

Maryland Transit Administration EPC PROJECT

**SUMMARY OF ALL COST ITEMS
ENERGY PERFORMANCE CONTRACT
DGS PROJECT #**

Building	Energy Conservation Measures	Equipment	Total Cost \$
Eastern Bus Division - Bldg Transportation	Lighting Upgrade	16 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit , 9 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x 200watt metal halide pulse start kit 277v,2 x New 1 lamp F17/T8 wrap fixture w/Low Power HE/unv ballast,1 x no retrofit existing 150 watt high pressure sodium fixture,1 x no retrofit existing 26w compact fluorescent fixture	
Eastern Bus Division - Maint. Shop	Lighting Upgrade	9 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit , 2 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector & centering kit,1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,1 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F17/T8 lamps,18 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,2 x Retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L low Power HE/unv ballast and polished aluminum reflector kit, 1 x 125watt metal halide pulse start kit multtap,1 x 200watt metal halide pulse start kit 277v,1 x delamp (2) 3-lamp fixtures and Tandem wire (2) 2-lamp fixtures w/ F32T8 high lumen lamps and (1) 4L High Power HE/unv ballast and a custom polished aluminum reflector kit with 2 4' reflectors 95% reflectivity or better,1 x New 1 lamp F17/T8 wrap fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,2 x New 4 lamp F32/T8 8-foot wide body wrap fixture w/Low Power	
Eastern Bus Division - Wash House	Lighting Upgrade	2 x New 4 lamp F32/T8 8-foot wide body wrap fixture w/Low Power HE/unv ballast , 1 x New 4 lamp F32/T8 high bay fixture HP ballast, Miro 4 reflector,lens,gasket, door frame, wireguard, safety cable,1 x New 8' 2 lamp F32/T8 industrial fixture w/High Power HE/unv ballast,1 x no retrofit existing 400 watt high pressure sodium fixture,1 x Tandem wire (2) 1-lamp fixtures w/ F32T8 lamps and (1) 2L Low Power HE/unv ballast	
EASTERN BUS DIVISION			54,518.00
Kirk Bus Division	Lighting Upgrade	6 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit , 1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector & centering kit , 31 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,3 x Retrofit 3L fixture w/ (1) 3L Low Power HE universal voltage electronic ballast and (3)F32T8 lamps,10 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,2 x 200watt metal halide pulse start kit 277v,1 x delamp (2) 3-lamp fixtures and Tandem wire (2) 2-lamp fixtures w/ F32T8 high lumen lamps and (1) 4L High Power HE/unv ballast and a custom polished aluminum reflector kit with 2 4' reflectors 95% reflectivity or better , 1 x New 1 lamp F32/T8vapor tight fixture w/Normal Power HE/unv ballast,2 x New 125 watt pulse start metal halide surface mount fixture , 1 x New 2 lamp F32/T8 8-foot wrap fixture w/ High Power HE/unv ballast,2 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,2 x New 4 lamp F32/T8 8-foot vp fixture w/Low Power HE/unv ballast,1 x New 4 l	
KIRK BUS DIVISION			59,609.00
North West Bus Division	Lighting Upgrade	2 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F17T8 lamp,6 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp , 2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F17/T8 lamps,24 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,14 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,4 x 320watt metal halide pulse start kit multi-tap,1 x New 2 lamp F32/T8 industrial fixture w/High Power HE/unv ballast, wire guard,3 x New 2 lamp F32/T8 wrap fixture w/High Power HE/unv ballast,2 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,2 x New 6 lamp T8 32 watt high bay fixture high power ballast, hang feed, Miro 4 reflector, lens, gasket, doorframe, safety cable, wireguard, mounting bracket, center mounting box & 2 gripple hangers,3 x no retrofit existing 150 watt high pressure sodium fixture,1 x no retrofit existing 60 watt incandescent fixture on dimmer,1 x no retrofit existing 70 watt metal halide fixture,1 x Remove e	
North West Bus Storage Facility	Lighting Upgrade	6 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,2 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F17T8 lamp,1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,22 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x 320watt metal halide pulse start kit multi-tap,4 x New 2 lamp F32/T8 industrial fixture w/High Power HE/unv ballast, wire guard,2 x New 6 lamp T8 32 watt high bay fixture with high/low step dimming ballast; hang feed with occupancy sensor control added at factory, Miro 4 reflector, lens, gasket, door frame, wire guard, mnt bracket, center mounting box & 2 gripple hangers, raise fixtures at same location,2 x New 6 lamp T8 32 watt wide body vapor tight wall mount fixture High Power Ballast 4' or 8' body as needed,2 x New 6 lamp T8 32 watt wide body vapor tight wash bay fixture High Power Ballast 4' or 8' body as needed,1 x no retrofit existing 150 watt high pressure sodium fixture,1 x no retrofit existing 70 watt metal halide fixture,5 x Replace existing doub	
NORTHWEST BUS DIVISION			220,654.00

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Wash Blvd Complex & Bush Bus Div - Bldg 1	Lighting Upgrade	8 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,14 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,104 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit, consider new prismatic lens,12 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector & centering kit,1 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,2 x Retrofit 3L fixture w/ (1) 2L and (1) 1L Low Power HE universal voltage electronic ballasts and (3) F32T8 lamps for dual sw.,1 x Retrofit 3L fixture w/ (1) 3L Low Power HE universal voltage electronic ballast and (3)F32T8 lamps,15 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,2 x no retrofit cf226,3 x no retrofit existing (2) 13w compact fluorescent fixture,14 x no retrofit existing 2 lamp 18w compact fluorescent fixture,1 x no retrofit	
Wash Blvd Complex & Bush Bus Div - Bldg 10	Lighting Upgrade	2 x New 4 lamp F32/T8 high bay fixture HP ballast, Miro 4 reflector,lens,gasket, door frame, wireguard, safety cable,4 x New 6 lamp T8 32 watt high bay fixture, Miro 4 reflector, lens, gasket, door frame, wire guard, mnt bracket	
Wash Blvd Complex & Bush Bus Div - Bldg 2	Lighting Upgrade	7 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit, consider new prismatic lens,7 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps; tube guards,1 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x 2 - 18 watt PAR38 floor screw in lamps in 1 fixture,1 x New 2 lamp F32/T8 8-foot strip fixture w/ High Power HE/unv ballast,2 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast, asymetrical Miro 4 reflector; fixture to be wall mount,1 x New 6 lamp T8 32 watt high bay fixture high power ballast, hang feed, Miro 4 reflector, lens, gasket, doorframe, safety cable, wireguard, mounting bracket, center mounting box & 2 gripple hangers,2 x New 6 lamp T8 32 watt high bay fixture, Miro 4 reflector, lens & gasket, door frame, wire guard	
Wash Blvd Complex & Bush Bus Div - Bldg 3	Lighting Upgrade	5 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,5 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector & centering kit,12 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,3 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x Delamp 8' industrial fixture to (2) F32/T8 lamp w/ (1) 2L High Power HE/unv ballast and white or polished aluminum reflector kit, wireguard,2 x Delamp 8' industrial fixture to (4) F32/T8 lamp w/ (1) 4L Low Power HE/unv ballast and white or polished aluminum reflector kit,1 x New 1 lamp F32/T8 strip fixture w/High Power HE/unv ballast,1 x New 2 lamp F32/T8 8-foot strip fixture w/ High Power HE/unv ballast, tube guards,1 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast, tube guards,1	
Wash Blvd Complex & Bush Bus Div - Bldg 4	Lighting Upgrade	5 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,5 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,2 x 150watt metal halide pulse start kit multitap,1 x New 2 lamp F32/T8 8-foot strip fixture w/ High Power HE/unv ballast, tube guards,1 x New 2 lamp F32/T8 vapor tight fixture w/High Power HE/unv ballast, new pipe,2 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot vp fixture w/High Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot industrial fixture w/ daylight dimming ballast & photocell,4 x New 6 lamp T8 32 watt high bay fixture, Miro 4 reflector, lens & gasket, door frame, wire guard, mounting bracket, safety cable; move fixture 3' or less if necessary,4 x Retrofit 2x2 fixture to (3) F17/T8 lamps w/ (1) 3L Normal Power HE/unv ballast and polished aluminum reflector kit,1 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
Wash Blvd Complex & Bush Bus Div - Bldg 5	Lighting Upgrade	21 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,8 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit, consider new prismatic lens,1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit, relocate fixture,13 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,4 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps; tube guards,1 x Retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,7 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x Delamp 4' industrial fixture to (2) F32/T8 lamp w/ (1) 2L Low Power HE/unv ballast and white or polished aluminum reflector kit, wireguard,4 x New 2 lamp F32/T8 8-foot strip fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,5 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast, tube guards,1 x New 4 lamp	
Wash Blvd Complex & Bush Bus Div - Bldg 6	Lighting Upgrade	13 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,5 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,2 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast, tube guards,1 x New 4 lamp F32/T8 8-foot strip fixture w/Low Power HE/unv ballast, tube guards,2 x New 6 lamp T8 32 watt high bay fixture, Miro 4 reflector, lens & gasket door frame, wire guard, mounting bracket, safety cable; move fixture 3' or less if necessary,1 x no retrofit existing LED exit,1 x Replace existing lamp w/ new 13w compact fluorescent medium based screw-in lamp,1 x Replace existing lamps w/ (3) new 8w A-lamp style cold cathode screw-in lamp	

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Wash Blvd Complex & Bush Bus Div - Bldg 8	Lighting Upgrade	1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,1 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 5000K lamps,4 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,4 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 5000K lamps for paint booth fixtures,1 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x New 4 Lamp F32/T8 vapor tight fixture w/ Low Power HE/unv ballast,1 x New 4 Lamp F32/T8 vapor tight fixture w/ Low Power HE/unv ballast, chain hangers,4 x New 6 lamp T8 32 watt high bay fixture with programmed start high power ballast hang feed with occupancy sensor control, Miro 4 reflector,lens,gasket,door frame, wire guard, mnt bracket,center mounting box & 2 gripple hangers,1 x New 6 lamp T8 32 watt high bay fixture, Miro 4 reflector, lens & gasket, door frame, wire guard, mounting bracket, safety cable; move fixture 3' or less if necessary,1 x no retrofit existing 4Lamp T12,1 x Tandem wire (2) 2-lamp fixtures w/ F	
Wash Blvd Complex & Bush Bus Div - Bldg 9	Lighting Upgrade	9 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,5 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector & centering kit,23 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,23 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x 150watt metal halide pulse start kit multitap,2 x New 1 Lamp F32/T8 wrap fixture w/ High Power HE/unv ballast,1 x New 2 lamp F32/T8 industrial fixture w/High Power HE/unv ballast, wire guard,3 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast, pullchain,1 x New 4 lamp F32/T8 8-foot strip fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot vp fixture w/Low Power HE/unv ballast,1 x New 4 lamp T8 32 watt high bay fixture high power ballast, lens,gasket,door frame, wireguard, center mounting box & 2 g	
Wash Blvd Complex & Bush Bus Div - Bldg Ryders	Lighting Upgrade	3 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,9 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x New 2 lamp F32/T8 8-foot strip fixture w/ High Power HE/unv ballast, tube guards,1 x New 2 lamp F32/T8 strip fixture w/Low Power HE/unv ballast, tube guards,2 x New 4 lamp F32/T8 wide body vapor tight wash bay fixture HP ballast,2 x no retrofit existing 175 watt metal halide fixture,1 x no retrofit existing 26w compact fluorescent fixture,1 x Replace existing lamp w/ new 13w compact fluorescent medium based screw-in lamp,1 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
Wash Blvd Complex & Bush Bus Div - Bldg South Monroe St - 1331	Lighting Upgrade	19 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit, consider new prismatic lens,2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F17/T8 lamps,15 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,1 x Retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,1 x New 2 lamp F32/T8 strip fixture w/Low Power HE/unv ballast,2 x New 4 lamp F32/T8 8-foot industrial fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot industrial fixture w/Normal Power HE/unv ballast,1 x New 6 lamp T8 32 watt high bay fixture high power ballast, hang feed, Miro 4 reflector, lens, gasket, doorframe, safety cable, wireguard, mounting bracket, center mounting box & 2 gripple hangers,1 x New 6 lamp T8 32 watt high bay fixture with high/low step dimming ballast; hang feed w	
Wash Blvd Complex & Bush Bus Div - Bldg 1310	Lighting Upgrade	2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x 150watt metal halide pulse start kit multitap,1 x New 2 lamp F32/T8 8-foot strip fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 8-foot strip fixture w/Low Power HE/unv ballast,1 x New 4 lamp F32/T8 high bay fixture HP ballast, Miro 4 reflector,lens,gasket, door frame, wireguard, safety cable	
WASHINGTON BLVD DIVISION			\$577,887
Baltimore Street	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp	
Centre Street	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp	
Convention Center	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp	
Cromwell Maint. Construction Office	Lighting Upgrade	11 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps	
Cromwell Maintenance	Lighting Upgrade	2 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum or white reflector kit, 3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F28T8 lamp,21 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps, 19 x Retrofit 3L fixture w/ (1) 3L Low Power HE universal voltage electronic ballast and (3)F28T8 lamps,2 x New 4 lamp F28/T8 high bay fixture HP ballast, 4' or 8' body as needed, Miro4 reflector, wire guard, 4 x New 4 lamp T5/HO high bay fixture, Miro 4 reflector, lens, gasket, door frame, safety cable,wire guard, occupancy sensor if needed to be field installed,1 x New 6 lamp T5 54 watt programmed start Ballast high bay mount fixture , wide body vapor tight, 4' or 8' body as needed, polished alum reflector if needed, occupancy sensor control, if needed to be field installed, 1 x New 6 lamp T5/HO high bay fixture,Miro 4 reflector, lens,gasket,door frame,mnt bracket, safety cable, 2 programmed start ballasts, wire guard, occupancy sensor if needed to be field installed,1 x Replace existing lamp w/ new 27w compact fluorescent tripl	
Lexington North	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp	
Lexington South	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp	

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Light Rail North Ave Maint Facility	Lighting Upgrade	1 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum or white reflector kit, 1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F28T8 lamp,62 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps, 7 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 high lumen lamps,21 x Retrofit 3L fixture w/ (1) 3L Low Power HE universal voltage electronic ballast and (3)F28T8 lamps, 20 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F28T8 lamps,1 x 8' reflector kit with adjustable socket brackets, white or polished aluminum; 4 28 watt T8 lamps and Low Power Ballast, 1 x awaiting specific information,1 x New 4 lamp T5/HO high bay fixture, Miro 4 reflector, lens, gasket, door frame, safety cable,wire guard, occupancy sensor if needed to be field installed, 1 x New 5 lamp T5/HO high bay fixture,Miro 4 reflector,lens,gasket,door frame, safety cable, 2 programmed start ballasts, wire guard, occupancy sensor if needed to be field instal	
LIGHT RAIL FACILITIES			\$203,937
Frederick Fueling Facility	Lighting Upgrade	2 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F28T8 lamp,4 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps,6 x Retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,1 x Retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv battery backup ballast and polished aluminum reflector kit,1 x no retrofit 1L25w,4 x no retrofit cf226,1 x not enough information to include in audit,2 x Relamp existing 2-40w biax with w/(2) New 25w biax lamps on existing NP electronic ballast,2 x Relamp w/(2) New F28/T8 lamps on existing NP electronic ballast	
Laurel Station	Lighting Upgrade	1 x Replace existing lamps w/ (2) new 13w compact fluorescent medium based screw-in lamps,,19 x New 2 lamp F32/T8 vapor tight fixture w/High Power step dimming HE/unv ballast and high lumen 5K lamps, deep lens, wide distribution reflector; 6' cord; factory installed occupancy sensor; mounting bracket; fixture centered to ceiling beams,,2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F25/T8 lamps,16 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps,1 x retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,2 x 200watt metal halide pulse start kit multi-tap,20 x New 2 lamp F32/T8 vapor tight fixture w/High Power step dimming HE/unv ballast and high lumen 5K lamps, deep lens, wide distribution reflector; 6' cord; factory installed occupancy sensor; mounting bracket; fixture centered to ceiling beams,7 x no retrofit existing 100 watt high pressure sodium fixture,1 x no retrofit existing 2 400 watt high pressure sodium fixtures,6 x no retrofit existing 400 watt high pressure sodium fixture,7 x no retrofit existing LED exit,2 x R	
MARC BWI Parking Garage 1	Lighting Upgrade	19 x New 2 lamp F32/T8 vapor tight fixture w/High Power step dimming HE/unv ballast and high lumen 5K lamps, deep lens, wide distribution reflector; 6' cord; factory installed occupancy sensor; mounting bracket; fixture centered to ceiling beams,,2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F25/T8 lamps,16 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps,1 x retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,2 x 200watt metal halide pulse start kit multi-tap,20 x New 2 lamp F32/T8 vapor tight fixture w/High Power step dimming HE/unv ballast and high lumen 5K lamps, deep lens, wide distribution reflector; 6' cord; factory installed occupancy sensor; mounting bracket; fixture centered to ceiling beams,7 x no retrofit existing 100 watt high pressure sodium fixture,1 x no retrofit existing 2 400 watt high pressure sodium fixtures,6 x no retrofit existing 400 watt high pressure sodium fixture,7 x no retrofit existing LED exit,2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F25/T8 lamps,16 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps,1 x retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,2 x 200watt metal halide pulse start kit multi-tap,20 x New 2 lamp F32/T8 vapor tight fixture w/High Power step dimming HE/unv ballast and high lumen 5K lamps, deep lens, wide distribution reflector; 6' cord; factory installed occupancy sensor; mounting bracket; fixture centered to ceiling beams,7 x no retrofit existing 100 watt high pressure sodium fixture,1 x no retrofit existing 2 400 watt high pressure sodium fixtures,6 x no retrofit existing 400 watt high pressure sodium fixture,7 x no retrofit existing LED exit	
MARC BWI Parking Garage 2	Lighting Upgrade	2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F25/T8 lamps,16 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps,1 x retrofit 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,2 x 200watt metal halide pulse start kit multi-tap,20 x New 2 lamp F32/T8 vapor tight fixture w/High Power step dimming HE/unv ballast and high lumen 5K lamps, deep lens, wide distribution reflector; 6' cord; factory installed occupancy sensor; mounting bracket; fixture centered to ceiling beams,7 x no retrofit existing 100 watt high pressure sodium fixture,1 x no retrofit existing 2 400 watt high pressure sodium fixtures,6 x no retrofit existing 400 watt high pressure sodium fixture,7 x no retrofit existing LED exit	
Martin State Station	Lighting Upgrade	2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F28T8 lamps,,10 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F28T8 lamps,2 x New 6 lamp T8 32 watt lamp high bay fixture with (2) high power ballast and hang feed, 4' or 8' size as needed, Miro 4 reflectors, leans, gasket,door frame, safety cable, wire guard, mnt bracket,2 x Replace existing lamp w/ new 23w compact fluorescent medium based screw-in lamp,2 x 200watt metal halide pulse start kit multi-tap,1 x 320watt metal halide pulse start kit multi-tap,2 x 200watt metal halide pulse start kit multi-tap,1 x 320watt metal halide pulse start kit multi-tap,10 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F28T8 lamps,2 x New 6 lamp T8 32 watt lamp high bay fixture with (2) high power ballast and hang feed, 4' or 8' size as needed, Miro 4 reflectors, leans, gasket,door frame, safety cable, wire guard, mnt bracket,2 x Replace existing lamp w/ new 23w compact fluorescent medium based screw-in lamp,2 x 200watt metal halide pulse start kit multi-tap,1 x 320watt metal halide pulse start kit multi-tap,10 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F28T8 lamps,2 x New 6 lamp T8 32 watt lamp high bay fixture with (2) high power ballast and hang feed, 4' or 8' size as needed, Miro 4 reflectors, leans, gasket,door frame, safety cable, wire guard, mnt bracket,2 x Replace existing lamp w/ new 23w compact fluorescent medium based screw-in lamp,2 x 200watt metal halide pulse start kit multi-tap,1 x 320watt metal halide pulse start kit multi-tap,2 x 200watt metal halide pulse start kit multi-tap,2 x 200watt metal halide pulse start kit multi-tap,1 x 320watt metal halide pulse start kit multi-tap	
Middle River - Martins Maint. Shop	Lighting Upgrade	10 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F28T8 lamps,2 x New 6 lamp T8 32 watt lamp high bay fixture with (2) high power ballast and hang feed, 4' or 8' size as needed, Miro 4 reflectors, leans, gasket,door frame, safety cable, wire guard, mnt bracket,2 x Replace existing lamp w/ new 23w compact fluorescent medium based screw-in lamp,2 x 200watt metal halide pulse start kit multi-tap,1 x 320watt metal halide pulse start kit multi-tap,2 x 200watt metal halide pulse start kit multi-tap,2 x 200watt metal halide pulse start kit multi-tap,1 x 320watt metal halide pulse start kit multi-tap	
Middle River - Martins Maint. Shop HID	Lighting Upgrade	2 x 200watt metal halide pulse start kit multi-tap,1 x 320watt metal halide pulse start kit multi-tap	
MARC FACILITIES			\$368,833
Charles Center Station	Lighting Upgrade	18 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,72 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,3 x Retrofit 3L fixture w/ (1) 3L Low Power HE universal voltage electronic ballast and (3)F32T8 lamps,1 x Delamp 2x2 fixture to (3) F17/T8 lamps w/ (1) 3L Normal Power HE/unv ballast and polished aluminum reflector kit,1 x locked area not audited, 1 x New 6 lamp T8 32 watt wide body vapor tight wall mount fixture High Power Ballast 4' or 8' body as needed,1 x no retrofit cf226,4 x no retrofit existing 1Lamp F32/T8,5 x no retrofit existing 26w compact fluorescent fixture,7 x no retrofit existing 2Lamp F32/T8,3 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
Charles Center Station HID	Lighting Upgrade	2 x no retrofit existing 150 watt metal halide fixture,1 x no retrofit existing 250 watt metal halide fixture,5 x no retrofit existing 70 watt metal halide fixture,,3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,70 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,21 x no retrofit existing 18w compact fluorescent fixture,2 x no retrofit existing 2 48 watt lamp T12 HO,1 x No retrofit existing 2 lamp T5/HO fixture ,7 x no retrofit existing 2Lamp F32/T8,1 x Retrofit w/(2) New F28/T8 U-lamps and new Low Power electronic ballast	
Penn-North Station	Lighting Upgrade	3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,70 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,21 x no retrofit existing 18w compact fluorescent fixture,2 x no retrofit existing 2 48 watt lamp T12 HO,1 x No retrofit existing 2 lamp T5/HO fixture ,7 x no retrofit existing 2Lamp F32/T8,1 x Retrofit w/(2) New F28/T8 U-lamps and new Low Power electronic ballast,6 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast, 2 x no retrofit existing 100 watt metal halide fixture,2 x no retrofit existing 250 watt metal halide fixture	
Penn-North Station HID	Lighting Upgrade	2 x no retrofit existing 100 watt metal halide fixture,2 x no retrofit existing 250 watt metal halide fixture,3 x no retrofit existing 320 pulse start watt metal halide fixture,2 x no retrofit existing 400 watt metal halide fixture,6 x no retrofit existing 70 watt metal halide fixture,,2 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,12 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,,3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,60 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps	
Ashland Avenue	Lighting Upgrade	2 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,12 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps	

Maryland Transit Administration EPC PROJECT

**SUMMARY OF ALL COST ITEMS
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DGS PROJECT #**

Building	Energy Conservation Measures	Equipment	Total Cost \$
John Hopkins	Lighting Upgrade	3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,60 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,5 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,2 x locked area not audited,7 x no retrofit 1L T12 fixture,7 x no retrofit 2L T12 fixture,2 x no retrofit existing 1 lamp 8' T12 HO,1 x no retrofit existing 175 watt mercury vapor fixture,1 x no retrofit existing 175 watt metal halide fixture,4 x no retrofit existing 250 watt mercury vapor fixture,2 x no retrofit existing 2Lamp F32/T8,2 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
John Hopkins HID	Lighting Upgrade	2 x no retrofit existing 100 watt mercury vapor fixture,1 x no retrofit existing 150 watt metal halide fixture,,1 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L low Power HE/unv ballast and polished aluminum reflector kit,2 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,4 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit, new lens,3 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Low Power HE/unv ballast and centering kit,3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,35 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps	
Lexington Market OCC	Lighting Upgrade	1 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L low Power HE/unv ballast and polished aluminum reflector kit,2 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,4 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit, new lens,3 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Low Power HE/unv ballast and centering kit,3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,35 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps, new lens,31 x Retrofit 3L fixture w/ (1) 3L Low Power HE universal voltage electronic ballast and (3)F32T8 lamps,8 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,16 x Delamp 2x2 fixture to (3) F17/T8 lamps w/ (1) 3L Normal Power HE/unv ballast and polist	
	Lighting Upgrade	,,1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Low Power HE/unv ballast and centering kit,11 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,79 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Delamp 2x2 fixture to (3) F17/T8 lamps w/ (1) 3L Normal Power HE/unv ballast and polished aluminum reflector kit,1 x no retrofit existing 1Lamp F32/T8,17 x no retrofit existing 26w compact fluorescent fixture,6 x no retrofit existing 2Lamp F32/T8,1 x no retrofit existing 320 pulse start watt metal halide fixture,2 x no retrofit existing 8Lamp T8	
Lexington Market Station	Lighting Upgrade	1 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Low Power HE/unv ballast and centering kit,11 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,79 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Delamp 2x2 fixture to (3) F17/T8 lamps w/ (1) 3L Normal Power HE/unv ballast and polished aluminum reflector kit,1 x no retrofit existing 1Lamp F32/T8,17 x no retrofit existing 26w compact fluorescent fixture,6 x no retrofit existing 2Lamp F32/T8,1 x no retrofit existing 320 pulse start watt metal halide fixture,2 x no retrofit existing 8Lamp T8,16 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
Lexington Market Station HID	Lighting Upgrade	,,8 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,,7 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L low Power HE/unv ballast and polished aluminum reflector kit,3 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,2 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,5 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum or white reflector kit,7 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Low Power HE/unv ballast and polished aluminum o white reflector kit	
McDonough Road Substation	Lighting Upgrade	8 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps	
Metro Rail Operation	Lighting Upgrade	7 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L low Power HE/unv ballast and polished aluminum reflector kit,3 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,2 x Delamp fixture to (2)F17/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum or white reflector kit,5 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum or white reflector kit,3 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum or white reflector kit,1 x Delamp fixture to (4)F32/T8 lamps w/ (1) 4L High Power HE/unv ballast and polished aluminum reflector kit,1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F25T8 lamp,2 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,2 x Retrofit 2L fixture w/ (1) 2L High Power HE universal voltage electronic ballast and (2)F32T8 lamps,2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal vol	
Milford Mill Station	Lighting Upgrade	1 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,23 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps	
Milford Mill Station HID	Lighting Upgrade	,,1 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,89 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,5 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x fixture not included in audit, no watt or cost value,2 x no retrofit 1L T12 fixture,2 x no retrofit 2L T12 fixture,1 x no retrofit existing 250 watt mercury vapor fixture,2 x no retrofit existing 2Lamp F32/T8	

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**SUMMARY OF ALL COST ITEMS
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Building	Energy Conservation Measures	Equipment	Total Cost \$
Mondawmin Station	Lighting Upgrade	1 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,89 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,5 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x fixture not included in audit, no watt or cost value,2 x no retrofit 1L T12 fixture,2 x no retrofit 2L T12 fixture,1 x no retrofit existing 250 watt mercury vapor fixture,2 x no retrofit existing 2Lamp F32/T8,1 x Replace existing double face exit sign w/ new LED DF sign, red or green, battery back-up,8 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast ,	
Mondawmin Station HID	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,3 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast .	
MTA Metro Portal	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,3 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
Old Court Metro Maint. Fac.	Lighting Upgrade	2 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L Normal Power HE/unv ballast and polished aluminum reflector kit,2 x Delamp fixture to (2)F32/T8 lamps w/ (1) 2L High Power HE/unv ballast and centering kit,5 x Delamp fixture to (4)F32/T8 lamps w/ (1) 4L High Power HE/unv ballast and polished aluminum reflector kit,1 x Delamp fixture to (4)F32/T8 lamps w/ (1) 4L High Power HE/unv ballast and polished aluminum reflector kit; tube guards,6 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,30 x Retrofit 3L fixture w/ (1) 3L Low Power HE universal voltage electronic ballast and (3)F32T8 lamps,8 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,6 x Delamp 2x2 fixture to (3) F17/T8 lamps w/ (1) 3L Normal Power HE/unv ballast and polished aluminum reflector kit,4 x New 4 lamp F32/T8 8-foot vapor tight fixture w/High Power HE/unv ballast,	
Old Court Metro Station	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,8 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,2 x New 1 lamp F32/T8 wall fixture w/Low Power HE/unv ballast,1 x Replace existing lamp w/ new 23w compact fluorescent medium based screw-in lamp,7 x New 4 lamp F32/T8 8-foot vapor tight fixture w/High Power HE/unv ballast	
Old Court Mow Storage	Lighting Upgrade	7 x New 4 lamp F32/T8 8-foot vapor tight fixture w/High Power HE/unv ballast,1 x New 4 lamp F32/T8 high bay fixture HP ballast, Miro 4polished alum reflector, hanging feed, wire guard,8 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Replace existing double face exit sign w/ new LED DF sign, red or green, battery back-up	
Old Court Service Bldg.	Lighting Upgrade	8 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Replace existing double face exit sign w/ new LED DF sign, red or green, battery back-up,1 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast ,3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F25/T8 lamps,21 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,3 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x New 2 lamp F32/T8 vapor tight fixture w/Low Power HE/unv ballast	
Owings Mills Station	Lighting Upgrade	3 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,2 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F25/T8 lamps,21 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,3 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x New 2 lamp F32/T8 vapor tight fixture w/Low Power HE/unv ballast,,1 x Replace existing double face exit sign w/ new LED DF sign, red or green, battery back-up,1 x Replace existing lamp w/ new 23w compact fluorescent medium based screw in lamp	
Reistertown Plaza Station	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,14 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x new fixture replace existing w/ new 13w compact fluorescent wall mount jelly jar fixture,1 x Replace existing double face exit sign w/ new LED DF sign, red or green, battery back-up, x Tandem wire (2) 1-lamp fixtures w/ F32T8 lamps and (1) 2L Low Power HE/unv ballast	
Rogers Avenue Station	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,,,,	
Shot Tower	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F25T8 lamp,48 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps, tube guards,1 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,2 x 200watt metal halide pulse start kit multitap,3 x New 2 lamp F32/T8 wrap fixture w/Normal Power HE/unv ballast,1 x Replace existing lamp w/ new 13w compact fluorescent medium based screw-in lamp,3 x Replace existing lamp w/ new 23w compact fluorescent medium based screw-in lamp,1 x Tandem wire (2) 1-lamp fixtures w/ F32T8 lamps and (1) 2L Low Power HE/unv ballast ,1 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
State Center Station	Lighting Upgrade	28 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,31 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,4 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
Upton Station	Lighting Upgrade	42 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,28 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,1 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x Tandem wire (2) 1-lamp fixtures w/ F32T8 lamps and (1) 2L Low Power HE/unv ballast ,5 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
Wabash - System Maint. Building	Lighting Upgrade	1 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L High Power HE/unv ballast and polished aluminum reflector kit,2 x Delamp 2x2 fixture to (2)F17/T8 lamps w/ (1) 2L low Power HE/unv ballast and polished aluminum reflector kit,4 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps,8 x Retrofit 3L fixture w/ (1) 3L Low Power HE universal voltage electronic ballast and (3)F32T8 lamps,1 x Retrofit 4L fixture w/ (1) 4L Low Power HE universal voltage electronic ballast and (4)F32T8 lamps,1 x New 4 lamp F32/T8 8-foot vapor tight fixture w/High Power HE/unv ballast,1 x New 6 lamp T8 32 watt wide body vapor tight wash bay fixture High Power Ballast, 4' or 8' body as needed, Miro 4 reflector, clear acrylic lens, 2 point mounting,1 x Replace existing lamp w/ new 23w compact fluorescent medium based screw-in lamp,1 x Tandem wire (2) 2-lamp fixtures w/ F32T8 lamps and (1) 4L Low Power HE/unv ballast	
West Cold Spring Station	Lighting Upgrade	1 x Retrofit 1L fixture w/ (1) 1L Low Power HE universal voltage electronic ballast and (1)F32T8 lamp,1 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F25/T8 lamps,10 x Retrofit 2L fixture w/ (1) 2L Low Power HE universal voltage electronic ballast and (2)F32T8 lamps	
METRO FACILITIES			\$376,251
Washington Blvd Bus Facility	Lighting Controls	10 x ceiling sensor with one powerpack, 58 x ceiling sensor with two powerpacks, 4 x line voltage sensor for fixture: attached or field installed, 83 x line voltage sensor for fixture: attached at factory - sensor and labor built into fixture cost, 18 x line voltage occupancy sensor & photocell for fixture: attached at factory - sensor and labor built into fixture cost, 116 x wall sensor	\$40,147

Maryland Transit Administration EPC PROJECT

**SUMMARY OF ALL COST ITEMS
ENERGY PERFORMANCE CONTRACT
DGS PROJECT #**

Building	Energy Conservation Measures	Equipment	Total Cost \$
Northwest Bus Facility	Lighting Controls	6 x ceiling sensor with two powerpacks, 3 x wall sensor	\$2,833
North Avenue Maintenance	Lighting Controls	2 x ceiling sensor with one powerpack, 37 x ceiling sensor with two powerpacks, 120 x line voltage sensor for fixture: attached or field installed, 1 x wireless ceiling sensor and wall switch control, 7 x wall sensor	\$33,917
Cromwell Maintenance	Lighting Controls	6 x ceiling sensor with one powerpack, 10 x ceiling sensor with two powerpacks, 49 x line voltage sensor for fixture: attached or field installed, 7 x wall sensor	\$13,540
Wabash Maintenance	Lighting Controls	6 x ceiling sensor with one powerpack, 2 x ceiling sensor with two powerpacks, 21 x wall sensor	\$4,970
Old Court Maintenance	Lighting Controls	2 x ceiling sensor with one powerpack, 3 x ceiling sensor with two powerpacks, 20 x wall sensor	\$3,972
Metro Stations	Lighting Controls	5 x ceiling sensor with two powerpacks, 42 x wall sensor	\$6,525
Frederick Fueling Facility	Lighting Controls	1 x ceiling sensor with two powerpacks, 7 x wall sensor	\$1,051
Washington Blvd Bus Facility	Daylight Harvesting	3 x daylight control with photocell and powerpack, 26 x line voltage photocell for fixture: attached at factory - sensor and labor built into fixture cost, 17 x line voltage occupancy sensor & photocell for fixture: attached at factory - sensor and labor built into fixture cost	\$1,256
Northwest Bus Facility	Photovoltaic Array	Roof Mounted Array with ballasted Racking system and 2392 Solar Panels	\$2,228,382

SubTotal \$4,198,283

Construction Management			\$263,960
Pepco Energy Contingency			\$209,914
Commissioning		Included in Project Cost	
Bonding/Insurance			\$37,213
Design Engineering/PM			\$107,240
Training		Included in Project Cost	
Two Year Warranty		Included in Project Cost	
M & V Installation			\$32,600
G&A & Profit			\$1,242,302
Phase 1 Audit			\$120,000
		Project Subtotal	\$6,211,512
		Rebates and Grants	\$771,300
		Master Lease Funding	\$5,440,212