

MARYLAND STATE TREASURER'S OFFICE

**Louis L. Goldstein Treasury Building
80 Calvert Street, Room 109
Annapolis, Maryland 21401**

**QUESTION AND ANSWER
FOR
IFB FOR SEPTEMBER 2018 ENERGY PERFORMANCE CONTRACT
LEASE-PURCHASE FINANCING, IFB #ENERGY-07262018**

August 9, 2018

Q-1. Please provide: 1) an equipment cost breakdown and 2) a breakdown of cost by facility.

A-1. See attached Exhibit 1 that provides the total cost per project.

Exhibit 1

Cumberland Correctional Complex

**SUMMARY OF ALL COST
ITEMS
ENERGY PERFORMANCE
CONTRACT
PROJECT # KNA-000-160-EP1**

Energy Conservation Measures	Total Cost \$	Building	Equipment
Indoor/Outdoor Lighting Improvements	\$3,586,940	Cumberland Correctional Complex	12,065 new fixtures, 1,296 lamps, 1,103 LED strips, and 159 controls. Please see Lighting Room by Room & Bill of Material tabs for more details.
Lighting Inverters	\$601,922	WCI - Housing Unit 1	10 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
		WCI - Housing Unit 2	10 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
		WCI - Housing Unit 3	10 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
		WCI - Housing Unit 4	8 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
		WCI - Housing Unit 5	10 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
		NBCI - Housing Unit 1	8 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
		NBCI - Housing Unit 2	8 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
		NBCI - Housing Unit 3	8 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
		NBCI - Housing Unit 4	8 kVA, 480/277 voltage, 3 phase, 12 – 20A breakers, inverter and battery cabinet enclosure
Water Conservation - I-CON Controls	\$1,800,639	Cumberland Correctional Complex	2,044 toilet flush valves, 2 urinal flush valves, 581 controllers, 242 showerheads, 50 faucet aerators. Please see Water Room by Room & Bill of Material tabs for more details.

HVAC Controls	\$1,399,167	WCI - Admin	(1) Distech EC-BOS-8 Supervisory Controller, (2) Distech Field Controllers, (18) BACnet Thermostats, Enclosures, Damper Actuators, Sensors and Valves
		Construction Office	(3) Non-Communicating Programmable Thermostats
		WCI Gatehouse	(1) Distech EC-BOS-8 Supervisory Controller, (3) Distech Field Controllers, (6) BACnet Thermostats, Enclosures, Damper Actuators, Sensors, and Valves
		WCI - Maintenance Laundry	(1) Dell Server Workstation, (1) UPS, (1) Laser Printer, (1) Distech EC-BOS-8 Supervisory Controller, (11) Field Controllers, (1) Gas Detection System, Damper Actuators, Sensors and Valves
		WCI - Furniture Shop	(1) Distech EC-BOS-8 Supervisory Controller, Enclosure
		WCI - Gym-Multiroom	(1) Distech Supervisory Controller, (12) Field Controllers, (18) BACnet Thermostats, Enclosures, Damper Actuators, Sensors and Valves
		WCI - Support Services	(1) Distech Supervisory Controller, (54) Field Controllers, Enclosures, Damper Actuators, Sensors and Valves
		WCI - Voc Ed.	(1) Distech EC-BOS-8 Supervisory Controller, Enclosure
		NBCI - SSB	(1) Distech Supervisory Controller, (107) Field Controllers, (22) BACnet Thermostats, Damper Actuators, Sensors and Devices
HVAC Improvements	\$574,597	WCI - SSB	1 - 80 ton Carrier airhandling unit (AHU) and condensing unit, 1 - 40 ton Carrier airhandling unit (AHU) and condensing unit
		NBCI - SSB	4 - 10 hp pumps w/ variable frequency drives (VFDs)
Kitchen Improvements	\$147,403	WCI - SSB	3 - motors for three exhaust fans, one 10hp and two 7.5hp motors, 1 - 30hp motor for makeup air unit, 4 - VFDs in NEMA 3R enclosure in place of disconnect for exhaust fans and makeup air unit, furnish and install temperature and optic sensors in two hoods.

		NBCI - SSB	2 - motors for two exhaust fans, and one 7.5hp and one 5hp motor, 1 - 30hp motor for makeup air unit, 3 - VFDs in NEMA 3R enclosure in place of disconnect for exhaust fans and makeup air unit, furnish and install temperature and optic sensors in two hoods.
	\$8,040	WCI - SSB	100 linear feet of insulation and 18 elbows and fittings
		WCI - Housing Unit 1	12 linear feet of insulation and 6 elbows and fittings
		WCI - Housing Unit 2	24 linear feet of insulation and 15 elbows and fittings
		WCI - Housing Unit 3	10 linear feet of insulation and 7 elbows and fittings
		WCI - Housing Unit 4	53 linear feet of insulation and 8 elbows and fittings
		WCI - Housing Unit 5	27 linear feet of insulation and 11 elbows and fittings
		WCI - Gym-Multiroom	8 linear feet of insulation and 6 elbows and fittings