**Submitted By:**  
**NORESKO**

Paul Carter  
Senior Account Executive  
One Liberty Place  
1650 Market Street  
Philadelphia, PA 19103

P : (267) 386-4983  
C : (412) 849-5821  
E : [pcarter@noresko.com](mailto:pcarter@noresko.com)

## List of Lighting Acronyms (EXAMPLES)

### LIGHTING PRE CODES

A42/EE	2'x4' Recessed Troffer w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
A42/T5	2'x4' Recessed Troffer w/ (2) F28T5 Lamps & (1) Electronic Ballast
A42/T8L	2'x4' Recessed Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast
A42PB/EE	2'x4' Recessed Troffer w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast, Parabolic Diffuser
A42PB/T8L	2'x4' Recessed Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast, Parabolic Diffuser
A42X/EE	2'x4' Surface Mounted Box w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
A42X/T8L	2'x4' Surface Mounted Box w/ (2) F32T8 Lamps & (1) Electronic Ballast
A42XPB/EE	2'x4' Surface Mounted Box w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast, Parabolic Diffuser
A43/EE	2'x4' Recessed Troffer w/ (3) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts
A43/T5	2'x4' Recessed Troffer w/ (3) F28T5 Lamps & (1) Electronic Ballast
A43/T8L	2'x4' Recessed Troffer w/ (3) F32T8 Lamps & (1) Electronic Ballast
A43DS/T8L	2'x4' Recessed Troffer w/ (3) FO32T8 Lamps & (2) Electronic Ballasts, Dual Switched
A43PB/EE	2'x4' Recessed Troffer w/ (3) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts, Parabolic Diffuser
A43PB/T8L	2'x4' Recessed Troffer w/ (3) F32T8 Lamps & (2) Electronic Ballast, Parabolic Diffuser
A43UD/T8L	2'x4' Recessed Direct/Indirect Troffer w/ (3) F32T8 Lamps & (2) Electronic Ballast
A43X/EE	2'x4' Surface Mounted Box w/ (3) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts

a43xpb/T8L	2'x4' Surface Mounted Box w/ (3) F32T8 Lamps & (2) Electronic Ballast, Parabolic Diffuser
A44/EE	2'x4' Recessed Troffer w/ (4) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts
A44/T5	2'x4' Recessed Troffer w/ (4) F28T5 Lamps & (2) Electronic Ballast
A44/T8L	2'x4' Recessed Troffer w/ (4) FO32T8 Lamps & (2) Electronic Ballasts
A44D2/EE	2'x4' Recessed Troffer w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast, 4-Lamp Fixture De-lamped to 2
A44D2/T8L	2'x4' Recessed Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast, 4-Lamp Fixture De-lamped to 2
A44PB/EE	2'x4' Recessed Troffer w/ (4) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts, Parabolic Diffuser
A44PB/T8L	2'x4' Recessed Troffer w/ (4) FO32T8 Lamps & (2) Electronic Ballasts, Parabolic Diffuser
A44PC/EE	2'x4' Recessed Troffer w/ (4) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts, Paracube Lens
A44PC/T8L	2'x4' Recessed Troffer w/ (4) FO32T8 Lamps & (2) Electronic Ballasts, Paracube Lens
A44X/EE	2'x4' Surface Mounted Box w/ (4) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts
A44X/T8L	2'x4' Surface Mounted Box w/ (4) F32T8 Lamps & (2) Electronic Ballasts
A44XPB/EE	2'x4' Surface Mounted Box w/ (4) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts, Parabolic Lenses
B22/SS	2'x2' Recessed Troffer w/ (2) F20T12 Lamps & (1) Standard Magnetic Ballast
B22/T5	2'x2' Recessed Troffer w/ (2) F21T5 Lamps & (1) Electronic
B22/T8L	2'x2' Recessed Troffer w/ (2) FO17T8 Lamps & (1) Electronic Ballast
B22UD/T5	2'x2' Recessed Indirect Troffer w/ (2) F21T5 Lamps & (1) Electronic
B23/T5	2'x2' Recessed Troffer w/ (3) F21T5 Lamps & (1) Electronic
B23/T8L	2'x2' Recessed Troffer w/ (3) FO17T8 Lamps & (1) Electronic Ballast

B23PB/T8L	2'x2' Recessed Troffer w/ (3) FO17T8 Lamps & (1) Electronic Ballast, Parabolic Diffuser
B24P/T5	2'x2' Pendant Mounted Troffer w/ (4) F21T5 Lamps & (2) Electronic
B24PB/T8L	2'x2' Recessed Troffer w/ (4) FO17T8 Lamps & (1) Electronic Ballast, Parabolic Diffuser
BU1-5/82/T8L	2'x2' Recessed Troffer w/ (2) FB32T8 1-5/8"-U Lamps & (1) Electronic Ballast, Parabolic Diffuser
BU1-5/82PB/T8L	2'x2' Recessed Troffer w/ (2) FB32T8 1-5/8"-U Lamps & (1) Electronic Ballast, Parabolic Diffuser
BU1-5/83/T8L	2'x2' Recessed Troffer w/ (3) FB32T8 1-5/8"-U Lamps & (2) Electronic Ballast, Parabolic Diffuser
BU1-5/83PB/T8L	2'x2' Recessed Troffer w/ (3) FB32T8 1-5/8"-U Lamp & (2) Electronic Ballast, Parabolic Diffuser
BU62/EE	2'x2' Recessed Troffer w/ (2) FB40T12/34w 6"-U Lamps & (1) Energy Efficient Magnetic Ballast
BU62/T8L	2'x2' Recessed Troffer w/ (2) FB32T8 6"-U Lamps & (1) Electronic Ballast
BU62FPB/EE	2'x2' Recessed Flanged Troffer w/ (2) FB40T12/34w 6"-U Lamps & (1) Energy Efficient Magnetic Ballast, Parabolic Diffuser
BU62PB/EE	2'x2' Recessed Troffer w/ (2) FB40T12/34w 6"-U Lamps & (1) Energy Efficient Magnetic Ballast, Parabolic Diffuser
BU62PB/T8L	2'x2' Recessed Troffer w/ (2) FB32T8 6"-U Lamps & (1) Electronic Ballast, Parabolic Diffuser
C21/T5	1'x4' Recessed Troffer w/ (1) F21T5 Lamp & (1) Electronic Ballast
C31PB/T8L	1'x3' Recessed Troffer w/ (1) F25T8 Lamp & (1) Electronic Ballast, Parabolic Diffuser
C32FPB/T8L	1'x3' Recessed Flanged Troffer w/ (2) F25T8 Lamp & (1) Electronic Ballast, Parabolic Diffuser
C32PB/T8L	1'x3' Recessed Troffer w/ (2) F25T8 Lamp & (1) Electronic Ballast, Parabolic Diffuser
C41/T5	1'x4' Recessed Troffer w/ (1) F28T5 Lamp & (1) Electronic Ballast

C41PB/T8L	1'x4' Recessed Troffer w/ (1) F32T8 Lamp & (1) Electronic Ballast, Parabolic Diffuser
C41X/T5	1'x4' Surface Mounted Troffer w/ (1) F28T5 Lamp & (1) Electronic Ballast
C41XPB/T8L	1'x4' Surface Mounted Box w/ (1) F32T8 Lamp & (1) Electronic Ballast, Parabolic Diffuser
C42/EE	1'x4' Recessed Troffer w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
C42/T8L	1'x4' Recessed Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast
C42FPB/T8L	1'x4' Recessed Flanged Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast, Parabolic Lens
C42PB/EE	1'x4' Recessed Troffer w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast, Parabolic Diffuser
C42PB/T5HO	1'x4' Recessed Troffer w/ (2) F54T5HO Lamps & (1) Electronic Ballast, Parabolic Diffuser
C42PB/T8L	1'x4' Recessed Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast, Parabolic Diffuser
C42TP/T8L	1'x4' Tamper Proof Recessed Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast
C42WM/T5	1'x4' Wall Mounted Troffer w/ (2) F28T5 Lamp & (1) Electronic Ballast
C42WM/T8L	1'x4' Wall Mounted Box w/ (2) F32T8 Lamps & (1) Electronic Ballast
C42X/EE	1'x4' Surface Mounted Box w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
C42X/T5	1'x4' Surface Mounted Troffer w/ (2) F28T5 Lamp & (1) Electronic Ballast
C42X/T8L	1'x4' Surface Mounted Box w/ (2) F32T8 Lamps & (1) Electronic Ballast
C42XPB/EE	1'x4' Surface Mounted Box w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast, Parabolic Lens
C42XPB/T8L	1'x4' Surface Mounted Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast, Parabolic Diffuser
C43XPB/EE	1'x4' Surface Mounted Troffer w/ (3) F40T12/34w Lamps & (2) Magnetic Ballasts, Parabolic Lens

C44/T8L	1'x4' Recessed Troffer w/ (4) FO32T8 Lamps & (1) Electronic Ballast
C44X/EE	1'x4' Surface Mounted Troffer w/ (4) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts
C52PB/T8L	1'x4' Recessed Troffer w/ (2) FO40T8 Lamp & (1) Electronic Ballasts, Parabolic Diffuser
C632PB/T8L	1'x6' Recessed Troffer w/ (2) F25T8 Lamps & (1) Electronic Ballast, Parabolic Lens
C634PB/T8L	1'x6' Recessed Troffer w/ (4) FO25T8 Lamps & (1) Electronic Ballast, Parabolic Diffuser
C842/T5	1'x8' Recessed Troffer w/ (2) F28T5 Lamp & (1) Electronic Ballast
C842PB/T8L	1'x8' Recessed Troffer w/ (2) F32T8 Lamps & (1) Electronic Ballast, Parabolic Lens
C842XPB/EE	1'x8' Surface Mounted Box w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast, Parabolic Lens
CF13SI	Incandescent Fixture w/ 13w Screw-In Compact Fluorescent Lamp
CF15SI	Incandescent Fixture w/ 15w Screw-In Compact Fluorescent Lamp
CF1X09DL	Compact Fluorescent Downlight Fixture w/ (1) 9 Watt Compact Fluorescent Lamp
CF1X13	Compact Fluorescent Fixture w/ 13w Compact Fluorescent Lamp & Magnetic Ballast
CF1X13DL	Compact Fluorescent Downlight Fixture w/ (1) 13w Compact Fluorescent Lamp & Magnetic Ballast
CF1X13J	Compact Fluorescent Jelly Jar Fixture w/ 13w Compact Fluorescent Lamp & Magnetic Ballast
CF1X18WP	Compact Fluorescent Wall Pack Fixture w/ (1) 18w Compact Fluorescent Lamp & Magnetic Ballast
CF1X26J	Compact Fluorescent Jelly Jar Fixture w/ (1) 26w Compact Fluorescent Lamp & Magnetic Ballast
CF1X26QDL	Compact Fluorescent Downlight Fixture w/ (1) 26w Compact Fluorescent Quad Lamp & Electronic Ballast

CF1X26QWP	Compact Fluorescent Wall Pack w/ (1) 26w Compact Fluorescent Quad Lamp & Electronic Ballast
CF1X26TCYL	Compact Fluorescent Cylinder Downlight Fixture w/ (1) 26w Compact Fluorescent Triple Tube Lamp & Electronic Ballast
CF1X26TDL	Compact Fluorescent Downlight Fixture w/ (1) 26w Compact Fluorescent Triple Tube Lamp & Electronic Ballast
CF1X26TDLDIM	Compact Fluorescent Downlight Fixture w/ (1) 26w Compact Fluorescent Triple Tube Lamp & Electronic Dimming Ballast
CF1X26TWSDIM	Compact Fluorescent Wall Sconce Fixture w/ (1) 26w Compact Fluorescent Triple Tube Lamp & Electronic Dimming Ballast
CF1X26WM	Compact Fluorescent Fixture w/ (1) 26w Compact Fluorescent Lamp & Magnetic Ballast, Wall Mounted
CF1X26WP	Compact Fluorescent Wall Pack w/ (1) 26w Compact Fluorescent Lamp & Magnetic Ballast
CF1X32DL	Compact Fluorescent Downlight Fixture w/ (1) 32w Lamp and (1) Electronic Ballast
CF1X32DLDIM	Compact Fluorescent Downlight Fixture w/ (1) 32w Compact Fluorescent Triple Tube Lamp & Electronic Dimming Ballast
CF1X32DR	Compact Fluorescent Drum Fixture w/ (1) 32w Lamp and (1) Electronic Ballast
CF1X32TDL	Compact Fluorescent Downlight Fixture w/ (1) 32w Compact Fluorescent Triple Tube Lamp and (1) Electronic Ballast
CF1X42CYL	Compact Fluorescent Cylinder Downlight Fixture w/ (1) 42w Compact Fluorescent Triple Tube Lamp & Electronic Ballast
CF1X42DL	Compact Fluorescent Downlight Fixture w/ (1) 42w Lamp and (1) Electronic Ballast
CF1X42TDL	Compact Fluorescent Downlight Fixture w/ (1) 42w Compact Fluorescent Triple Tube Lamp and (1) Electronic Ballast
CF1X42WP	Compact Fluorescent Wall Pack Fixture w/ (1) 42w Lamp and (1) Electronic Ballast
CF20SI	Incandescent Fixture w/ 20w Screw-In Compact Fluorescent Lamp

CF23SI	Incandescent Fixture w/ 23w Screw-In Compact Fluorescent Lamp
CF2X13	Compact Fluorescent Fixture w/ (2) 13w Compact Fluorescent Lamps & Magnetic Ballast
CF2X13DL	Compact Fluorescent Downlight Fixture w/ (2) 13w Compact Fluorescent Lamps & Magnetic Ballast
CF2X13DR	Compact Fluorescent Drum Fixture w/ (2) 13w Compact Fluorescent Lamp & Magnetic Ballast
CF2X13WM	Compact Fluorescent Wall Mounted Fixture w/ (2) 13w Compact Fluorescent Lamps & Magnetic Ballast
CF2X26DL	Compact Fluorescent Downlight Fixture w/ (2) 26w Compact Fluorescent Lamp & Magnetic Ballast
CF2X26QCYL	Compact Fluorescent Cylinder Downlight Fixture w/ (1) 26w Compact Fluorescent Quad Tube Lamp & Electronic Ballast
CF2X26QDL	Compact Fluorescent Downlight Fixture w/ (2) 26w Compact Fluorescent Quad Tube Lamp & Electronic Ballast
CF2X26QDLDIM	Compact Fluorescent Downlight Fixture w/ (2) 26w Compact Fluorescent Quad Tube Lamp & Electronic Dimming Ballast
CF2X26TDL	Compact Fluorescent Downlight Fixture w/ (2) 26w Compact Fluorescent Triple Tube Lamp & Electronic Ballast
CF2X26TSQ	Compact Fluorescent Square Fixture w/ (2) 26w Compact Fluorescent Triple Tube Lamp & Electronic Ballast
CF2X32DL	Compact Fluorescent Downlight Fixture w/ (2) 32w Lamp and (1) Electronic Ballast
CF2X32TR	Compact Fluorescent Track Fixture w/ (2) 32w Lamp and (1) Electronic Ballast
CF2X32WS	Compact Fluorescent Wall Sconce Fixture w/ (2) 32w Lamps and Electronic Ballasts
CF2X42CYL	Compact Fluorescent Surface Cylinder Fixture w/ (2) 42w Lamp and (1) Electronic Ballast
CF2X42TR	Compact Fluorescent Track Fixture w/ (2) 42w Lamp and (1) Electronic Ballast



CF2X42WP	Compact Fluorescent Wall Pack Fixture w/ (2) 42w Lamp and (1) Electronic Ballast
CF3X26TDL	Compact Fluorescent Down light Fixture w/ (3) 26w Compact Fluorescent Triple Tube Lamps & (2) Electronic Ballast
CF3X32DL	Compact Fluorescent Downlight Fixture w/ (3) 32w Compact Fluorescent Triple Tube Lamp and (2) Electronic Ballast
CF4X32T	Compact Fluorescent Recessed Fixture w/ (4) 32w Compact Fluorescent Triple Tube Lamp and (2) Electronic Ballast
CF8X26THB	Compact Fluorescent High Bay Fixture w/ (8) 26w Compact Fluorescent Triple Tube Lamp & (4) Electronic Ballast
E2X07CF	Exit Sign w/ (2) 7 Watt Compact Fluorescent Lamps
E2X15	Exit Sign w/ (2) 15 Watt Incandescent Lamps
E2X20	Exit Sign w/ (2) 20 Watt Incandescent Lamps
EEDGEF6T5	Edge-Lit Exit Sign w/ (2) F6T5 Lamps
EEDGELED	Edge-Lit Exit Sign w/ LED
ELED	Exit Sign w/ LED
ELEDEM	Exit Sign w/ LED, Emergency Lights
FT1X40B	2'x2' Recessed Troffer w/ (1) FT40T5 Lamp & Electronic Ballast
ft1x40cww	1'x4' Recessed Troffer w/ (1) FT40T5 Lamp & Electronic Ballast, Wall Wash
FT1x40S	Strip Fixture w/ (1) FT40T5 Lamp & Electronic Ballast
FT2X40B	2'x2' Recessed Troffer w/ (2) FT40T5 Lamps & Electronic Ballast
FT2X40BIND	2'x2' Recessed Indirect Troffer w/ (2) FT40T5 Lamps & Electronic Ballast
FT2X40BPB	2'x2' Recessed Troffer w/ (2) FT40T5 Lamps & Electronic Ballast, Parabolic Diffuser
FT2X40C	1'x2' Recessed Troffer w/ (2) FT40T5 Lamps & Electronic Ballast
FT2X40WP	Wall Pack Fixture w/ (2) FT40T5 Lamps & Electronic Ballast
FT3X40B	2'x2' Recessed Troffer w/ (3) FT40T5 Lamps & (2) Electronic Ballasts

---

FT4X40WP	Wall Pack Fixture w/ (4) FT40T5 Lamps & (2) Electronic Ballast
H41/EE	4' Industrial Hood w/ (1) F40T12/34w Lamp & (1) Energy Efficient Magnetic Ballast
H42/EE	4' Industrial Hood w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
H42/T8L	4' Industrial Hood w/ (2) F32T8 Lamps & (1) Electronic Ballast
H43/EE	4' Industrial Hood w/ (3) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts
H43/T8L	4' Industrial Hood w/ (3) FO32T8 Lamps & (1) Electronic Ballast
H44/EE	4' Industrial Hood w/ (4) F40T12/34w Lamps & (2) Energy Efficient Magnetic Ballasts
H44/T8L	4' Industrial Hood w/ (4) FO32T8 Lamps & (2) Electronic Ballasts
H842/EE	8' Industrial Hood w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
H882/ES	8' Industrial Hood w/ (2) F96T12/65w Lamps & (1) Standard Magnetic Ballast
H883VHO/SS	8' Industrial Hood w/ (3) F96T12VHO/215w Lamps & (2) Standard VHO Magnetic Ballasts
HPS1000	HID Fixture w/ (1) 1000w High Pressure Sodium
HPS1000FL	HID Flood Fixture w/ (1) 1000w High Pressure Sodium
HPS100BOX	HID Fixture w/ (1) 100w High Pressure Sodium, Surface Mounted Box
HPS100BOXQR	HID Fixture w/ (1) 100w High Pressure Sodium, Surface Mounted Box, w/ Quart Restrike
HPS100DL	HID Downlight Fixture w/ (1) 100w High Pressure Sodium
HPS100DLQR	HID Downlight Fixture w/ (1) 100w High Pressure Sodium w/ Quart Restrike
HPS100R	HID Recessed Fixture w/ (1) 100w High Pressure Sodium
HPS100WP	HID Fixture w/ (1) 100W High Pressure Sodium Wallpack
HPS100WPQR	HID Fixture w/ (1) 100W High Pressure Sodium Wallpack, w/ Quartz Restrike
HPS150	HID Fixture w/ (1) 150w High Pressure Sodium

---

HPS150BOX	HID Fixture w/ (1) 150w High Pressure Sodium, Surface Mounted Box
HPS150BOXQR	HID Fixture w/ (1) 150w High Pressure Sodium, Surface Mounted Box, w/Quartz Restrike
HPS150CYL	HID Surface Mounted Cylinder Fixture w/ (1) 150w High Pressure Sodium
HPS150WP	HID Fixture w/ (1) 150w High Pressure Sodium, Wall Pack
hps150wpqr	HID Fixture w/ (1) 150w High Pressure Sodium, Wall Pack, Quartz Restrike
hps150x	HID Surface Mounted Fixture w/ (1) 150w High Pressure Sodium
hps200x	HID Surface Mounted Fixture w/ (1) 200w High Pressure Sodium
HPS250	HID Fixture w/ (1) 250w High Pressure Sodium
HPS250FL	HID Flood Fixture w/ (1) 250w High Pressure Sodium
Hps250wm	HID Fixture w/ (1) 250w High Pressure Sodium, Wall Mounted
HPS250WP	HID Fixture w/ (1) 250w High Pressure Sodium, Wall Packed
HPS2X1000	HID Fixture w/ (2) 1000w High Pressure Sodium Lamps and Ballast
HPS2X400	HID Fixture w/ (2) 400w High Pressure Sodium
HPS2X400POLE	Pole Mounted HID Fixture w/ (2) 400w High Pressure Sodium Lamps
HPS400	HID Fixture w/ (1) 400w High Pressure Sodium
HPS400FL	HID Flood Fixture w/ (1) 400w High Pressure Sodium
HPS400POLE	Pole Mounted HID Fixture w/ (1) 400w High Pressure Sodium
HPS400X	HID Surface Mounted Fixture w/ (1) 400w High Pressure Sodium
HPS4X1000	HID Fixture w/ (4) 1000w High Pressure Sodium Lamps and Ballast
HPS4X400	HID Fixture w/ (4) 400w High Pressure Sodium
hps50	HID Fixture w/ (1) 50w High Pressure Sodium Lamp & Ballast
I1X100	Incandescent Fixture w/ (1) 100w Incandescent Lamp
I1X100DL	Incandescent Downlight Fixture w/ (1) 100w Incandescent Lamp
I1X100PAR38SP	Incandescent Fixture w/ (1) 100w PAR38 Spot Lamp

I1X100VAN	Incandescent Vanity Fixture w/ (1) 100w Incandescent Lamp
I1X100WM	Incandescent Fixture w/ (1) 100w Incandescent Lamp, Wall Mounted
I1X100WS	Incandescent Wall Sconce w/ (1) 100w Incandescent Lamp
I1X150DL	Incandescent Downlight Fixture w/ (1) 150w Incandescent Lamp
I1X300PAR56	Incandescent Fixture w/ (1) 300w Incandescent PAR56 Lamp
i1x35hal	Incandescent Fixture w/ (1) 35w Incandescent Halogen Lamp
I1X45FL	Incandescent Flood Fixture w/ (1) 45w Incandescent BR30 Lamp
I1X50MR16DIM	Incandescent Fixture w/ 50w MR16 Lamp, Dimmer Controlled
I1X50MR16DL	Incandescent Downlight Fixture w/ 50w MR16 Lamp
I1X50MR16TR	Incandescent Track Light Fixture w/ (1) 50w MR-16 Lamp
I1X60B/130V	Incandescent Bare Lamp Fixture w/ (1) 60w 130v Incandescent Lamp
I1X60DL	Incandescent Downlight Fixture w/ (1) 60w Incandescent Lamp
I1X65R40DL	Incandescent Downlight Fixture w/ (1) 65w Incandescent Lamp
I1X70TR	Incandescent Track Fixture w/ (1) 70w Incandescent Lamp
I1X75DL	Incandescent Downlight Fixture w/ (1) 75w Incandescent Lamp
I1X75PAR38TR	Incandescent Track Fixture w/ (1) 75w Incandescent PAR38 Lamp
I1X90PAR38FL	Incandescent Flood Fixture w/ (1) 90w PAR38 Incandescent Lamp
i2x65PAR38FL	Incandescent Flood Fixture w/ (2) 65w Incandescent PAR 38 Lamp
I8X60VAN	Incandescent Vanity Fixture w/ (8) 60w Incandescent Lamps
LED1X86PM	LED Pole Mounted Fixture w/ (1) 86w LED
LOCKED	Room Inaccessible During Audit
mh100	HID Fixture w/ (1) 100w Metal Halide Lamp & Ballast
MH100BOX	HID Box Fixture w/ (1) 100w Metal Halide Lamp & Ballast
MH100CYL	HID Downlight Cylinder Fixture w/ (1) 100w Metal Halide Lamp & Ballast

---

MH100CYL-7.5	HID Downlight Cylinder Fixture w/ (1) 100w Metal Halide Lamp & Ballast, 7.5" Trim
MH100CYL-9.5	HID Downlight Cylinder Fixture w/ (1) 100w Metal Halide Lamp & Ballast, 9.5" Trim
MH100DL	HID Downlight Fixture w/ (1) 100w Metal Halide Lamp & Ballast
MH100DL-6.5	HID Downlight Fixture w/ (1) 100w Metal Halide Lamp & Ballast, 6.5" Trim
MH100DL-7.5	HID Downlight Fixture w/ (1) 100w Metal Halide Lamp & Ballast, 7.5" Can
mh100dl-7.5qr	HID Downlight Fixture w/ (1) 100w Metal Halide Lamp & Ballast. 7.5" Trim w/ Quartz Restrike
MH100DL-8	HID Downlight Fixture w/ (1) 100w Metal Halide Lamp & Ballast, 8" Can
MH100DL-9.5	HID Downlight Fixture w/ (1) 100w Metal Halide Lamp & Ballast, 9.5" Can
MH100SQ12	HID Fixture w/ (1) 100w Metal Halide Lamp & Ballast, Square 12x12
MH100UP	HID Up Light Fixture w/ (1) 100w Metal Halide Lamp & Ballast
MH100WMQR	HID Wall Mounted Fixture w/ (1) 100w Metal Halide Lamp & Ballast, w/ Quartz Restrike
MH100WP	HID Wall Pack Fixture w/ (1) 100w Metal Halide Lamp & Ballast
MH100WPQR	HID Wall Pack Fixture w/ (1) 100w Metal Halide Lamp & Ballast, w/ Quartz Restrike
MH150BOX	HID Shoe Box Fixture w/ (1) 150w Metal Halide Lamp & Ballast
MH150DL-10	HID Downlight Fixture w/ (1) 150w Metal Halide Lamp & Ballast 10" Trim
MH150DL-10QR	HID Downlight Fixture w/ (1) 150w Metal Halide Lamp & Ballast 10" Trim w/ Quartz Restrike
mh150fl	HID Flood Fixture w/ (1) 150w Metal Halide Lamp & Ballast
MH150WP	HID Wall-Pack Fixture w/ (1) 150w Metal Halide Lamp & Ballast
MH150WPQR	HID Wall-Pack Fixture w/ (1) 150w Metal Halide Lamp & Ballast, w/ Quartz Restrike
MH150WS	HID Wall Sconce Fixture w/ (1) 150w Metal Halide Lamp & Ballast
MH175BOX	HID Box Fixture w/ (1) 175w Metal Halide Lamp & Ballast

MH175CYL-9.5	HID Cylinder Fixture w/ (1) 175w Metal Halide Lamp & Ballast, w/ 9.5" Trim
mh175dl-8qr	HID Downlight Fixture w/ (1) 175w Metal Halide Lamp & Ballast, 8" Trim, w/ Quartz Restrike
MH175DL-9.5	HID Downlight Fixture w/ (1) 175w Metal Halide Lamp & Ballast, 9.5" Trim
MH175LB	HID Low Bay Fixture w/ (1) 175w Metal Halide Lamp & Ballast
MH175WP	HID Wall Pack Fixture w/ (1) 175w Metal Halide Lamp & Ballast
MH250CYL-9.5	HID Cylinder Fixture w/ (1) 250w Metal Halide Lamp & Ballast, 9.5" Trim
mh250cyl-9.5qr	HID Cylinder Fixture w/ (1) 250w Metal Halide Lamp & Ballast, 9.5" Trim w/ Quartz Restrike
MH250DL-9.5	HID Down Light Fixture w/ (1) 250w Metal Halide Lamp & Ballast, 9.5" Trim
mh250fl	HID Flood Fixture w/ (1) 250w Metal Halide Lamp & Ballast
MH250LB	HID Low Bay Fixture w/ (1) 250w Metal Halide Lamp & Ballast
MH250UP	HID Indirect Fixture w/ (1) 250w Metal Halide Lamp & Ballast
MH250WP	HID Wall-Pack Fixture w/ (1) 250w Metal Halide Lamp & Ballast
MH2X250UP	HID Indirect Fixture w/ (2) 250w Metal Halide Lamp & (2)Ballast
MH39DL	HID Downlight Fixture w/ (1) 39w Metal Halide Lamp & Ballast
MH400DL	HID down Light Fixture w/ (1) 400w Metal Halide Lamp & Ballast
MH400FL	HID Flood Fixture w/ (1) 400w Metal Halide Lamp & Ballast
MH400HB	HID High Bay Fixture w/ (1) 400w Metal Halide Lamp & Ballast
MH400HBQR	HID High Bay Fixture w/ (1) 400w Metal Halide Lamp & Ballast, Quartz Restrike
MH400UP	HID Indirect Fixture w/ (1) 400w Metal Halide Lamp & Ballast
MH50	HID Fixture w/ (1) 50w Metal Halide Lamp & Ballast
mh50cyl	HID Cylinder Fixture w/ (1) 50w Metal Halide Lamp & Ballast
MH50DL	HID Downlight Fixture w/ (1) 50w Metal Halide Lamp & Ballast
MH50DL-10.5	HID Downlight Fixture w/ (1) 50w Metal Halide Lamp & Ballast, 10.5" Trim
MH50DL-6.5	HID Downlight Fixture w/ (1) 50w Metal Halide Lamp & Ballast, 6.5" Trim

---

MH50DL-6.5QR	HID Downlight Fixture w/ (1) 50w Metal Halide Lamp & Ballast, 6.5" Trim, w/ Quartz Restrike
MH50DL-7.5	HID Downlight Fixture w/ (1) 50w Metal Halide Lamp & Ballast, 7.5" Trim
MH50DL-7.5QR	HID Downlight Fixture w/ (1) 50w Metal Halide Lamp & Ballast, 7.5" Trim, w/ Quartz Restrike
MH50WP	HID Wall pack Fixture w/ (1) 50w Metal Halide Lamp & Ballast
MH50WPQR	HID Wall pack Fixture w/ (1) 50w Metal Halide Lamp & Ballast w/ Quartz Restrike
MH70BO	HID Bollard Fixture w/ (1) 70w Metal Halide Lamp & Ballast
mh70cyl	HID Downlight Cylinder Fixture w/ (1) 70w Metal Halide Lamp & Ballast
MH70DL-6.5	HID Downlight Fixture w/ (1) 70w Metal Halide Lamp & Ballast, 6.5" Trim
MH70DL-6.5QR	HID Downlight Fixture w/ (1) 70w Metal Halide Lamp & Ballast, 6.5" Trim w/ Quartz Restrike
MH70DL-7.5	HID Downlight Fixture w/ (1) 70w Metal Halide Lamp & Ballast, 7.5" Trim
MH70DL-8	HID Downlight Fixture w/ (1) 70w Metal Halide Lamp & Ballast, 8" Trim
MH70DL-8QR	HID Downlight Fixture w/ (1) 70w Metal Halide Lamp & Ballast, 8" Trim w/ Quartz Restrike
mh70wp	HID Wall Pack Fixture w/ (1) 70w Metal Halide Lamp & Ballast
MH70WS	HID Wall Sconce Fixture w/ (1) 70w Metal Halide Lamp & Ballast
MV175CYL-9.5	HID Down Light Cylinder Fixture w/ (1) 175w Mercury Vapor Lamp & Ballast, 9.5" Trim
MV175DL-9.5	Down Light HID Fixture w/ (1) 175w Mercury Vapor Lamp & Ballast, 9.5" Trim
MV175LB	HID Low Bay Fixture w/ (1) 175w Mercury Vapor Lamp & Ballast
MV250CYL-9.5	HID Cylinder Fixture w/ (1) 250w Mercury Vapor Lamp & Ballast, 9.5" Trim
mv250cyl-9.5qr	HID Cylinder Fixture w/ (1) 250w Mercury Vapor Lamp & Ballast, 9.5" Trim, w/ Quartz Restrike
MV250DL-9.5	HID Down Light Fixture w/ (1) 250w Mercury Vapor Lamp & Ballast, 9.5" Trim

mv250dl-9.5qr	HID Down Light Fixture w/ (1) 250w Mercury Vapor Lamp & Ballast, 9.5" Trim, w/ Quartz Restrike
mv250wpqr	HID Wall-Pack Fixture w/ (1) 250w Mercury Vapor Lamp & Ballast w/ Quartz Restrike
MV2X400	HID Fixture w/ (2) 400w Mercury Vapor Lamps & Ballast
mv400	HID Fixture w/ (1) 400w Mercury Vapor Lamp & Ballast
mv70cyl	HID Cylinder Fixture w/ (1) 70w Mercury Vapor Lamp & Ballast
mv70dl	HID Downlight Fixture w/ (1) 70w Mercury Vapor Lamp & Ballast
NA	No Access. Area inaccessible during audit.
NEF	No existing fixture. Proposed addition to facility.
NPR	No possible retrofit
QZ300FL	Incandescent Quartz Flood Fixture w/ (1) 300w Quartz Lamp
QZ500FL	Incandescent Quartz Flood Fixture w/ (1) 500w Quartz Lamp
RU65/T8L	Round Recessed Troffer w/ (5) FB32T8 6"-U Lamps & (2) Electronic Ballast
S1052/T8L	10' Strip Fluorescent w/ (2) FO40T8 Lamps & (1) Electronic Ballasts
S1052HO/SS	10' Strip Fluorescent w/ (2) F60T12HO Lamp & (1) Standard HO Magnetic Ballast
S1243/T8L	12' Strip Fluorescent w/ (3) FO32T8 Lamps & (1) Electronic Ballast
S21/T5	2' Strip Fluorescent w/ (1) FO21T5 Lamp & (1) Electronic T5 Ballast
S21/T8L	2' Strip Fluorescent w/ (1) FO20T8 Lamp & (1) Electronic Ballast
S22/SS	2' Strip Fluorescent w/ (2) F20T12 Lamps & (1) Standard Magnetic Ballast
S22/T8L	2' Strip Fluorescent w/ (2) FO17T8 Lamps & (1) Electronic Ballast
S31/T8L	3' Strip Fluorescent w/ (1) FO25T8 Lamp & (1) Electronic Ballast
S32/SS	3' Strip Fluorescent w/ (2) F30T12 Lamps & (1) Standard Magnetic Ballast
S32/T8L	3' Strip w/ (2) F25T8 Lamps & (1) Electronic Ballasts
S41/EE	4' Strip Fluorescent w/ (1) F40T12/34w Lamp & (1) Energy Efficient Magnetic Ballast



---

S41/T5	4' Strip Fluorescent w/ (1) FO28T5 Lamp & (1) Electronic T5 Ballast
S41/T8L	4' Strip Fluorescent w/ (1) F32T8 Lamp & (1) Electronic Ballast
S41PB/T8L	4' Strip Fluorescent w/ (1) F32T8 Lamp & (1) Electronic Ballast, Parabolic Diffuser
S41X/EE	4' Strip Fluorescent w/ (1) F40T12/34w Lamp & (1) Energy Efficient Magnetic Ballast, Surface Mounted
S42/EE	4' Strip Fluorescent w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
S42/T5	4' Strip Fluorescent w/ (2) F32T8 Lamps & (1) Electronic T5Ballast
S42/T8L	4' Strip Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast
S42PB/T8L	4' Strip Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast, Parabolic Diffuser
S42WM/T8L	4' Strip Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast, Wall Mounted
S51/T8L	4' Strip Fluorescent w/ (1) FO40T8 Lamp & (1) Electronic Ballasts
S51HO/SS	5' Strip Fluorescent w/ (1) F60T12HO Lamp & (1) Standard HO Magnetic Ballast
S632/T8L	6' Strip Fluorescent w/ (2) F25T8 Lamps & (1) Electronic Ballasts
S634/T8L	6' Strip Fluorescent w/ (4) FO25T8 Lamps & (1) Electronic Ballast
S662/ES	6' Strip Fluorescent w/ (2) F72T12/55w Lamps & (1) Standard Magnetic Ballast
S663/SS	6' Strip Fluorescent w/ (3) F72T12/55w Lamps & (2) Standard Magnetic Ballast
S842/T8L	8' Strip Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast
S881/ES	8' Strip Fluorescent w/ (1) F96T12/65w Lamp & (1) Standard Magnetic Ballast
S881VHO/SS	8' Strip Fluorescent w/ (1) F96T12VHO/215w Lamp & (1) Standard VHO Magnetic Ballast
S882/ES	8' Strip Fluorescent w/ (2) F96T12/65w Lamps & (1) Standard Magnetic Ballast
S933/T8L	9' Strip Fluorescent w/ (3) F25T8 Lamps & (1) Electronic Ballasts
UC21/T5	2' Under-Cabinet Fluorescent w/ (1) F21T5 Lamp & (1) Electronic Ballast
UD41/T5	4' Uplight/Downlight Fluorescent w/ (1) FO28T5 Lamp & (1) Electronic T5 Ballast

UD42/T8L	4' Uplight/Downlight Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast
UD42DIM/T8L	4' Uplight/Downlight Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast, Dimmer Controlled
UD42T5	4' Direct/Indirect fixture w/ (2) F28T5 Lamps & (1) Electronic Ballast
UD53WM/T8L	5' Uplight/Downlight Wall Mounted Fixture w/ (3) F40T8 (40w) Lamp & (1) Electronic Ballast
UD844DIM/T8L	8' Uplight/Downlight Fluorescent w/ (4) FO32T8 Lamps & (1) Electronic Ballast, Dimmer Controlled
V21/T8L	2' Vanity Fixture w/ (1) FO17T8 Lamp & (1) Electronic Ballast
V22/SS	2' Vanity Fixture w/ (2) F20T12 Lamps & (1) Standard Magnetic Ballast
V22/T8L	2' Vanity Fixture w/ (2) FO17T8 Lamps & (1) Electronic Ballast
V32/SS	3' Vanity Fixture w/ (2) F30T12 Lamps & (1) Standard Magnetic Ballast
V32/T8L	3' Vanity Fixture w/ (2) F25T8 Lamp & (1) Electronic Ballast
V41/EE	4' Vanity Luminaire w/ (1) F40T12/34w Lamp & (1) Energy Efficient Magnetic Ballast
V41/T8L	4' Vanity Luminaire w/ (1) F32T8 Lamp (1) Electronic Ballast,
V42/EE	4' Vanity Luminaire w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
V42/T8L	4' Vanity Luminaire w/ (2) F32T8 Lamps & (1) Electronic Ballast
V662/ES	6' Vanity Fixture w/ (2) F72T12/55w Lamps & (1) Standard Magnetic Ballast
V882/ES	8' Vanity Luminaire w/ (2) F96T12/65w Lamps & (1) Standard Magnetic Ballast
VP42/EE	4' Vapor-Tight Wrap w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
VP42/T5	4' Vapor-Tight Wrap w/ (2) FO28T5 Lamp & (1) Electronic T5 Ballast
VP42/T8L	4' Vapor-Tight Wrap w/ (2) F32T8 Lamps & (1) Electronic Ballast
VP42WM/EE	4' Vapor-Tight Wrap w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast, Wall Mounted

VP42X/EE	4' Vapor-Tight Wrap w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast, Surface Mount
VP43/T8L	4' Vapor-Tight Wrap w/ (3) FO32T8 Lamps & (1) Electronic Ballast
vp882HO/ES	8' Vapor-Tight Wrap w/ (2) F96T12HO/95w Lamps & (1) Standard HO Magnetic Ballast
w22/ss	2' Wrap Fluorescent w/ (2) F20T12 Lamps & (1) Standard Magnetic Ballast
W42/EE	4' Wrap Fluorescent w/ (2) F40T12/34w Lamps & (1) Energy Efficient Magnetic Ballast
W42/T8E	4' Wrap Fluorescent w/ (2) F32T8 Lamps & (1) Energy Efficient Magnetic Ballast
W42/T8L	4' Wrap Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast
W42TP/T8L	4' Wrap Tamper Proof Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast
W42WM/T8L	4' Wrap Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast, Wall Mounted
W42X/T8L	4' Wrap Fluorescent w/ (2) F32T8 Lamps & (1) Electronic Ballast, Surface mounted
W44/T8L	4' Wrap Fluorescent w/ (4) FO32T8 Lamps & (2) Electronic Ballasts
W632/T8L	6' Wrap Fluorescent w/ (2) F25T8 Lamp & (1) Electronic Ballast

#### LIGHTING POST CODES

CF13SI	Re-lamp w/ (1) 13 watt Compact Fluorescent Screw-In
CF1X32DLR-7.5/28W	Retrofit w/ Downlight Retrofit Kit w/ (1) 28w CF Lamp & Electronic Ballast, 7.5 Trim
CF23R40SI	Re-lamp w/ (1) 23 watt R40 Compact Fluorescent Lamp Screw-In
CF23SI	Re-lamp w/ (1) 23 watt Compact Fluorescent Screw-In
CF2X26HDLR-6.5/21W	Retrofit w/ Downlight Retrofit w/ (2) 21 watt CF Lamp & Electronic Ballast, 6.5" Trim, Horizontal Lamp
cf2x26hdlr-7.5/21w	Retrofit Downlight w/ (2) 21 watt CF Lamps & Electronic Ballast, 7.5" Trim, Horizontal Lamp

CF2X26HDLR-8/21W	Retrofit w/ Downlight Retrofit w/ (2) 21 watt CF Lamp & Electronic Ballast, 8" Trim, Horizontal Lamp
cf2x26sq12/21w	Retrofit 12x12 Fixture w/ Hardwire Retrofit Kit w/(2) 21 watt CF Lamp & Electronic Ballast
CF2X32HDLR-8/28W	Retrofit w/ Downlight Retrofit w/ (2) 28 watt CF Lamp & Electronic Ballast, 8" Trim, Horizontal Lamp
CF2X32HDLR-9.5/28W	Retrofit w/ Downlight Retrofit w/ (2) 28 watt CF Lamp & Electronic Ballast, 9.5" Trim, Horizontal Lamp
cf2x32ws/28W	New Wall Sconce Fixture w/ (2) 28w CF Lamps & Electronic Ballast
cf2x42hdlr-8/38w	Retrofit Downlight w/ (2) 38 watt CF Lamps & Electronic Ballasts, 8" Trim, Horizontal Lamp
CF2X42HDLR-9.5/38W	Downlight Horizontal Retrofit Kit w/ (2) 38 watt CF Lamp & Electronic Ballast, 9.5 Trim
CF2X42HDLR-9/38W	Downlight Horizontal Retrofit Kit w/ (2) 38 watt CF Lamp & Electronic Ballast, 9" Trim
EEDGE	New LED Edge Lit Exit Sign w/ Led Lamps, Red Face
EXN	New LED Exit Sign
H44H	New 4' Industrial Fixture w/ (4) F28T8 Lamps & (1) 4/32 Elec. High-Power Ballasts
H844	New 8' Industrial Fixture w/ (4) F28T8 Lamps & (1) 4/32 Elec. Normal-Power High Efficiency Ballast
H844H	New 8' Industrial Fixture w/ (4) F28T8 Lamps & (1) 4/32 Elec. High-Power Ballast
LB22L	Re-lamp & Re-ballast w/ (2) F17T8 Lamps & (1) 2/17 Elec. Low-Power High Efficiency Ballast
LB32L	Re-lamp & Re-ballast w/ (2) F25T8 Lamps & (1) 2/25 Elec. Low-Power High Efficiency Ballast, 2x Tandem Wire
LB41L	Re-lamp & Re-ballast w/ (1) F28T8 Lamp & (1) 1/32 Elec. Low-Power High Efficiency Ballast
LB42L	Re-lamp & Re-ballast w/ (2) F28T8 Lamps & (1) 2/32 Elec. Low-Power High Efficiency Ballast

LB43L	Re-lamp & Re-ballast w/ (3) F28T8 Lamps & (1) 3/32 Elec. Low-Power High Efficiency Ballast
LB43LDS	Re-lamp & Re-ballast w/ (3) F28T8, (1) 2/32 Elec. LP & (1) 1/32 Elec. Low-Power High Efficiency Ballasts, Dual Switched
LB44L	Re-lamp & Re-ballast w/ (4) F28T8 Lamps & (1) 4/32 Elec. Low-Power High Efficiency Ballast
LC	Existing Fixture to be Retrofitted with Lighting Controls or Occupancy Sensors
LED111wp/BETA	LED Wall Pack Fixture Type III Medium distribution w/ (5) 20-Diode LED Bars w/ 350ma LED Driver
LED18PAR38SI	Re-lamp w/ Screw-in LED w/ (1) 18 watt LED PAR38 Lamp
LED1X123BOX	LED 2x2 Surface Mounted Fixture w/ 104 LED array & 350ma LED Driver
LED1X132WP	LED Wall Pack Fixture Type III Med w/ 6 20-Diode LED Bars w/ 350ma LED Driver
LED1X157PM	LED (1) New 157w Pole Mounted Area Light Fixture, 350mA driver
LED1x204box	LED Canopy Fixture û Type V Medium w/ (6) 10-Diode LED Bars & 525ma LED Driver
LED1x204boxhl	LED Canopy Fixture û Type V Medium w/ (6) 10-Diode LED Bars & 525ma LED Driver, Hi/low
LED1X221FL	LED Flood Fixture w/ 10 20-diode LED Bars, 350mA driver
LED1x221T3PM	LED Area Light û Type III Medium Pole Mounted Fixture w/ (10) 20-LED Bars & 350ma LED Driver
LED1X33WP	LED Wall Pack Fixture w/ (28) LED's & 350ma Driver
LED1x45fl/RAB	LED Flood Fixture w/ (3) 13 watt LED,
LED1x53wp/LSI	LED Wall Pack Fixture w/ 48 LED Array & 350ma Driver
LED1x68PGHL/BETA	LED Parking Garage Fixture w/(2) 30-Diode Bars & 350ma Driver, Hi/Low
LED1X70FL	LED (1) New 70w Flood Fixture
LED1X75BOX	LED Surface Mounted Fixture w/ 75w LED & 350ma Driver
LED1x90fl/RAB	LED Flood Fixture w/ (6) 13 watt LED,720mA driver
LED1X90PM	LED (1) New 90w Pole Mounted Area Light Fixture, 350mA driver

LED68WP/BETA	LED Wall Pack Fixture w/ (2) 30-Diode Bars, 350ma Driver
LED6MR16/NFL25	Retrofit w/ Plug-in LED w/ (1) 6 watt LED MR16 Lamp NFL 25 degree.
MH125PSKIT	Re-lamp & Re-ballast w/ (1) 125w Pulse Start Metal Halide Lamp & Super CWA Ballast Kit
MH2X200PSKIT	Re-lamp & Re-ballast w/ (1) 200w Pulse Start Metal Halide Lamp & CWA Ballast Kit
mh2x320pskit/480v	Re-lamp & Re-ballast w/ (2) 320w Pulse Start Metal Halide Lamp & CWA Ballast 480v
mh2x875pskit/480v	Re-lamp & Re-ballast w/ (2) 875w Pulse Start Metal Halide Lamp & CWA Ballast 480v
mh320pskit/480v	Re-lamp & Re-ballast w/ (1) 320w Pulse Start Metal Halide Lamp & CWA Ballast 480v
mh4x320pskit/480v	Re-lamp & Re-ballast w/ (4) 320w Pulse Start Metal Halide Lamp & CWA Ballast 480v
mh4x875pskit/480v	Re-lamp & Re-ballast w/ (4) 875w Pulse Start Metal Halide Lamp & CWA Ballast 480v
mh875pskit/480v	Re-lamp & Re-ballast w/ (1) 875w Pulse Start Metal Halide Lamp & CWA Ballast 480v
N/R	No Retrofit Proposed
RLFT1X25	Re-lamp w (1) Ft25 Reduced Wattage Lamp
RLFT2X25	Re-lamp w (2) Ft25 Reduced Wattage Lamp
RLFT3X25	Re-lamp w (3) Ft25 Reduced Wattage Lamp
RLFT4X25	Re-lamp w (4) Ft25 Reduced Wattage Lamp
RLU65-25W	Re-lamp w/(5) FB32T8/25w Lamps
RWA42/LA	Re-lamp & Re-ballast w/ (2) F28T8 Lamps & (1) 2/32 Elec. Normal-Power HE Bal., White Reflector Kit, New 2x4 Acrylic Lens
RWA42H	Re-lamp & Re-ballast w/ (2) F28T8 Lamps & (1) 2/32 Elec. High-Power High Efficiency Ballast, 2'x4' White Reflector Kit

rwb23h	Re-lamp & Re-ballast w/ (3) F17T8 Lamps & (1) 3/17 Elec. HE Normal-Power Ballast, , 2'x2' White Reflector Kit
RWC42L	Re-lamp & Re-ballast w/ (2) F28T8 Lamps & (1) 2/32 Elec. Low-Power High Efficiency Ballast, 1'x4' White Reflector Kit
RWS1042/21H	Re-lamp & Re-ballast 10' Strip w/ (2) F28T8 & (1) F17T8/15 Lamps & (1) 3/32 Elec. HL HE Ballast, White Reflector Kit
RWS31/21H	Re-lamp & Re-ballast 10' Strip w/ (1) F25T8/21 & (1) F17T8/15 Lamps & (1) 2/32 Elec. HL HE Ballast, White Reflector Kit
s634I	New 6' Strip Fixture w/ (4) F25T8 Lamps & (1) 4/25 Elec. Low-Power High Efficiency Ballast
S842	New 8' Strip Fixture w/ (2) F28T8 Lamps & (1) 2/32 Elec. Normal-Power High Efficiency Ballast
S844H	New 8' Strip Fixture w/ (4) F28T8 Lamps & (4) 4/32 Elec. High-Power Ballast
S844L	New 8' Strip Fixture w/ (4) F28T8 Lamps & (1) 4/32 Elec. Low-Power High Efficiency Ballast
ST42DSOS	New 4' Stairway Dual Switched Fixture w/ (2) F28T8 Lamps & (2) 1/32 Elec. Normal-Power Ballast, Sensor Controlled
V21	New 2' Vanity Luminaire w/ (1) F17T8 Lamp & (1) 1/17 Elec. Normal-Power High Efficiency Ballast
V41	New 4' Vanity Luminaire w/ (1) F28T8 Lamp & (1) 1/32 Elec. Normal-Power High Efficiency Ballast
V634	New 6' Vanity Fixture w/ (4) F25T8 Lamps & (1) 4/25 Elec. Normal-Power High Efficiency Ballast
V844	New 8' Vanity Fixture w/ (4) F28T8 Lamps & (2) 2/32 Elec. Normal-Power High Efficiency Ballast
VP42	New 4' Vapor-Tight Wrap Fixture w/ (2) F28T8 Lamps & (1) 2/32 Elec. Normal-Power High Efficiency Ballast
VP43	New 4' Vapor-Tight Wrap Fixture w/ (3) F32T8 Lamps & (1) 3/32 Elec. Normal-Power High Efficiency Ballast
VP44	New 4' Vapor-Tight Wrap Fixture w/ (4) F28T8 Lamps & (1) 4/32 Elec. Normal-Power HE Ballast

VP44H	New 4' Vapor-Tight Wrap Fixture w/ (4) F28T8 Lamps & (1) 4/32 Elec. High-Power Ballast
W42	New 4' Wrap Fixture w/ (2) F28T8 Lamps & (1) 2/32 Elec. Normal-Power High Efficiency Ballast
W42DSOSPOLY	New 4' Wrap Fixture w/ (2) F28T8 Lamps & (2) 1/32 Elec. Normal-Power HE Ballast, Dual Switched w/Occupancy Sensor, Poly Lens

### LIGHITNG CONROLS

DAYLT	Daylighting Control
DLPP	Daylighting Powerpack
DT	Dual Technology
EXISTING	Area Has Existing Sensor
FI/HL	Fixture Integrated Hi/Lo
IA	Included In Above
OSDTC	Dual Technology Ceiling Sensor
OSDTW	Dual Technology Wall Sensor
OSDTWS	Dual Technology Wall Switch Replacement Sensor
PC	Photocell
PP	Power Pack
TC/PC	Time Clock/Photocell

### MISCELLANEOUS LIGHTING ACRONYMS

LBC	Lamp/Ballast Combination
EB	Electronic Ballast
HE	High Efficiency
LBF	Low Ballast Factor



Proposed ECM 3b	Terminal A-West	Terminal A-East	Terminal B/C	Terminal D/E	Central Utility Building	Satellite Thermal Plant	A-West Thermal Plant
luminaires.							
The existing spotlight luminaires, containing one (1), 100-watt PAR38 lamp, will be replaced with new 70-watt, LED floodlight luminaires.	-	x	x	x	-	-	-

### ECM 3c – Lighting - Parking Garages (Inner Decks w/Controls)

Proposed ECM 3c	Parking Garage
The existing parking garage luminaires, containing one (1), 100-watt high pressure sodium lamp, and one (1), magnetic ballast, will be replaced with new 68-watt, LED parking garage luminaires, complete with sensor based, multi-level control to minimize unnecessary usage.	x
The existing parking garage luminaires, containing one (1), 100-watt metal halide lamp, and one (1), magnetic ballast, will be replaced with new 68-watt, LED parking garage luminaires, complete with sensor based, multi-level control to minimize unnecessary usage.	x
The existing parking garage luminaires, containing one (1), 150-watt high pressure sodium lamp, and one (1), magnetic ballast, will be replaced with new 68-watt, LED parking garage luminaires, complete with sensor based, multi-level control to minimize unnecessary usage.	x
The existing parking garage luminaires, containing one (1), 400-watt high pressure sodium lamp, and one (1), magnetic ballast, will be replaced with new 204-watt, LED parking garage luminaires, complete with sensor based, multi-level control to minimize unnecessary usage.	x
The existing floodlight luminaires, containing one (1), 400-watt metal halide lamp, and one (1), magnetic ballast, will be replaced with new 221-watt, LED floodlight luminaires.	x
The existing floodlight luminaires, containing one (1), 50-watt high pressure sodium lamp, will be replaced with new 45-watt, LED floodlight luminaires.	x
The existing floodlight luminaires, containing one (1), 150-watt metal halide lamp, and one (1), magnetic ballast, will be replaced with new 90-watt, LED floodlight luminaires.	x
The existing floodlight luminaires, containing one (1), 300-watt quartz lamp, will be replaced with new 90-watt, LED floodlight luminaires.	x
The existing wall-pack luminaires, containing one (1), 100-watt high pressure sodium lamp, and one (1), magnetic ballast, will be replaced with new 53-watt, LED wall pack luminaires.	x

Proposed ECM 3c	Parking Garage
The existing wall-pack luminaires, containing one (1), 150-watt high pressure sodium lamp, and one (1), magnetic ballast, will be replaced with new 68-watt, LED wall pack luminaires.	x
The existing steplight luminaires, containing one (1), 150-watt high pressure sodium lamp, and one (1), magnetic ballast, will be retrofitted with one (1), 125-watt, pulse start metal halide lamp, one (1), CWA, multi-volt magnetic ballast, and one (1), pulse rated socket.	x
The existing luminaires containing two (2), 2' T12 lamps, and one (1), magnetic ballast, will be retrofitted with two (2), 15-watt, 2' T8 energy saving lamps, and one (1), high efficiency, low-power, electronic ballast.	x
The existing luminaires containing two (2), 4' T12 lamps, and one (1) magnetic ballast, will be retrofitted with two (2), 28-watt, 4' T8 lamps, and one (1), high efficiency, low-power, electronic ballast.	x
The existing luminaires containing two (2), 4' T8 lamps, and one (1) electronic ballast, will be retrofitted with two (2), 28-watt, 4' T8 lamps, and one (1), high efficiency, low-power, electronic ballast.	x
The existing luminaires containing four (4), 4' T12 lamps, and two (1) magnetic ballasts, will be retrofitted with four (4), 28-watt, 4' T8 lamps, and one (1), high efficiency, low-power, electronic ballast.	x
The existing luminaires containing four (4), 4' T8 lamps, and one (1) electronic ballast, will be retrofitted with four (4), 28-watt, 4' T8 lamps, and one (1), high efficiency, low-power, electronic ballast.	x
The existing luminaires containing one (1), 40-watt, long twin-tube, compact fluorescent lamp, and one (1) electronic ballast, will be re-lamped with one (1), 25-watt, energy saving, long twin-tube, compact fluorescent lamp, existing ballast will not be replaced.	x
The existing luminaires containing two (2), 40-watt, long twin-tube, compact fluorescent lamps, and one (1) electronic ballast, will be re-lamped with two (2), 25-watt, energy saving, long twin-tube, compact fluorescent lamps, existing ballast will not be replaced.	x
The existing luminaires containing four (4), 40-watt, long twin-tube, compact fluorescent lamps, and one (1) electronic ballast, will be re-lamped with four (4), 25-watt, energy saving, long twin-tube, compact fluorescent lamps, existing ballast will not be replaced.	x
The existing luminaires containing one (1), 5' T12 HO lamps, and one (1) magnetic ballast, will be retrofitted with one (1) 15-watt, 2' T8 energy saving lamp, one (1) 21-watt, 3' T8 energy saving lamp, one (1), high efficiency, high-power, electronic ballast, and one (1), reflector kit.	x
The existing luminaires containing two (2), 5' T12 HO lamps, and one (1) magnetic ballast, will be retrofitted with one (1), 21-watt, 3' T8 energy saving lamp, two (2), 28-watt, 4' T8 lamps, one (1), high efficiency, high-power, electronic ballast, and two (2), reflector kits.	x
The existing 8' vaportight luminaires containing two (2), 8' T12 HO lamps, and (1), magnetic ballast, will be replaced with new vaportight luminaires containing four (4), 28-watt, 4' T8 lamps, and one (1), high efficiency, high-power electronic ballast.	x
The existing downlight luminaires containing one (1), 50-watt metal halide lamp, will be retrofitted with a new downlight kit containing two (2), 21-watt 4-pin, energy saving compact fluorescent lamps and (1) electronic ballast.	x

Proposed ECM 3c	Parking Garage
The existing downlight cylinders containing one (1), 50-watt metal halide lamp, will be retrofitted with a new downlight kit containing two (2), 21-watt 4-pin, energy saving compact fluorescent lamps and (1) electronic ballast.	x
The existing downlight luminaires containing one (1), 100-watt metal halide lamp, will be retrofitted with a new downlight kit containing two (2), 27-watt 4-pin, energy saving compact fluorescent lamps and (1) electronic ballast.	x
The existing downlight cylinders containing one (1), 100-watt metal halide lamp, will be retrofitted with a new downlight kit containing two (2), 27-watt 4-pin, energy saving compact fluorescent lamps and (1) electronic ballast.	x
The existing downlight cylinders containing one (1), 175-watt metal halide lamp, will be retrofitted with a new downlight kit containing two (2), 33-watt 4-pin, energy saving compact fluorescent lamps and (1) electronic ballast.	x
The existing downlight cylinders containing one (1), 150-watt high pressure sodium lamp, will be retrofitted with a new downlight kit containing two (2), 33-watt 4-pin, energy saving compact fluorescent lamps and (1) electronic ballast.	x
The existing ceiling mounted luminaires in the stairwells containing one (1), 100-watt high pressure sodium lamp, will be replaced with new vandal proof luminaires containing two (2), 28-watt, 4' T8 lamps and two (2), high efficiency, normal-power, electronic ballasts. New luminaires will be dual-switched and have an integrated occupancy sensor for high/low control.	x
The existing exit signs containing incandescent or compact fluorescent lamps will be replaced with new LED exit signs.	x

### ECM 3d – Lighting – Remote Lots

Proposed ECM 3d	Economy Parking Lots
Replace the existing rotary dial time clocks with new astronomical time clocks and exterior photocells to minimize unnecessary usage.	x
The existing pole-mounted luminaires containing one (1), 1000-watt high pressure sodium lamp, will be retrofitted with one (1), 875-watt, pulse start metal halide lamp, one (1), CWA, multi-volt magnetic ballast, and one (1), pulse rated socket.	x
The existing pole-mounted luminaires containing one (1), 400-watt high pressure sodium lamp, will be retrofitted with one (1), 320-watt, pulse start metal halide lamp, one (1), CWA, multi-volt magnetic ballast, and one (1), pulse rated socket.	x