

DATE OF ISSUE: APRIL 5, 2018

DEPARTMENT OF GENERAL SERVICES
ENERGY AND RESOURCE MANAGEMENT OFFICE
401 NORTH STREET, 403 NORTH OFFICE BLDG
HARRISBURG, PENNSYLVANIA

BULLETIN NO. 1 (REVISED)
on

Project No. Small GESA-4 – INVITATION FOR BID FOR FINANCING A GUARANTEED ENERGY SAVINGS PROJECT AT: DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES, PARKS AND FORESTRY, WESTERN REGION, PENNSYLVANIA, Department of General Services, Energy & Resource Management, 401 North Street, Room 403, Harrisburg, Pennsylvania, 17120.

PROPOSAL SUBMISSION DEADLINE, MONDAY, APRIL 16, 2018
TIME OF OPENING – 2:00 PM

QUESTIONS (ANSWERS IN BOLD)

1. Please provide an equipment cost breakdown. **A cost breakdown for project equipment is attached at the end of this bulletin.**



Rebecca L. Tomlinson, RFQ Coordinator
ENERGY & RESOURCE MANAGEMENT

PLEASE ACKNOWLEDGE RECEIPT OF BULLETIN WITHIN 24 HOURS BY EMAIL
RESPONSE TO: Rebecca Tomlinson, email: retomlinso@pa.gov

**ECM Asset List
PA GESA - DCNR Western PA - Region 2**

ECM #	ECM	ECM Scope	Total ECM Cost	Asset	Quantity
Base Project					
1	Lighting Improvements - LED Upgrades	See Attached Quantity list	\$ 2,100,084.83	New LED lamps and fixtures	11,006 - lamps and fixtures
2	Building Weatherization and Insulation Improvements		\$ 633,351.01	Sealant around doors and windows Additional attic insulation	
3	Domestic Water Improvements		\$ 16,976.00	New low consumption water fixtures	24 fixtures
Tom Ridge Environmental Center					
TREC-1	Correct Excessive Pressure in Tower	Install static pressure differential sensor to monitor static pressure of Observation tower in relation to main building and modify control sequences to stage exhaust fans as needed for temperature control. In addition, install 2 way control valve on unit heaters to control heating of the observation tower.	\$ 16,201.77	New Control Valve for temperature control	1 valve
TREC-2	Replace Failed Fan Powered Boxes	Replace all under floor fan powered Variable Air Volume boxes.	\$ 256,782.77	Fan powered, underfloor VAV boxes	51 VAVs
TREC-3	Adding individual Private Temperature Controls	In select areas where multiple individual offices are conditioned by 1 Variable Air Volume Box, add thermostats to each office for better control of the VAV.	\$ 11,631.65	Additional thermostats and sensors installed	13 sensors
TREC-4	Relocate Thermostats Located on Outside Walls	Remove thermostats located on exterior walls and install wireless thermostats.	\$ 8,047.39	No new assets	
TREC-7A	Replace Exterior Air Handling Units-AHU 3 Only	Replace AHU 3 - 40 Ton Capacity - Replace Remote Condensor - Modify ductwork as needed to accomdate design of new unit	\$ 761,177.51	New 100 outside air energy recovery air handler. 14 Ton cooling capacity, remote condensor	1 Unit
TREC-7A	Replace Heat Recovery Wheels on AHU 1 and 2	Replace Heat Recovery Wheels on AHUs 1 and 2	\$ 105,082.24	New heat recovery whell assmeblies for AHUs 1 and 2	2 Units
TREC-8	Implement Occupied/Unoccupied Temperature Control	Implement and optimize AHU control schedule for AHUs 1 and 2.	\$ 5,502.49	No new assets	
TREC-9A	Replace Failed Water Heater	Replace water heater that has a burned out heat exchanger and correct exhaust vent issues	\$ 45,701.22	New 150 gallon water heaters	1 water heaters
TREC-10	Install VFD on Pumps	Add Variable Frequency Drives to two (2) 10 HP hot water pumps and install differential pressure sensor for control.	\$ 51,967.94	New 10 HP VFD speed controller	2 VFDs
Presque Isle State Park					
PISP-3	Replace Boiler and Install New Radiant Tube Heating System In Maintenance Building	- Remove existing boiler - Install new boiler in new location and connect piping to existing systems - Install new exhaust stack - Install new Propane Fired infrared heaters in garage bays	\$ 163,822.82	New 121 MBH Boiler. New infrared, natural gas fired heaters	1 Boiler 2 IR heaters
Forbes Forest District					
FFD-1	Install New Programmable Thermostats	Install new programable thermostats in Park office. Thermostat will control forced air and baseboard heat.	\$ 8,406.58	New programmable thermostats and control systems	5 thermostats
FFD-2	Replace Boiler	Pondfield Maintenance Building - Replace existing boiler with new 133,000 MBH boiler - Install new exhaust to correct code issues	\$ 68,169.71	New 104 MBH boiler	1 Boiler

ECM #	ECM	ECM Scope	Total ECM Cost	Asset	Quantity
FFD-3	Replace Existing Furnace and Install New Unit Heater	Mt Davis Maintenance Building - Replace existing oil fired furnace with new unit for office and shop area - Install new exhaust to correct code issues - Install new oil fired unit heaters in garage	\$ 59,915.98	New oil fired furnace to replace existing. New oil fired unit heater in garage	1 furnace 1 unit heater
Cornplanter Forest District			\$ -		
CFD-1	Replace Boiler in Office	- Replace existing furnaces - Install new exhaust to correct code issues	\$ 73,366.51	New forced air propane furnaces with remote condensers	3 forced air furnaces
Point State Park			\$ -		
PSP-1	Replace Upward Lighting in the Portal Bridge to LED	Replace Up Lighting in the Portal Bridge to LED	\$ 4,201.15	New light fixtures	8 new fixtures
PSP-2	Remove the Four (4) 1000 Watt Metal Halide Lights and Retrofit with LED fixtures and Bath and Pump House	Remove the Four (4) 1000 Watt Metal Halide Lights and Retrofit with LED fixtures and Bath and Pump House	\$ 6,888.11	New light fixtures	4 new fixtures
PSP-3	Remove Eighteen (18) Center Column 1000 Watt Halogen Lamps and Retrofit them with LED Lamps	Remove Eighteen (18) Center Column 1000 Watt Halogen Lamps and Retrofit them with LED Lamps	\$ 12,856.28	New light fixtures	18 new fixtures
Moraine State Park			\$ -		
MSP-1	Install remote Heating Control for 11 Modern Cabins	Install WiFi Enabled Programmable Thermostats on all electric baseboard heaters in Modern Cabins.	\$ 73,366.51	New programmable thermostats and control systems	11 thermostats
MSP-2	Replace Oil Furnace at Park Office	- Replace existing Boiler - Install new exhaust to correct code issues	\$ 76,270.60	New 191 MBH boiler	1 boiler
MSP-3	Replace Doors and Windows at 2 Maintenance Buildings	Replace Doors and Windows at 2 Maintenance Buildings	\$ 40,608.42	New doors and windows	4 new doors 8 new windows
MSP-4	Install Instantaneous Hot Water Heaters at Modern Cabins	Replace existing storage style hot water heaters in Modern Cabins with instantaneous water heaters	\$ 52,582.39	New instantaneous water heaters	11 water heaters
Pymatuning State Park			\$ -		
PYSP-1	Replace Oil Boiler with Propane Boiler at Jamestown Maintenance	- Remove existing boiler - Install concrete pad and piping for new propane tank location - Install new boiler in new location and connect piping to existing systems - Install new exhaust stack - Install new Propane Fired infrared heaters in garage bays	\$ 163,822.82	New 178 MBH Boiler	1 Boiler
PYSP-2	Replace Oil Boiler with Propane Boiler at Park Office	- Remove existing boiler - Install concrete pad and piping for new propane tank location - Install new boiler in new location and connect piping to existing systems - Install new exhaust stack	\$ 84,524.33	New 121 MBH boiler 3 new propane fired infrared heaters	1 boiler 3 IR heaters
TOTAL ECM Cost			\$ 4,901,309		
ESG Engineering, Construction & PM Fee			\$632,339		

PA State Parks

DETAILED SCOPE OF WORK FOR LIGHTING

EXISTING FIXTURE DESCRIPTION	PROPOSED RETROFIT DESCRIPTION	QUANTITY
0	Retrofit with (2) 18 Watt LED T8 U-Lamps; Direct Wire to Socket	1
10 Watt Metal Halide Post Top Fixture; Silver	New 26 Watt LED Spider Mount Post Top Fixture; Silver	4
100 Watt 2-Lamp Quartz Flood Fixture	(2) New 18 Watt LED Flood Fixtures	2
100 Watt High Pressure Sodium 12" Downlight Fixture	Retrofit with 23 Watt LED 12" Downlight	2
100 Watt High Pressure Sodium Canopy Fixture	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	7
100 Watt High Pressure Sodium Cylinder Fixture	New 40 Watt LED Cylinder Fixture	24
100 Watt High Pressure Sodium Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	4
100 Watt High Pressure Sodium Fixture	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	1
100 Watt High Pressure Sodium Flood Fixture	New 26 Watt LED Flood Fixture	2
100 Watt High Pressure Sodium Shoebox Fixture	New 50 Watt LED Shoebox Fixture	2
100 Watt High Pressure Sodium Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	56
100 Watt Incandescent 12" Downlight Fixture	Re-Lamp with (1) 17 Watt LED BR40	4
100 Watt Incandescent 2-Lamp A-Lamp	Re-Lamp with (2) 18 Watt LED A21	19
100 Watt Incandescent 2-Lamp A-Lamp; PAR Holder	Re-Lamp with (2) 17 Watt LED PAR38	1
100 Watt Incandescent 2-Lamp PAR38	Re-Lamp with (2) 17 Watt LED PAR38	1
100 Watt Incandescent 3-Lamp Fixture	Re-Lamp with (3) 18 Watt LED A21	10
100 Watt Incandescent 4-Lamp Fixture	Re-Lamp with (4) 18 Watt LED A21	5
100 Watt Incandescent 6-Lamp A-Lamp Fixture	Relamp with (6) 18 Watt LED A21	2
100 Watt Incandescent A-Lamp & 13 Watt Compact Fluorescent	Re-Lamp with (2) 10 Watt LED A19	7
100 Watt Incandescent A-Lamp Downlight Fixture	Re-Lamp with (1) 17 Watt LED BR40	24
100 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 18 Watt LED A21	334
100 Watt Incandescent A-Lamp Jelly Jar Fixture	Re-Lamp with (1) 18 Watt LED A21	31
100 Watt Incandescent A-Lamp; PAR Holder	Re-Lamp with (1) 17 Watt LED PAR38	1
100 Watt Incandescent Cylinder Fixture	Re-Lamp with (1) 17 Watt LED BR40	3
100 Watt Incandescent Drun Fixture; Damaged	New 12" Round 14 Watt LED Drum Fixture	1
100 Watt Incandescent Explosion Proof Fixture	Relamp with (1) 18 Watt LED A21; Difficult Access	3
100 Watt Incandescent G40 Fixture	Relamp with (1) 14 Watt LED G40	12
100 Watt Incandescent PAR38 Fixture	Re-Lamp with (1) 17 Watt LED PAR38	2
100 Watt Incandescent RLM; Difficult Access	Relamp with (1) 18 Watt LED A21; Difficult Access	1
100 Watt Incandescent Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	2
100 Watt Jelly Jar Fixture; Damaged	New 18 Watt LED A21 Jelly Jar Fixture	8
100 Watt Mercury Vapor Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	2
100 Watt Mercury Vapor Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	3
100 Watt Metal Halide 10" Downlight Fixture	Retrofit with 23 Watt LED 10" Downlight	14
100 Watt Metal Halide 12" Downlight Fixture	Retrofit with 23 Watt LED 12" Downlight	4
100 Watt Metal Halide Canopy Fixture	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	2
100 Watt Metal Halide Cylinder Fixture	New 40 Watt LED Cylinder Fixture	4
100 Watt Metal Halide Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	3
100 Watt Metal Halide Fixture	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	2
100 Watt Metal Halide Flood Fixture	New 26 Watt LED Flood Fixture	3
100 Watt Metal Halide Flood Fixture; Trunion	New 26 Watt LED Flood Fixture; Trunion	3
	New 300 Watt LED Flood Fixture; Trunion	1
100 Watt Metal Halide Jelly Jar Fixture	New 26 Watt LED Jelly Jar Fixture	13
100 Watt Metal Halide Recessed Fixture	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	14
100 Watt Metal Halide Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	34
100 Watt Metal Halide Wall Pack Fixture; Decorative	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	29
100 Watt Metal Halide Wall Pack Fixture; Difficult Access	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	1
100 Watt Quartz Flood Fixture	New 26 Watt LED Flood Fixture	1
1000 Watt Metal Halide 2-Head Sports Light Flood Fixture	(2) New 350 Watt LED Sports Flood Fixtures	1
1000 Watt Metal Halide 4-Head Sports Light Flood Fixture	(4) New 350 Watt LED Sports Flood Fixtures	3
1000 Watt Metal Halide Flood Fixture	New 300 Watt LED Flood Fixture	4
120 Watt Incandescent R40 Fixture	Re-Lamp with (1) 17 Watt LED BR40	12
13 Watt Compact Fluorescent 2-Lamp Canopy	Re-Lamp with (2) 10 Watt LED A19	5
	New 10 Watt LED Canopy Fixture	1
13 Watt Compact Fluorescent 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED A19	157
13 Watt Compact Fluorescent 2-Lamp R30 Fixture	Relamp with (2) 10 Watt LED BR30	1
13 Watt Compact Fluorescent 3-Lamp Fixture	Re-Lamp with (3) 10 Watt LED A19	43
	Relamp with (3) 10 Watt LED A19	1
13 Watt Compact Fluorescent 4-Lamp Fixture	Re-Lamp with (4) 10 Watt LED A19	23
13 Watt Compact Fluorescent Canopy Fixture	New 10 Watt LED Canopy Fixture	5
13 Watt Compact Fluorescent Downlight	Re-Lamp with (1) 10 Watt LED BR30	49
	Retrofit with 9 Watt LED 6" Downlight	18
13 Watt Compact Fluorescent Downlight; Difficult Access	Relamp with (1) 10 Watt LED BR30; Difficult Access	8
13 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 10 Watt LED A19	478
13 Watt Compact Fluorescent Goose Neck Fixture	Re-Lamp with (1) 10 Watt LED A19	2
13 Watt Compact Fluorescent Jelly Jar Fixture; Damaged	New 10 Watt LED A19 Jelly Jar	6
13 Watt Compact Fluorescent R20 Fixture	Re-Lamp with (1) 8 Watt LED BR20	19
13 Watt Compact Fluorescent; PAR Holder	Re-Lamp with (1) 10 Watt LED PAR30	4
13 Watt Compact Fluorescent 2-Lamp Fixture	New 1x2 2-Lamp Vanity Fixture with (2) 10 Watt LED 2' Lamps; Direct Wire to Socket	2
13 Watt Compact Fluorescent 5-Lamp Fixture	Re-Lamp with (5) 10 Watt LED A19	10
13 Watt Compact Fluorescent 6-Lamp Fixture	Relamp with (6) 10 Watt LED A19	1
13 Watt Compact Fluorescent Globe Fixture	Re-Lamp with (1) 8 Watt LED G25 Globe	4
13 Watt Plug-In CFL 2-Lamp Downlight Fixture	Retrofit with 9 Watt LED 6" Downlight	27

EXISTING FIXTURE DESCRIPTION	PROPOSED RETROFIT DESCRIPTION	QUANTITY
13 Watt Plug-In CFL Downlight Fixture	Retrofit with 9 Watt LED 6" Downlight	3
13 Watt Plug-In CFL Jelly Jar	New 13 Watt LED Jelly Jar Fixture	10
15 Watt Compact Fluorescent 4-Lamp Fixture	Re-Lamp with (4) 10 Watt LED A19	1
15 Watt Incandescent Step Light Fixture	Re-Lamp with (1) 7 Watt LED A19	8
150 Watt High Pressure Sodium Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	3
150 Watt High Pressure Sodium Fixture	Re-Lamp with (1) 36 Watt LED Omni-Cob Lamp; Hardwire Ballast	6
150 Watt High Pressure Sodium Flood Fixture	New 52 Watt LED Flood Fixture	4
150 Watt High Pressure Sodium Flood Fixture; Trunion	New 26 Watt LED Flood Fixture; Trunion	6
150 Watt High Pressure Sodium Wall Pack Fixture	New 37 Watt LED Wall Pack Fixture; Non-Dark Sky	19
150 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 18 Watt LED A21	33
150 Watt Incandescent G40	Relamp with (1) 14 Watt LED G40	4
150 Watt Incandescent Jelly Jar	Re-Lamp with (1) 18 Watt LED A21	5
150 Watt Mercury Vapor Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	3
150 Watt Mercury Vapor Fixture	Re-Lamp with (1) 36 Watt LED Omni-Cob Lamp; Hardwire Ballast	1
150 Watt Metal Halide 2-Head Flood Fixture	(2) New 52 Watt LED Flood Fixtures	2
150 Watt Metal Halide Canopy Fixture	New 20 Watt LED Canopy Fixture	2
150 Watt Metal Halide Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	4
150 Watt Metal Halide Flood Fixture; Trunion	New 39 Watt LED Flood Fixture; Trunion	4
150 Watt Metal Halide Post Top Fixture	New 52 Watt LED Spider Mount Post Top Fixture	7
150 Watt Metal Halide Shoebox Fixture	New 50 Watt LED Shoebox Fixture	11
150 Watt Metal Halide Shoebox Fixture; Wall Mount	New 50 Watt LED Shoebox Fixture; Wall Mount	1
150 Watt Metal Halide Wall Pack Fixture	New 37 Watt LED Wall Pack Fixture; Non-Dark Sky	22
150 Watt Quartz 2-Head Flood Fixture	(2) New 26 Watt LED Flood Fixtures	7
150 Watt Quartz Flood Fixture	New 26 Watt LED Flood Fixture	13
16 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 10 Watt LED A19	1
16 Watt Compact Fluorescent PAR38	Re-Lamp with (1) 17 Watt LED PAR38	1
175 Watt High Pressure Sodium Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	1
175 Watt Mercury Vapor Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	34
175 Watt Mercury Vapor Shoebox Fixture	New 78 Watt LED Shoebox Fixture	7
175 Watt Mercury Vapor Wall Pack Fixture	New 37 Watt LED Wall Pack Fixture; Non-Dark Sky	3
175 Watt Metal Halide 3-Head Shoebox	(3) New 78 Watt LED Shoebox Fixtures	1
175 Watt Metal Halide Cylinder Fixture	New 40 Watt LED Cylinder Fixture	11
175 Watt Metal Halide Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	15
175 Watt Metal Halide Flood Fixture	New 52 Watt LED Flood Fixture	1
175 Watt Metal Halide Flood Fixture; Trunion	New 39 Watt LED Flood Fixture; Trunion	2
175 Watt Metal Halide Low Bay Fixture	New 40 Watt LED Canopy Fixture	4
175 Watt Metal Halide Shoebox Fixture	New 78 Watt LED Shoebox Fixture	32
175 Watt Metal Halide Wall Pack Fixture	New 37 Watt LED Wall Pack Fixture; Non-Dark Sky	10
18 Watt Compact Fluorescent 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED A19	1
18 Watt Compact Fluorescent 2-Lamp Globe Fixture	New 1x2 2-Lamp Vanity Fixture with (2) 10 Watt LED 2' Lamps; Direct Wire to Socket	1
18 Watt Compact Fluorescent 2-Lamp PAR30 Fixture	Re-Lamp with (2) 8 Watt LED G25 Globe	1
18 Watt Compact Fluorescent 3-Lamp Fixture	Re-Lamp with (3) 10 Watt LED A19	2
18 Watt Compact Fluorescent Canopy Fixture	Re-Lamp with (1) 10 Watt LED A19	2
18 Watt Compact Fluorescent Downlight Fixture	Re-Lamp with (1) 10 Watt LED BR30	2
18 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 10 Watt LED A19	111
18 Watt Compact Fluorescent Fixture; Very Difficult Access	Relamp with (1) 10 Watt LED A19; Very Difficult Access	2
18 Watt Compact Fluorescent Jelly Jar	Re-Lamp with (1) 10 Watt LED A19	25
18 Watt Compact Fluorescent Jelly Jar Fixture; Damaged	New 10 Watt LED A19 Jelly Jar	11
18 Watt Compact Fluorescent Wall Pack Fixture	New 12 Watt LED Wall Pack Fixture	9
18 Watt Compact Fluorescent 4-Lamp Fixture	Re-Lamp with (4) 10 Watt LED A19	2
20 Watt Incandescent 6-Lamp Globe Fixture	Relamp with (6) 8 Watt LED G25	1
20 Watt Incandescent MR11	Re-Lamp with (1) 2 Watt LED MR11 Elevator Lamp	4
200 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 18 Watt LED A21	11
200 Watt Incandescent Jelly Jar	Re-Lamp with (1) 18 Watt LED A21	11
200 Watt Incandescent RLM Fixture	New 26 Watt LED Jelly Jar Fixture	1
200 Watt Incandescent RLM; Difficult Access	Re-Lamp with (1) 18 Watt LED A21	13
22 Watt Incandescent A-Lamp Fixture	Relamp with (1) 18 Watt LED A21; Difficult Access	1
23 Watt Compact Fluorescent 3-Lamp Fixture	Re-Lamp with (1) 7 Watt LED A19	2
23 Watt Compact Fluorescent	Re-Lamp with (3) 10 Watt LED A19	6
23 Watt Compact Fluorescent 2-Lamp Fixture	Re-Lamp with (1) 10 Watt LED A19	4
23 Watt Compact Fluorescent 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED A19	64
23 Watt Compact Fluorescent 2-Lamp Fixture; Very Difficult Access	Relamp with (2) 10 Watt LED A19 Lamps; Very Difficult Access	2
23 Watt Compact Fluorescent 2-Lamp PAR38	Re-Lamp with (2) 17 Watt LED PAR38	17
23 Watt Compact Fluorescent 2-Lamp R30	Relamp with (2) 10 Watt LED BR30	1
23 Watt Compact Fluorescent 2-Lamp R40 Fixture	Relamp with (2) 17 Watt LED BR40	3
23 Watt Compact Fluorescent 4-Lamp Fixture	Re-Lamp with (4) 10 Watt LED A19	1
23 Watt Compact Fluorescent 5-Lamp Fixture	Re-Lamp with (5) 10 Watt LED A19	5
23 Watt Compact Fluorescent Canopy Fixture	Re-Lamp with (1) 10 Watt LED A19	25
23 Watt Compact Fluorescent Downlight	New 10 Watt LED Canopy Fixture	26
23 Watt Compact Fluorescent Drum Fixture; Damaged	Re-Lamp with (1) 10 Watt LED BR30	23
23 Watt Compact Fluorescent Explosion Proof Fixture	Retrofit with 9 Watt LED 6" Downlight	2
23 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 10 Watt LED A19	1
23 Watt Compact Fluorescent Fixture; Difficult Access	Relamp with (1) 10 Watt LED A19; Difficult Access	1
23 Watt Compact Fluorescent Goose Neck Fixture	Re-Lamp with (1) 10 Watt LED A19	644
23 Watt Compact Fluorescent Fixture; Difficult Access	Relamp with (1) 10 Watt LED A19; Difficult Access	1
23 Watt Compact Fluorescent Goose Neck Fixture	Re-Lamp with (1) 10 Watt LED A19	1

EXISTING FIXTURE DESCRIPTION	PROPOSED RETROFIT DESCRIPTION	QUANTITY
23 Watt Compact Fluorescent Jelly Jar	Re-Lamp with (1) 10 Watt LED A19	62
23 Watt Compact Fluorescent PAR38 Fixture	Re-Lamp with (1) 17 Watt LED PAR38	1
23 Watt Compact Fluorescent R30	Re-Lamp with (1) 10 Watt LED BR30	2
23 Watt Compact Fluorescent R40	Re-Lamp with (1) 17 Watt LED BR40	3
23 Watt Compact Fluorescent Step Light Fixture	Re-Lamp with (1) 10 Watt LED A19	1
23 Watt Compact Fluorescent Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	28
23 Watt Compact Fluorescent Globe Fixture	Re-Lamp with (1) 10 Watt LED A19	3
	Re-Lamp with (1) 8 Watt LED G25 Globe	2
23 Watt Compct Fluorescent Jelly Jar Fixture; Damaged	New 10 Watt LED A19 Jelly Jar	1
25 Watt Incandescent 2-Lamp A-Lamp	Re-Lamp with (2) 7 Watt LED A19	1
25 Watt Incandescent 2-Lamp Candelabra	Re-Lamp with (1) 5 Watt LED Candelabra	1
25 Watt Incandescent 2-Lamp Exit Sign	New 3 watt LED Exit Sign	47
25 Watt Incandescent 3-Lamp A-Lamp	Re-Lamp with (3) 7 Watt LED A19	1
25 Watt Incandescent 3-Lamp Candelabra	Re-Lamp with (3) 5 Watt LED Candelabra	1
25 Watt Incandescent 4-Lamp Globe Fixture	Re-Lamp with (4) 8 Watt LED G25 Globe	1
25 Watt Incandescent 5-Lamp Fixture	Re-Lamp with (5) 7 Watt LED A19	1
25 Watt Incandescent A-Lamp	Re-Lamp with (1) 7 Watt LED A19	1
250 Watt High Pressure Sodium 2-Head Flood	(2) New 125 Watt LED Flood Fixtures	2
250 Watt High Pressure Sodium Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	6
250 Watt High Pressure Sodium Flood Fixture	New 125 Watt LED Flood Fixture	12
250 Watt Mercury Vapor Cobra Head Fixture	New 95 Watt LED Cobra Head Fixture	3
250 Watt Mercury Vapor Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	5
250 Watt Mercury Vapor Shoebox Fixture	New 125 Watt LED Shoebox Fixture	12
250 Watt Metal Halide 2-Head Flood Fixture; Trunion	(2) New 125 Watt LED Flood Fixtures; Trunion	2
250 Watt Metal Halide 2-Head Shoebox Fixture	(2) New 125 Watt LED Shoebox Fixtures	1
250 Watt Metal Halide 2-Head Shoebox Fixture; White	(2) New 125 Watt LED Shoebox Fixtures; White	12
250 Watt Metal Halide 3-Head Flood Fixture	(3) New 125 Watt LED Flood Fixtures	1
250 Watt Metal Halide Canopy Fixture	New 52 Watt LED Canopy Fixture	2
250 Watt Metal Halide Cobra Head Fixture	New 64 Watt LED Cobra Head Fixture	1
250 Watt Metal Halide Flood Fixture	New 125 Watt LED Flood Fixture	3
250 Watt Metal Halide Flood Fixture; Trunion	New 125 Watt LED Flood Fixture; Trunion	5
250 Watt Metal Halide Shoebox Fixture	New 125 Watt LED Shoebox Fixture	20
250 Watt Metal Halide Wall Pack Fixture	New 55 Watt LED Wall Pack Fixture; Non-Dark Sky	3
26 Watt Compact Fluorescent 12" Downlight Fixture	Retrofit with 12 Watt LED 12" Downlight	2
26 Watt Compact Fluorescent 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED A19	35
26 Watt Compact Fluorescent 3-Lamp Fixture	Re-Lamp with (3) 10 Watt LED A19	14
26 Watt Compact Fluorescent 4-Lamp Fixture	Re-Lamp with (4) 10 Watt LED A19	3
26 Watt Compact Fluorescent 5-Lamp Fixture	Re-Lamp with (5) 10 Watt LED A19	13
26 Watt Compact Fluorescent Canopy Fixture	Re-Lamp with (1) 10 Watt LED A19	11
	New 10 Watt LED Canopy Fixture	16
26 Watt Compact Fluorescent Downlight	Re-Lamp with (1) 10 Watt LED BR30	15
26 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 10 Watt LED A19	120
26 Watt Compact Fluorescent Jelly Jar Fixture; Damaged	New 10 Watt LED A19 Jelly Jar	6
26 Watt Compact Fluorescent Wall Pack	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	12
26 Watt Plug-In CFL 2-Lamp 7" Downlight	Retrofit with 13 Watt LED 6" Downlight Kit	3
26 Watt Plug-In CFL 2-Lamp 8" Downlight	Retrofit with 13 Watt LED 8" Downlight	1
	Retrofit with 13 Watt LED 6" Downlight Kit	1
26 Watt Plug-In CFL 2-Lamp Canopy Fixture	New 10 Watt LED Canopy Fixture	2
26 Watt Plug-In CFL 4" Downlight Fixture	Retrofit with 13 Watt LED 4" Downlight	6
26 Watt Plug-In CFL Bollard Fixture	New 12 Watt LED Bollard Fixture	4
26 Watt Plug-In CFL Jelly Jar	New 13 Watt LED Jelly Jar Fixture	1
26 Watt Plug-In CFL Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	9
30 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 7 Watt LED A19	3
300 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	12
300 Watt Incandescent Jelly Jar	New 26 Watt LED Jelly Jar Fixture	1
300 Watt Quartz Flood Fixture	New 52 Watt LED Flood Fixture	8
32 Watt Compact Fluorescent 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED A19	1
32 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 10 Watt LED A19	6
35 Watt High Pressure Sodium Wall Pack Fixture	New 12 Watt LED Wall Pack Fixture	3
40 Watt Compact Fluorescent Dusk-to-Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	1
40 Watt Incandescent 2-Lamp Candelabra Fixture	Re-Lamp with (2) 5 Watt LED Candelabra	5
40 Watt Incandescent 2-Lamp Fixture	Re-Lamp with (2) 7 Watt LED A19	8
40 Watt Incandescent 3-Lamp Candelabra Fixture	Re-Lamp with (3) 5 Watt LED Candelabra	17
40 Watt Incandescent 3-Lamp Fixture	Re-Lamp with (3) 7 Watt LED A19	5
40 Watt Incandescent 4-Lamp Candelabra Fixture	Re-Lamp with (4) 5 Watt LED Candelabra	8
40 Watt Incandescent 4-Lamp Fixture	Re-Lamp with (3) 7 Watt LED A19	2
	Re-Lamp with (4) 7 Watt LED A19	11
40 Watt Incandescent 4-Lamp Globe	Re-Lamp with (4) 8 Watt LED G25 Globe	3
40 Watt Incandescent 5-Lamp A-Lamp	Re-Lamp with (5) 7 Watt LED A19	4
40 Watt Incandescent 6-Lamp Globe Fixture	Relamp with (6) 8 Watt LED G25	6
40 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 7 Watt LED A19	13
40 Watt Incandescent Candelabra Fixture	Re-Lamp with (1) 5 Watt LED Candelabra	21
40 Watt Incandescent Globe Fixture	Re-Lamp with (1) 8 Watt LED G25 Globe	13
40 Watt Incandescent R20	Re-Lamp with (1) 8 Watt LED BR20	4
40 Watt Incandescent S14	Relamp with (1) 5 Watt LED S14	30
400 Watt High Pressure Sodium 3-Head Flood Fixture; Trunion	(3) New 150 Watt LED Flood Fixtures; Trunion	1
400 Watt High Pressure Sodium Flood Fixture	New 150 Watt LED Flood Fixture	6

EXISTING FIXTURE DESCRIPTION	PROPOSED RETROFIT DESCRIPTION	QUANTITY
400 Watt High Pressure Sodium Flood Fixture; Trunion	New 150 Watt LED Flood Fixture; Trunion	7
400 Watt High Pressure Sodium High Bay Fixture; Plug & Cord	New 150 Watt LED High Bay Fixture	9
400 Watt Mercury Vapor Shoebox Fixture	New 150 Watt LED Shoebox Fixture	7
400 Watt Metal Halide 2-Head Shoebox Fixture	(2) New 150 Watt LED Shoebox Fixtures	5
400 Watt Metal Halide Flood Fixture; Trunion	New 150 Watt LED Flood Fixture; Trunion	177
	(3) New 150 Watt LED Flood Fixtures; Trunion	2
400 Watt Metal Halide Highbay Fixture	New 150 Watt LED High Bay Fixture	1
400 Watt Metal Halide Shoebox Fixture	New 150 Watt LED Shoebox Fixture	17
42 Watt Compact Fluorescent 10" Downlight Fixture	Re-Lamp with (1) 17 Watt LED BR40	18
42 Watt Compact Fluorescent 12" Downlight Fixture	Re-Lamp with (1) 17 Watt LED BR40	58
42 Watt Compact Fluorescent Canopy Fixture	Re-Lamp with (1) 18 Watt LED A21	4
42 Watt Compact Fluorescent Downlight Fixture	Retrofit with 22 Watt LED 6" Downlight	10
42 Watt Compact Fluorescent Downlight Fixture; Very Difficult Access	Retrofit with 22 Watt LED 6" Downlight; Very Difficult Access	10
42 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 18 Watt LED A21	20
42 Watt Compact Fluorescent Wall Pack Fixture	Re-Lamp with (1) 18 Watt LED A21	1
	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	1
42 Watt Plug-In CFL 2-Lamp Canopy Fixture	New 10 Watt LED Canopy Fixture	2
42 Watt Plug-In CFL 2-Lamp Downlight Fixture	Retrofit with 22 Watt LED 6" Downlight	2
42 Watt Plug-In CFL 2-Lamp Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	14
42 Watt Plug-In CFL Downlight Fixture	Retrofit with 9 Watt LED 6" Downlight	3
42 Watt Plug-In CFL Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	4
43 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 18 Watt LED A21	1
50 Watt High Pressure Sodium 8" Downlight Fixture	Retrofit with 13 Watt LED 8" Downlight	5
50 Watt High Pressure Sodium Recessed Fixture	Re-Lamp with (1) 19 Watt LED Omni-Cob Lamp; Hardwire Ballast	1
50 Watt Incandescent 5-Lamp Candelabra Fixture	Re-Lamp with (5) 5 Watt LED Candelabra	1
50 Watt Incandescent MR16 Fixture	Re-Lamp with (1) 7 Watt LED MR16	97
50 Watt Incandescent PAR20	Re-Lamp with (1) 8 Watt LED PAR20	4
50 Watt Incandescent PAR20 6-Lamp Fixture	Relamp with (6) 8 Watt LED PAR20	12
50 Watt Incandescent PAR30 Fixture	Re-Lamp with (1) 10 Watt LED PAR30	6
50 Watt Incandescent R20 Fixture	Re-Lamp with (1) 8 Watt LED BR20	6
50 Watt Metal Halide 8" Downlight	Retrofit with 13 Watt LED 8" Downlight	1
50 Watt Metal Halide Bollard Fixture	New 12 Watt LED Bollard Fixture	7
50 Watt Metal Halide Downlight Fixture	Retrofit with 9 Watt LED 6" Downlight	14
50 Watt Metal Halide Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	28
	Re-Lamp with (1) 19 Watt LED Omni-Cob Lamp; Hardwire Ballast	10
500 Watt 2-Head Quartz Flood	(2) New 52 Watt LED Flood Fixtures	1
500 Watt Quartz Flood Fixture	New 52 Watt LED Flood Fixture	3
52 Watt Incandescent 2-Lamp A-Lamp	Re-Lamp with (2) 10 Watt LED A19	9
52 Watt Incandescent 5-Lamp A-Lamp	Re-Lamp with (5) 10 Watt LED A19	1
52 Watt Incandescent A-Lamp	Re-Lamp with (1) 10 Watt LED A19	21
52 Watt Incandescent Globe Fixture	Re-Lamp with (1) 8 Watt LED G25 Globe	2
60 Watt A-Lamp; Par Holder	Re-Lamp with (1) 10 Watt LED PAR30	6
60 Watt Compact Fluorescent	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	2
60 Watt Compact Fluorescent RLM Fixture	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	1
60 Watt Incandescent 2-Lamp Candelabra Fixture	Re-Lamp with (2) 10 Watt LED A19	2
	Re-Lamp with (1) 5 Watt LED Candelabra	1
60 Watt Incandescent 2-Lamp Canopy	Re-Lamp with (2) 10 Watt LED A19	1
	New 10 Watt LED Canopy Fixture	8
60 Watt Incandescent 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED A19	73
60 Watt Incandescent 2-Lamp Globe Fixture	Re-Lamp with (2) 8 Watt LED G25 Globe	2
60 Watt Incandescent 3-Lamp Candelabra	Re-Lamp with (3) 10 Watt LED A19	1
	Re-Lamp with (3) 5 Watt LED Candelabra	3
60 Watt Incandescent 3-Lamp Fixture	Re-Lamp with (3) 10 Watt LED A19	25
60 Watt Incandescent 4" Downlight Fixture	Re-Lamp with (1) 10 Watt LED BR30	3
60 Watt Incandescent 4-Lamp Candelabra	Re-Lamp with (4) 5 Watt LED Candelabra	1
60 Watt Incandescent 4-Lamp Fixture	Re-Lamp with (4) 10 Watt LED A19	13
60 Watt Incandescent 4-Lamp Globe Fixture	Re-Lamp with (4) 8 Watt LED G25 Globe	1
60 Watt Incandescent 5-Lamp A-Lamp Fixture	Re-Lamp with (5) 10 Watt LED A19	5
60 Watt Incandescent 5-Lamp Candelabra	Re-Lamp with (5) 5 Watt LED Candelabra	4
60 Watt Incandescent 6-Lamp A-Lamp Fixture	Relamp with (6) 10 Watt LED A19	8
60 Watt Incandescent 6-Lamp Candelabra	Relamp with (6) 5 Watt LED Candelabra Lamps	14
60 Watt Incandescent A-Lamp Downlight Fixture	Re-Lamp with (1) 10 Watt LED BR30	32
60 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 10 Watt LED A19	839
60 Watt Incandescent A-Lamp Goose Neck Fixture	Re-Lamp with (1) 10 Watt LED A19	1
60 Watt Incandescent A-Lamp Jelly Jar Fixture	Re-Lamp with (1) 10 Watt LED A19	92
60 Watt Incandescent A-Lamp; Damaged Keyless	New 12" Round 14 Watt LED Drum Fixture	1
60 Watt Incandescent A-Lamp; Difficult Access	Relamp with (1) 10 Watt LED A19; Difficult Access	1
60 Watt Incandescent Candelabra Fixture	Re-Lamp with (1) 5 Watt LED Candelabra	2
60 Watt Incandescent Canopy Fixture	New 10 Watt LED Canopy Fixture	22
60 Watt Incandescent Explosion Proof Fixture	Relamp with (1) 10 Watt LED A19; Difficult Access	1
60 Watt Incandescent Globe Fixture	Re-Lamp with (1) 8 Watt LED G25 Globe	34
60 Watt Incandescent Jelly Jar Fixture; Damaged	New 10 Watt LED A19 Jelly Jar	2
60 Watt Incandescent Jelly Jar Fixture; Red	Re-Lamp with (1) 10 Watt LED A19	2
60 Watt Incandescent PAR30 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED PAR30	1
60 Watt Incandescent PAR30 Fixture	Re-Lamp with (1) 10 Watt LED PAR30	18
60 Watt Incandescent R40	Re-Lamp with (1) 17 Watt LED BR40	5
60 Watt Incandescent Wall Pack Fixture	Re-Lamp with (1) 10 Watt LED A19	4

EXISTING FIXTURE DESCRIPTION	PROPOSED RETROFIT DESCRIPTION	QUANTITY
60 Watt Incandescent Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	20
65 Watt Incandescent 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED A19	1
65 Watt Incandescent 2-Lamp PAR30	Re-Lamp with (2) 10 Watt LED PAR30	2
65 Watt Incandescent 3-Lamp Fixture	Relamp with (3) 10 Watt LED A19	1
65 Watt Incandescent PAR30 Fixture	Re-Lamp with (1) 10 Watt LED PAR30	6
65 Watt Incandescent PAR38	Re-Lamp with (1) 17 Watt LED PAR38	30
65 Watt Incandescent PAR38 2-Lamp Fixture	Re-Lamp with (2) 17 Watt LED PAR38	1
65 Watt Incandescent R30 2-Lamp Fixture	Relamp with (2) 10 Watt LED BR30	1
65 Watt Incandescent R30 3-Lamp Fixture	Relamp with (3) 10 Watt LED BR30	4
65 Watt Incandescent R30 Downlight Fixture	Re-Lamp with (1) 10 Watt LED BR30	36
65 Watt Incandescent R30 Fixture	Re-Lamp with (1) 10 Watt LED BR30	106
65 Watt Incandescent R30 RLM Fixture	Re-Lamp with (1) 10 Watt LED A19	10
70 Watt High Pressure Sodium 8" Downlight Fixture	Retrofit with (1) 42 Watt 8" LED Downlight	2
70 Watt High Pressure Sodium Canopy Fixture	New 20 Watt LED Canopy Fixture	9
70 Watt High Pressure Sodium Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	14
70 Watt High Pressure Sodium Recessed	Re-Lamp with (1) 27 Watt LED Omni-Cob Lamp; Hardwire Ballast	5
70 Watt High Pressure Sodium Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	33
70 Watt Metal Halide Cylinder Fixture; Wall Mount	New 40 Watt LED Cylinder Fixture; Wall Mount	2
70 Watt Metal Halide Dusk to Dawn Fixture	New 26 Watt LED Dusk to Dawn Barnyard Fixture	2
70 Watt Metal Halide Flood Fixture	New 18 Watt LED Flood Fixture	1
70 Watt Metal Halide Wall Pack Fixture	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky	5
70 Watt Metal Halide Wall Pack Fixture; Silver	New 24 Watt LED Wall Pack Fixture; Non-Dark Sky; Difficult Access	4
75 Watt Incandescent 2-Lamp Fixture	Re-Lamp with (2) 10 Watt LED A19	1
75 Watt Incandescent 3-Lamp Fixture	Re-Lamp with (3) 10 Watt LED A19	1
75 Watt Incandescent 5-Lamp Globe Fixture	Re-Lamp with (5) 8 Watt LED G25 Globe	1
75 Watt Incandescent A-Lamp Downlight Fixture	Re-Lamp with (1) 10 Watt LED BR30	2
75 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 10 Watt LED A19	64
75 Watt Incandescent A-Lamp Jelly Jar Fixture	Re-Lamp with (1) 10 Watt LED A19	24
75 Watt Incandescent A-Lamp; PAR Holder	Re-Lamp with (1) 10 Watt LED PAR30	2
75 Watt Incandescent Canopy	New 10 Watt LED Canopy Fixture	1
75 Watt Incandescent Explosion Proof Fixture	Relamp with (1) 10 Watt LED A19; Difficult Access	1
75 Watt Incandescent Jelly Jar Fixture; Damaged	New 18 Watt LED A21 Jelly Jar Fixture	3
75 Watt Incandescent PAR30 Fixture	Re-Lamp with (1) 10 Watt LED PAR30	11
75 Watt Incandescent PAR38	Re-Lamp with (1) 17 Watt LED PAR38	52
75 Watt Incandescent PAR38 2-Lamp	Re-Lamp with (2) 17 Watt LED PAR38	19
75 Watt Incandescent PAR38 3-Lamp Fixture	Relamp with (3) 17 Watt LED PAR38	8
80 Watt Compact Fluorescent	Re-Lamp with (1) 36 Watt LED Omni-Cob Lamp; Hardwire Ballast	8
9 Watt Compact Fluorescent 2-Lamp Fixture	Re-Lamp with (2) 7 Watt LED A19	20
9 Watt Compact Fluorescent 3-Lamp Fixture	Re-Lamp with (3) 7 Watt LED A19	10
9 Watt Compact Fluorescent 4-Lamp Fixture	Re-Lamp with (4) 7 Watt LED A19	10
9 Watt Compact Fluorescent Fixture	Re-Lamp with (1) 7 Watt LED A19	10
90 Watt Incandescent 3-Lamp PAR38 Fixture	Relamp with (3) 17 Watt LED PAR38	4
90 Watt Incandescent A-Lamp Fixture	Re-Lamp with (1) 18 Watt LED A21	2
90 Watt Incandescent PAR38 2-Lamp Fixture	Re-Lamp with (2) 17 Watt LED PAR38	37
90 Watt Incandescent PAR38 Fixture	Re-Lamp with (1) 17 Watt LED PAR38	65
90 Watt Incandescent R40	Re-Lamp with (1) 17 Watt LED PAR38	12
95 Watt Incandescent PAR38 2-Lamp Fixture	Re-Lamp with (2) 17 Watt LED PAR38	5
95 Watt Incandescent PAR38 Fixture	Re-Lamp with (1) 17 Watt LED PAR38	1
Circline Fixture; Damaged	New 16" Round 22 Watt LED Drum Fixture	1
Incandescent Exit Sign; Combo Emergency Heads	New 3 watt LED Exit Sign with Emergency Combo Heads	69
Incandescent Exit Sign; Green	New 3 watt LED Exit Sign	6
T12 1x3 2-Lamp Vanity Fixture; Damaged	Socket	1
T12 1x4 1-Lamp Strip Fixture	Retrofit with (1) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	4
T12 1x4 1-Lamp Vanity Fixture	Retrofit with (1) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	4
T12 1x4 1-Lamp Vaportight Fixture	Retrofit with (1) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	1
T12 1x4 1-Lamp Wrap Fixture	Retrofit with (1) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	1
T12 1x4 2-Lamp Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	16
T12 1x4 2-Lamp Egg Crate Fixture	Socket	9
T12 1x4 2-Lamp Industrial Strip Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	268
T12 1x4 2-Lamp Industrial Strip Fixture; Damaged	Socket	1
T12 1x4 2-Lamp Industrial Strip Fixture; Turret	Socket	62
	Socket	3
T12 1x4 2-Lamp Industrial Strip Fixture; Turret; Difficult Access	Socket	36
T12 1x4 2-Lamp Industrial; Difficult Access	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket; Difficult Access	2
T12 1x4 2-Lamp Strip Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	142
T12 1x4 2-Lamp Surface Mount Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	1
T12 1x4 2-Lamp Vanity Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	16
T12 1x4 2-Lamp Vanity Fixture; Damaged	Socket	23
T12 1x4 2-Lamp Vaportight Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	257
T12 1x4 2-Lamp Vaportight Fixture; Damaged	Socket	32
T12 1x4 2-Lamp Wrap Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	270
T12 1x4 2-Lamp Wrap Fixture; Damaged	Socket	64
T12 1x4 2-Lamp Wrap Fixture; Difficult Access	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket; Difficult Access	8
T12 1x4 3-Lamp Troffer Fixture	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	14
T12 1x4 3-Lamp Wrap Fixture	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	2
T12 1x4 4-Lamp Direct/Indirect Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	4
T12 1x4 4-Lamp Egg Crate Fixture	Socket	7

EXISTING FIXTURE DESCRIPTION	PROPOSED RETROFIT DESCRIPTION	QUANTITY
T12 1x4 4-Lamp Strip Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	2
T12 1x4 4-Lamp Troffer Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	13
T12 1x4 4-Lamp Wrap Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	98
T12 1x4 4-Lamp Wrap Fixture; Damaged	Socket	33
T12 1x8 1-Lamp Industrial Fixture; Turret	Socket	9
T12 1x8 1-Lamp Wrap Fixture with 60 Watt Lamps	Socket	2
T12 1x8 2-Lamp Egg Crate Fixture	Socket	2
T12 1x8 2-Lamp Industrial Strip Fixture with 60 Watt Lamps	Direct Wire to Socket	69
T12 1x8 2-Lamp Industrial Strip Fixture with 75 Watt Lamps	Direct Wire to Socket	12
T12 1x8 2-Lamp Industrial Strip Fixture; Difficult Access	Direct Wire to Socket; Difficult Access	12
T12 1x8 2-Lamp Strip Fixture with 60 Watt Lamps	Socket	80
T12 1x8 2-Lamp Strip Fixture with 75 Watt Lamps	Socket	9
T12 1x8 2-Lamp Vaportight Fixture with 60 Watt Lamps	Socket	7
T12 1x8 2-Lamp Vaportight Fixture with 75 Watt Lamps	Socket	6
T12 1x8 2-Lamp Wrap Fixture with 60 Watt Lamps	Socket	2
T12 1x8 2-Lamp Wrap Fixture; Damaged	Socket	16
T12 1x8 3-Lamp Industrial Strip Fixture; Turret	Wire to Socket	10
T12 1x8 4-Lamp Industrial Fixture; Turret	Socket	7
T12 2x2 1-Lamp Strip Fixture	Retrofit with (1) 10 Watt LED T8 2' Lamp; Direct Wire to Socket	2
T12 2x2 1-Lamp Troffer Fixture	Retrofit with (1) 10 Watt LED T8 2' Lamp; Direct Wire to Socket	3
T12 2x2 2-Lamp Strip Fixture	Retrofit with (2) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	3
T12 2x2 2-Lamp U-Lamp Troffer Fixture with 6" Lamps	Direct Wire to Socket	63
T12 2x2 2-Lamp Vanity Fixture	Retrofit with (2) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	12
T12 2x2 2-Lamp Wrap Fixture	Retrofit with (2) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	4
T12 2x2 4-Lamp Surface Mount Fixture	Retrofit with (4) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	4
T12 2x3 1-Lamp Strip Fixture	Retrofit with (1) 12 Watt LED T8 3' Lamp; Direct Wire to Socket	1
T12 2x3 1-Lamp Troffer Fixture	Retrofit with (1) 12 Watt LED T8 3' Lamp; Direct Wire to Socket	1
T12 2x3 2-Lamp Strip Fixture	Retrofit with (2) 12 Watt LED T8 3' Lamps; Direct Wire to Socket	2
T12 2x3 2-Lamp Vanity Fixture	Retrofit with (2) 12 Watt LED T8 3' Lamps; Direct Wire to Socket	1
T12 2x4 2-Lamp Surface Mount Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	71
T12 2x4 2-Lamp Surface Mount Fixture; Difficult Access	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	6
T12 2x4 2-Lamp Troffer Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	105
T12 2x4 2-Lamp Volumetric Troffer Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	53
T12 2x4 3-Lamp Troffer Fixture	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	4
T12 2x4 4-Lamp Surface Mount Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	65
T12 2x4 4-Lamp Surface Mount Fixture; Damaged	Socket	2
T12 2x4 4-Lamp Surface Mount Fixture; Difficult Access	Retrofit with (4) 14 Watt LED T8 4' Lamps and (2) Dimming Driver	1
T12 2x4 4-Lamp Troffer Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	226
T12 2x4 4-Lamp Troffer Fixture; Damaged	to Socket	10
T12HO 1x8 2-Lamp Industrial Fixture; Turret	Socket	1
T12HO 1x8 2-Lamp Industrial Fixture; Turret; Difficult Access	Socket; Difficult Access	8
T12HO 1x8 2-Lamp Industrial Strip Fixture with 110 Watt Lamps	Direct Wire to Socket	23
T12HO 1x8 2-Lamp Industrial Strip Fixture with 95 Watt Lamps	Direct Wire to Socket	8
T12HO 1x8 2-Lamp Strip Fixture with 110 Watt Lamps	Socket	45
T12HO 1x8 2-Lamp Strip Fixture with 95 Watt Lamps	Socket	9
T12HO 1x8 3-Lamp Industrial Strip Fixture; Turret	Wire to Socket	5
T12VHO 1x8 2-Lamp Industrial Strip Fixture; Turret	Wire to Socket	7
T12VHO 1x8 2-Lamp Strip Fixture	Wire to Socket	4
T5 1x4 4-Lamp Wrap Fixture	Retrofit with (4) 13 Watt LED T5 4' Lamps; Direct Wire to Socket	3
T5 2x2 2-Lamp Surface Mount Fixture	Retrofit with (2) 9 Watt LED 2' T5 Lamps; Direct Wire to Socket	41
T5 2x2 2-Lamp Troffer Fixture	Retrofit with (2) 9 Watt LED 2' T5 Lamps; Direct Wire to Socket	12
T5HO 2x4 6-Lamp High Bay Fixture	New 150 Watt LED High Bay Fixture	6
T8 1x2 2-Lamp Vanity Fixture	Retrofit with (2) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	41
T8 1x2 2-Lamp Wrap Fixture; Damaged	Socket	1
T8 1x3 2-Lamp Strip Fixture; Difficult Access	Retrofit with (2) 12 Watt LED T8 3' Lamps; Direct Wire to Socket; Difficult Access	4
T8 1x3 3-Lamp Strip Fixture; Difficult Access	Retrofit with (3) 12 Watt LED T8 3' Lamps; Direct Wire to Socket	6
T8 1x4 1-Lamp Strip Fixture	Retrofit with (1) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	3
T8 1x4 1-Lamp Vanity Fixture	Retrofit with (1) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	13
T8 1x4 1-Lamp Vaportight Fixture	Retrofit with (1) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	1
T8 1x4 1-Lamp Wrap Fixture	Retrofit with (1) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	21
T8 1x4 2-Lamp Angle Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	11
T8 1x4 2-Lamp Direct/Indirect Linear Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	123
T8 1x4 2-Lamp Direct/Indirect Linear Fixture; Dimming	Retrofit with (2) 14 Watt LED T8 4' Lamps and (1) Dimming Driver	1
T8 1x4 2-Lamp Industrial Strip Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	81
T8 1x4 2-Lamp Industrial Strip Fixture; Turret	Socket	125
T8 1x4 2-Lamp Strip Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	74
T8 1x4 2-Lamp Strip Fixture; Difficult Access	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket; Difficult Access	4
T8 1x4 2-Lamp Strip Fixture; Dimming; Difficult Access	Retrofit with (2) 14 Watt LED T8 4' Lamps and (1) Dimming Driver; Difficult Access	12
T8 1x4 2-Lamp Troffer Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	3
T8 1x4 2-Lamp Troffer Fixture with 28 Watt Lamps	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	2
T8 1x4 2-Lamp Vanity Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	166
T8 1x4 2-Lamp Vanity Fixture; Damaged	New 1x2 2-Lamp Vanity Fixture with (2) 10 Watt LED 2' Lamps; Direct Wire to Socket	1
T8 1x4 2-Lamp Vaportight Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	303
T8 1x4 2-Lamp Vaportight Fixture; Damaged	Socket	6
T8 1x4 2-Lamp Vaportight Fixture; Difficult Access	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket; Difficult Access	32
T8 1x4 2-Lamp Vaportight Fixture; Very Difficult Access	Access	2
T8 1x4 2-Lamp Wrap Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	283

EXISTING FIXTURE DESCRIPTION	PROPOSED RETROFIT DESCRIPTION	QUANTITY
T8 1x4 2-Lamp Wrap Fixture; Damaged	Socket	5
T8 1x4 2-Lamp Wrap Fixture; Difficult Access	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket; Difficult Access	5
T8 1x4 3-Lamp Industrial Strip Fixture	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	17
T8 1x4 3-Lamp Vaportight Fixture	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	3
T8 1x4 3-Lamp Wrap Fixture	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	8
T8 1x4 3-Lamp Wrap Fixture; Difficult Access	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket; Difficult Access	4
T8 1x4 4-Lamp Direct/Indirect Fixture with 28 Watt Lamps	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	16
T8 1x4 4-Lamp Direct/Indirect Linear Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	12
T8 1x4 4-Lamp Direct/Indirect Linear Fixture; Dimming	Retrofit with (4) 14 Watt LED T8 4' Lamps and (2) Dimming Driver	14
T8 1x4 4-Lamp Industrial Strip Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	1
T8 1x4 4-Lamp Industrial Strip Fixture; Turret	Socket	3
T8 1x4 4-Lamp Vanity Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	2
T8 1x4 4-Lamp Wrap Fixture; Difficult Access	Retrofit with (4) 14 Watt LED T8 4' Lamps and (2) Dimming Driver	8
T8 1x4 4-Lamp Wrap Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	153
T8 1x8 1-Lamp Vanity Fixture	Socket	10
T8 1x8 2-Lamp Strip Fixture with 59 Watt Lamps	Socket	51
T8 1x8 4-Lamp Industrial Strip Fixture; Turret	Socket	6
T8 1x8 4-Lamp Industrial Strip Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	8
T8 1x8 4-Lamp Strip Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	18
T8 1x8 4-Lamp Vaportight Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	16
T8 1x8 6-Lamp Industrial Strip Fixture	Retrofit with (6) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	3
T8 1x8 6-Lamp Vaportight Fixture	Retrofit with (6) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	11
T8 2x2 1-Lamp Vanity Fixture	Retrofit with (1) 10 Watt LED T8 2' Lamp; Direct Wire to Socket	69
T8 2x2 2-Lamp Industrial Strip Fixture	Retrofit with (2) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	2
T8 2x2 2-Lamp Troffer Fixture	Retrofit with (2) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	16
T8 2x2 2-Lamp U-Lamp Troffer Fixture with 1-5/8" Lamps	Direct Wire to Socket	16
T8 2x2 2-Lamp U-Lamp Troffer Fixture with 6" Lamps	Direct Wire to Socket	19
T8 2x2 2-Lamp Wrap Fixture	Retrofit with (2) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	4
T8 2x2 3-Lamp Surface Mount Fixture	Retrofit with (3) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	7
T8 2x2 3-Lamp Troffer Fixture	Retrofit with (3) 10 Watt LED T8 2' Lamps; Direct Wire to Socket	9
T8 2x3 1-Lamp Strip Fixture	Retrofit with (1) 12 Watt LED T8 3' Lamp; Direct Wire to Socket	2
T8 2x3 2-Lamp Industrial Strip Fixture	Retrofit with (2) 12 Watt LED T8 3' Lamps; Direct Wire to Socket	2
T8 2x3 2-Lamp Strip Fixture	Retrofit with (2) 12 Watt LED T8 3' Lamps; Direct Wire to Socket	2
T8 2x3 2-Lamp Troffer Fixture	Retrofit with (2) 12 Watt LED T8 3' Lamps; Direct Wire to Socket	6
T8 2x3 2-Lamp Vanity Fixture	Retrofit with (2) 12 Watt LED T8 3' Lamps; Direct Wire to Socket	4
T8 2x4 2-Lamp Surface Mount Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	41
T8 2x4 2-Lamp Troffer Fixture	Retrofit with (2) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	54
T8 2x4 2-Lamp Volumetric Fixture; Dimming	Retrofit with (2) 14 Watt LED T8 4' Lamps and (1) Dimming Driver	12
T8 2x4 3-Lamp Surface Mount Fixture	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	6
T8 2x4 3-Lamp Troffer Fixture	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	5
T8 2x4 3-Lamp Troffer Fixture; Parabolic	Retrofit with (3) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	64
T8 2x4 4-Lamp Surface Mount Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	18
T8 2x4 4-Lamp Surface Mount Fixture; Damaged	Socket	1
T8 2x4 4-Lamp Troffer Fixture	Retrofit with (4) 12.5 Watt LED T8 4' Lamps; Direct Wire to Socket	110
T8 2x4 4-Lamp Troffer Fixture; Damaged	to Socket	12
T8 2x4 6-Lamp High Bay Fixture	New 150 Watt LED High Bay Fixture	2
T8HO 1x4 2-Lamp Strip Fixture	New 40 Watt LED Canopy Fixture	5
TT5 2x2 2-Lamp FT40 Troffer Fixture with 40 Watt Biax Lamps	Retrofit with (2) 17 Watt LED FT40; Direct Wire to Socket	150
Grand Total		11006