



## Legislation Details (With Text)

**File #:** 2018-601      **Version:** 1      **Name:**  
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**File created:** 1/31/2018      **In control:** Board of Directors Workshop Meeting  
**On agenda:** 2/14/2018      **Final action:** 2/14/2018  
**Title:** GLWA-CON-167  
Low Voltage Wiring  
**Sponsors:** Jeffrey Small  
**Indexes:** Information Technology  
**Code sections:**  
**Attachments:** 1. 2018-601 GLWA-CON-167 Checklist.pdf

Date	Ver.	Action By	Action	Result
2/14/2018	1	Board of Directors Workshop Meeting	Approved	Pass

### GLWA-CON-167

#### Low Voltage Wiring

Agenda of: February 14, 2018

Item No.: **2018-601**

**TO:** The Honorable  
Board of Directors  
Great Lakes Water Authority

**FROM:** Sue F. McCormick  
Chief Executive Officer  
Great Lakes Water Authority

**DATE:** January 31, 2018

**RE:** **Proposed Change Order No. 1 GLWA Contract No. GLWA-CON-167**  
***"Low Voltage Wiring"***  
**Vendor: DES Electric LLC d/b/a DES Services**

### MOTION

Upon recommendation of Jeffrey Small, Chief Information Officer (CIO), the Board of Directors (Board) of the Great Lakes Water Authority (GLWA), authorizes the Chief Executive Officer (CEO) to enter into Change Order No. 1 for **Contract No. CON-167, "Low Voltage Wiring" with DES Electric LLC d/b/a DES Services (Contractor) at a cost not-to-exceed \$550,000.00** for a duration of seven (7) months, and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

## **BACKGROUND**

DES Electric LLC d/b/a DES Services has provided low voltage wiring services to GLWA under contract GLWA CON-167 since April 2017. Services include furnishing and installing low voltage wiring, including 110/220 volt wiring, telephone and data jack wiring, antenna connections, instrument wiring, network wiring, audio/video, paging systems and code call systems at GLWA facilities on an as needed basis. Construction is another constant element that requires the ongoing need for low voltage wiring services. This change order will provide stop gap services and the support needed to maintain the infrastructure until services can be bid out. Information Technology is actively working with Procurement to issue a bid for ongoing low voltage wiring services, to allow GLWA to examine purchasing options that allows for the selection of the most cost-effective supplier that best suits the organizations' needs for these services. The scope of services will include the following:

- Installation of low voltage power wiring and components
- Maintenance and repair of the telephone and data wiring systems
- Maintenance and repair of the Radio and Antenna systems
- Maintenance and repair of the Fiber Networks
- Maintenance of the Paging, PA, Code Call and speaker systems
- Maintenance and repair of the large UPS system
- Maintenance of the data network MDF and IDF equipment

DES Electric LLC d/b/a DES Services, was founded in 2013, is a privately held, minority-owned corporation headquartered in Detroit.

## **Project Costs**

### **Task Order - Cost Summary List 4/1/2017 - 9/30/2017**

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Task	Description	Scope	Cost
01	Department Wide - As-Needed Infrastructure Adds/Moves/Changes	Provide materials to install new station jack locations on based on personnel and office moves.	\$50,000
02	Department Wide - Upgrade to Category 6 Station Cabling	Installation Category 6 Ethernet station wiring for existing business network data stations	\$150,000
03	Department Wide - Installation of Wireless Access Points	Installation of wireless access points (AP) for GLWA facilities	\$100,000
04	Department Wide	Remote site Fiber Optic Cable Remediation for Security Network	\$100,000
05	Department Wide - Upgrade of UPS units at MDF and IDF locations (excluding Data Centers)	Install new UPS units for all GLWA Network IDF locations.	\$50,000
06	WRRF - ACC4 <u>Westfalia</u> Control Room	UPS Replacement	\$50,000
07	WRRF - ACC2 Secondary Clarifiers	VFD Network Cables to Ovation Network Cabinets in Control Houses	\$50,000
08	Department Wide	Install power meters for mains and pumps at pumping station(s) to provide power data such as voltage, current, power, energy, power factor, and frequency.	\$100,000
09	Department Wide	Replace approximately 10 B-RTU cabinets. Sites to include CSO, sewer meters, level sensor, precipitation gauge, pressure, and valve remote.	\$100,000
		<b>Total</b>	<b>\$750,000</b>

**Task Order - Cost Summary List**  
**10/1/2017 - 4/30/2018**

Task	Description	Scope	Cost
01	Department Wide - As-Needed Infrastructure Adds/Moves/Changes	Furnish and install <u>110/220 volt</u> low voltage wiring services at GLWA facilities on an as needed basis	\$550,000
		<b>Total</b>	<b>\$550,000</b>

Original Contract Price:	750,000.00
Proposed Change Order No. 1:	550,000.00
<b>Proposed Total Contract Price:</b>	<b>\$1,300,000.00</b>

**Project Management Status**

A. Start Work Date	April 1, 2017
B. Original Final Completion Date:	September 30, 2017
C. Revised Final Completion Date (Change Order No. 1)	April 30, 2018

### **JUSTIFICATION**

Contract Change Order One (1) to GLWA-CON-167 will allow Great Lakes Water Authority (GLWA) to retain highly specialized technical resources necessary to implement and support various ongoing and future information systems projects. Low voltage wiring work consists of installing and maintaining GLWA's low voltage wiring systems including 110/220V power, audio/video, telephone indoor wiring and outside cable, data connections, antenna connections, instrument wiring, network wiring, fiber networks, paging systems and code call system under the direction of GLWA's Information Technology Group. This includes system configuration and material procurement in support of the activities required completing each task. The growing demand for audio/video, computers/data lines, and telephones poses an increased challenge to the low voltage wiring infrastructure. To the extent possible, the work performed by contractual resources will transition to technical staff hired by GLWA. Change Order One (1) extends the contract timeline from September 30, 2017 to April 30, 2018 and adds \$550,000.00 to GLWA-CON-167, bringing the contract total to \$1,300,000.00.

### **BUDGET IMPACT**

The Low Voltage Wiring Contract is budgeted in cost center 883331 - Information Technology Infrastructure under GL String 5910-883331.000-901050-WS7900. In FY 2018, the \$1,300,000.00 is budgeted to cover the initial contract amount of \$750,000.00 and the additional contract change order amount of \$550,000.00.

### **COMMITTEE REVIEW**

This matter is being presented directly to the full Board.

### **SHARED SERVICES IMPACT**

This item does not impact the shared services agreement element.