

# Memorandum

## Public Works Department



**To:** City Manager  
**Subject:** Wastewater Treatment Plants Phosphorus Removal Feasibility Study/Optimization Plans, Consulting Services  
**Date:** June 28, 2022  
**Number:** 2022-111

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The Public Works Department issued a request for qualifications regarding assistance in performing a Phosphorus Removal Feasibility Study and creating a Phosphorus Removal Optimization Plan for each of the City's two wastewater treatment plants as required by the plants' NPDES permits.

The RFQ was sent on May 5, 2022, published in the Rock Island Argus on May 10 and May 11, 2022, and posted on the city website. Responses were due to the Public Works Department no later than the close of business June 3, 2022.

The City of Rock Island received statements of qualifications from Baxter & Woodman, CDM Smith, Inc., Stanley Consultants, Inc., and Strand Associates.

The top three firms are ranked in the order shown by the Consultant Selection Committee: CDM Smith, Inc., Strand Associates, and Stanley Consultants.

CDM Smith, Inc. has collected capacity, maintenance, and operational data for coordination to the city's sanitary CMOM program and IEPA/EPA NPDES permit and is currently working with City staff to develop a maintenance plan for the Mill Street Plant anaerobic digester. Since the anaerobic digester maintenance plan and the phosphorus removal study/optimization plan are mutually dependent, CDM Smith's system knowledge with their documented experience provided to other municipalities on digesters and phosphorus removal will bring schedule, cost, and project efficiencies to the work. Their firm was determined to be the best qualified to provide services for performing the phosphorus feasibility studies and developing the phosphorus removal optimization plans for the two wastewater plants.

### **Recommendation**

It is recommended that the City Council authorize city staff to negotiate a contract with CDM Smith, Inc., Chicago, Illinois for engineering services for the Wastewater Treatment Plants Phosphorus Removal Feasibility Study/Optimization Plans.

**Submitted by:** Michael T. Bartels, Public Works Director  
Jason Upton, Utilities Superintendent  
Lisa Perry, Wastewater Treatment Plant Supervisor

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**Approved by:** Todd Thompson, City Manager