



# Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street  
Chicago, IL 60611

## Legislation Details (With Text)

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**On agenda:** 10/4/2018      **Final action:** 10/4/2018

**Title:** Issue purchase order to Trojan Technologies, Inc., to Furnish and Deliver Nine Hundred Power Cables for the Ultraviolet Lamps at the O'Brien Water Reclamation Plant, in an amount not to exceed \$154,000.00, Account 101-67000-623070, Requisition 1503596

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:**

Date	Ver.	Action By	Action	Result
10/4/2018	1	Board of Commissioners	Approved	Pass
10/4/2018	1	Committee of the Whole	Recommended	Pass

### TRANSMITTAL LETTER FOR BOARD MEETING OF OCTOBER 4, 2018

#### COMMITTEE ON PROCUREMENT

Mr. John Murray, Acting Executive Director

Issue purchase order to Trojan Technologies, Inc., to Furnish and Deliver Nine Hundred Power Cables for the Ultraviolet Lamps at the O'Brien Water Reclamation Plant, in an amount not to exceed \$154,000.00, Account 101-67000-623070, Requisition 1503596

Dear Sir:

Authorization is requested to issue a purchase order to Trojan Technologies, Inc. to Furnish and Deliver Nine Hundred Power Cables for the Ultraviolet (UV) Lamps at the O'Brien Water Reclamation Plant (OWRP). All parts will be delivered by January 15, 2019.

Trojan Technologies, Inc., the manufacturer and sole source distributor of the ultraviolet disinfection system components, has submitted a price to furnish and deliver nine hundred lamp cable assemblies with LED for the UV lamps in the UV room of the UV Building at the OWRP. Inasmuch as Trojan Technologies, Inc., is the only source of supply for the ultraviolet disinfection system components, said purchase order may be issued without competitive bidding pursuant to Section 11.4 of the Purchasing Act.

The UV lamps are currently powered by the cables which were installed in January 2016. In July, 2018, the District identified four cables within the Channel No.7 pull box which had degraded to the point of exposed conductors. At that time Trojan Technologies, Inc. provided new power cables for replacement at no cost to the District. Further visual and infrared inspection uncovered numerous degraded cables in other locations. In August, 2018, Trojan Technologies, Inc. inspected the condition of the power cables in all seven UV channels. It was determined that high temperatures in the cable trays were causing premature failure of the cables. Each UV channel has 128 power cables, communication and signal cables in 18"x 6" covered cable trays. To remedy the situation, reduce temperatures in the cable trays and to prevent future cable failures, the UV lamps

power cables need to be replaced and installed in 18"x6" uncovered (with grating only) cable trays. The remaining communication and signal cables need to be permanently removed from the cable trays and installed in a separate conduit to allow full utilization of the existing cable trays for the UV lamps power cables.

Trojan Technologies, Inc. has proposed to provide nine hundred new power cables and an extended 10-year warranty on the new lamp cable assemblies. Trojan has agreed to pay seventy-five percent of the cost of material; the District requests to pay \$154,000.00. All required removal and installation work shall be performed under a separate installation contract.

Trojan Technologies, Inc. is registered and in good standing with the State of Illinois.

The Multi-Project Labor Agreement is not applicable to this contract because it is primarily a furnish and deliver contract.

In view of the foregoing, it is requested that the Director of Procurement and Materials Management be authorized to issue said purchase order to Trojan Technologies, Inc. in an amount not to exceed \$154,000.00.

Funds are available in Account 101-67000-623070.

Requested, Catherine A. O'Connor, Director of Engineering, ECB, BB  
Recommended, Darlene A. LoCascio, Director of Procurement and Materials Management  
Respectfully Submitted, Barbara J. McGowan, Chairman Committee on Procurement  
Disposition of this agenda item will be documented in the official Regular Board Meeting Minutes of the Board of Commissioners for October 4, 2018