



# Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street  
Chicago, IL 60611

## Legislation Details (With Text)

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**Title:** Authority to advertise Contract 18-117-11 Furnish, Deliver and Install an Automated Biochemical Oxygen Demand System, estimated cost \$39,500.00, Account 101-16000-634970, Requisition 1496100

**Sponsors:**

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Date	Ver.	Action By	Action	Result
8/2/2018	1	Board of Commissioners	Approved	Pass
8/2/2018	1	Committee of the Whole	Recommended	Pass

### TRANSMITTAL LETTER FOR BOARD MEETING OF AUGUST 2, 2018

#### COMMITTEE ON PROCUREMENT

Mr. John P. Murray, Acting Executive Director

Authority to advertise Contract 18-117-11 Furnish, Deliver and Install an Automated Biochemical Oxygen Demand System, estimated cost \$39,500.00, Account 101-16000-634970, Requisition 1496100

Dear Sir:

Contract documents and specifications have been prepared to furnish, deliver and install an automated Biochemical Oxygen Demand (BOD) system. This contract begins approximately September 20, 2018 through November 30, 2018.

The purpose of this contract is to furnish, deliver and install an automated BOD system to provide analyses of wastewater samples utilizing Standard Methods Method 5210B. The BOD analyses are required for National Pollutant Discharge Elimination System permit compliance monitoring and the monitoring of treatment plant operations and research projects for the Analytical Laboratories Division, Egan Analytical Laboratory (EAL).

The system will be used to automate the measurement and data management of the initial and final dissolved oxygen (DO) concentrations in the BOD samples analyzed by the EAL. The system consists of an autosampler, which uses a pair of DO probes to determine the DO concentrations in the samples and a personal computer (PC) to control the sampler, store data and interface with the EAL's Laboratory Information Management System (LIMS). The PC will be able to download a list of samples from the LIMS, populate the list with the DO concentrations for each sample on the list and then upload the results into LIMS to calculate the BOD results.

The system will aid laboratory operations by automating the initial and final DO measurements, which will free

an analyst from manually moving a single probe to each bottle so that the analyst can perform other duties while the system performs the DO measurements independently. The LIMS interface will eliminate transcription errors and save time by eliminating any manual data manipulation. The system will improve accuracy and precision of the BOD analysis by treating all samples the same during DO determinations and recalibrating the probes after a user selectable number of readings.

The estimated cost for this contract is \$39,500.00.

A bid deposit is not required for this contract.

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

The Affirmative Action Ordinance, Revised Appendix D is not included in this contract because it is primarily a furnish and deliver contract.

The tentative schedule for this contract is as follows:

Advertise	August 15, 2018
Bid Opening	August 28, 2018
Award	September 20, 2018
Completion	November 30, 2018

Funds are available in Account 101-16000-634970.

In view of the foregoing, it is recommended that the Director of Procurement and Materials Management be authorized to advertise Contract 18-117-11.

Requested, Edward W. Podczerwinski, Director of Monitoring and Research, EWP:KB:DC:JC:cls  
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 August 2, 2018