



## Board Report

File #: 2018-0069, File Type: Contract

Agenda Number: 29.

### OPERATIONS, SAFETY AND CUSTOMER EXPERIENCE COMMITTEE JULY 19, 2018

**SUBJECT: METRO RED LINE UNINTERRUPTIBLE POWER  
SUPPLY (UPS)**

**ACTION: AWARD CONTRACT**

#### **RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to award a 60-month, indefinite delivery indefinite quantity Contract No. OP36847000 to Tristar Power Solutions LLC, the lowest responsive and responsible bidder for Metro Red Line (MRL) Uninterruptible Power Supplies for a total not to exceed amount of \$1,004,000 inclusive of sales tax and subject to resolution of protest(s), if any.

#### **ISSUE**

This procurement replaces old defective, unreliable Uninterruptible Power Supply (UPS) units on Metro Red Line (MRL) Segments 2 and 3 that have reached the end of their useful service life. The performance of these UPS's has become unreliable as these units are more than 18 years old. The Original Equipment Manufacturer has stopped providing spare parts to support maintenance of the obsolete units.

#### **DISCUSSION**

Three stations of MRL Segment 2 opened in 1996 and the other five stations were completed in 1999 while Segment 3 opened in 2000. In total, the Metro Red Line rail service has sixteen passenger stations and two (2) facilities underground. These two segments have twenty-five (25) Uninterruptible Power Supplies (UPS) in service requiring replacement. The operation of these UPS's is for critical Fire and Life Safety functions.

The UPS equipment must be available to provide Emergency Power for lighting and Communication Systems to support evacuation of patrons and employees when normal utility power to the underground passenger stations and facilities is lost. In addition, these UPS's provide back-up to Metro's underground fire alarm system.

The Diversity and Economic Opportunity Department (DEOD) did not recommend a Small Business Enterprise (SBE)/Disabled Veteran Business Enterprise (DVBE) goal for this solicitation. The prime would provide replacement of Uninterruptible Power Supply (UPS) parts, and ship to Metro. Metro

will be responsible for installation.

### **DETERMINATION OF SAFETY IMPACT**

The UPS is required for the proper functioning of critical emergency lighting for tunnels and passenger station evacuations. UPS's provide electrical power to operate Police and Metro radio and communication systems, Variable Message Signs and Supervisory Control and Data Acquisition systems (SCADA). UPS's are required for the control power to operate substation High Voltage Switchgears.

### **FINANCIAL IMPACT**

The total five year contract amount is \$1,004,000. FY18 funding of \$266,600 is included in cost center 3960, Traction Power under project 205106, MRL UPS/Battery Replacement. FY19 funding is \$833,000. The Life-of-Project Budget for CP 205106 is \$3,684,000 and inception-to-date there is \$13,019 in expenditures charged against this project.

Since this is a multi-year contract, the Senior Executive Officer, Maintenance and Engineering and cost center manager will ensure that the balance of funds are budgeted in future Fiscal Years.

#### Impact to Budget

The current source of funds for this procurement is Proposition C 40% Discretionary. This funding source maximizes the allowable fund use given approved funding provisions.

### **ALTERNATIVES CONSIDERED**

There are no suitable energy sources for the replacement of emergency UPS's to operate the critical emergency loads.

### **NEXT STEPS**

Upon Board approval, staff will execute Contract No. OP36847000 to Tristar Power Solutions LLC to provide Metro Red Line Uninterruptible Power Supplies, develop a schedule for the replacement of the UPS units at a rate of one unit every two (2) months, and select and form a construction crew dedicated to plan the replacement of the old defective unit with minimum or no disruption to critical system it supplies.

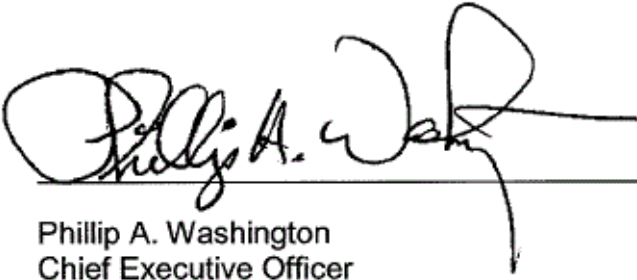
### **ATTACHMENTS**

Attachment A - Expenditure Plan  
Attachment B - Procurement Summary  
Attachment C - DEOD Summary

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