



## Legislation Text

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**File #:** ID 15-0141, **Version:** 1

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Resolution Authorizing the Purchase in the Amount of \$5,766,728 of an Aqua-Aerobic Systems, Inc. Diamond Cloth Filter System for the T.Z. Osborne Water Reclamation Facility

Department: Water Resources  
Council District: 2

Public Hearing: N/A  
Advertising Date/By: N/A

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### **PURPOSE:**

Water Resources requests approval to sole source the purchase of a diamond cloth filter system for secondary clarifier effluent filtration from Aqua-Aerobic Systems, Inc. located in Loves Park, Illinois. City Council approval is required to sole source a purchase under State Public Contracting Statute GS 143-129 (e)(6) which allows exceptions to the letting of public contracts for the purchase of apparatus, supplies, materials or equipment when standardization or compatibility is the overriding consideration. In this particular case the sole source option was chosen because the six existing travelling bridge filters can be readily retrofitted with the diamond cloth filter system in order to re-use the existing filter basin structure and standardize treatment plant tertiary filtration with high-rate filtration technology.

### **BACKGROUND:**

The six travelling bridge filters were installed in 1998 to provide tertiary treatment of plant effluent by removing suspended solids and associated organics and nutrients from secondary effluent. In order to support the hydraulic expansion of the plant from 40 million gallons per day (MGD) to 56 MGD and to help meet current and future total phosphorus discharge limits, through the removal of total suspended solids, upgrades to the existing effluent filtration system are needed.

As part of the preliminary design phase, three filter alternatives were evaluated by the Water Resources Department and the diamond cloth filter system manufactured by Aqua-Aerobic Systems provides the lowest cost alternative that meets the effluent treatment design criteria.

The City has received a quote for the diamond cloth filter system from Aqua-Aerobic Systems, Inc. in the amount of \$5,766,728. The City's design engineer has reviewed the quote to ensure the quoted system meets the required design and performance specifications, and is quoted at a fair and reasonable cost.

### **BUDGET IMPACT:**

Funds are budgeted in the following Water Resources Capital Improvements Fund account: 515-7056-04.6019. A budget adjustment is needed to use this account.

**RECOMMENDATION / ACTION REQUESTED:**

The Water Resources Department recommends and requests that City Council approve the sole source purchase of a diamond cloth filter system from Aqua-Aerobic Systems, Inc. in the amount of \$5,766,728 and the associated budget adjustment.