

City of Minneapolis
Request for Committee Action

To: Transportation & Public Works
Date: 7/12/2016
Referral: Ways & Means
From: Public Works Department
Prepared by: Glen Gerads, Director, Water Treatment and Distribution
Presented by: Glen Gerads, Director, Water Treatment and Distribution
File type: Resolution
Subcategory: Bond

Subject:

Fridley Filter Plant Rehabilitation Project: Capital approval and bid

Description:

1. Passage of a Resolution approving early the entire Fridley Filter Plant Rehabilitation Project (WTR24) for 2017 to 2019 and increasing the capital appropriation by \$44,500,000 to allow for acceptance of the low bid from Rice Lake Construction Group in the amount of \$41,628,500.
2. Passage of Resolution requesting the Board of Estimate and Taxation authorize the City's issuance and sale of tax exempt bonds in the amount of \$43,000,000 for the Fridley Filter Plant Rehabilitation Project.
3. Passage of Resolution declaring intent to reimburse project costs by incurring tax exempt debt.
4. Accepting low bid of Rice Lake Construction Group (OP No. 8270) in the amount of \$41,628,500 to furnish and deliver all labor, materials, and incidentals necessary for the Fridley Filter Plant Rehabilitation Project for the Public Works Water Treatment and Distribution Division, and authorizing a contract for the project.

Previous Actions:

January 15, 2016 - Council accepted the low bid of Landmark Structures I, L.P. to construct a Backwash Supply Tank for the Fridley Filter Plant.

December 12, 2014 - Amendment 1 to Engineering Services Agreement with CDM Smith for Fridley Filtration Plant Rehabilitation.

December 13, 2013 - Council authorized development of an engineering services agreement with CDM Smith for \$965,000 for Preliminary Design phase services for the Rehabilitation of Fridley Filtration Plant.

July 19, 2013 – Council authorizes a Request for Proposal (RFP) for design and construction administration services for the Fridley Filtration Plant Rehabilitation project, which will enhance taste and odor control.

December 11, 2013 – Council adoption of 2014 Capital Budget, including \$4,000,000 for WTR24 Fridley Filter Plant Rehabilitation.

December 12, 2012 – Council adoption of 2013 Capital Budget, including \$2,700,000 for WTR24 Fridley Filter Plant Rehabilitation.

December 14, 2011 – Council adoption of 2012 Capital Budget, including \$100,000 for WTR24 Fridley Filter Plant Rehabilitation.

Ward/Neighborhood/Address:

Not Applicable

Background/Analysis:

The City constructed the Fridley Filtration Plant (FFP) in two phases during the 1920s to increase the filtration capacity of its potable water system. The plant was operated until the late 1960's when the 10 north filters were rebuilt. Several years later, the 10 south filters were rebuilt. During those reconstruction projects, some equipment necessary for filter operation was replaced, including under-drain systems, filter media, and some of the control valves. Much of the original water piping, backwash supply system, and valves remain in service today. Minneapolis is now facing multiple issues that warrant rehabilitating the filters.

The City conducted (or commissioned) multiple investigations between 2010 and 2012 to evaluate the existing filter media and underdrain conditions, assess long-term water quality goals (in particular with respect to taste and odor control), evaluate technologies to meet those goals, and evaluate operational redundancies needed to meet the desired level of service.

The results of the evaluations and studies identified the major elements for rehabilitation of the plant. This project is in the 5-year capital program to ensure reliability and functionality of FFP for the foreseeable future. The program will extend the life of the existing system, improve filtered water quality and improve system reliability. The majority of the project includes renovating existing process systems and constructing new buried water treatment tanks and pipes.

City policy related to Leadership in Energy and Environmental Design (LEED) does not apply to this project. The building area constructed will be less than the 5,000 square feet criterion. The majority of the project is renovating existing process systems and constructing new buried water treatment tanks and pipes. The new building spaces in the project include an unoccupied (equipment) space of about 1,800 square feet, and a 300 square foot operator control room within the existing structure. Several components were included in the project that comply with LEED principles, but the overall scope does not allow achieving a Silver level of quality. Terms are net-30 days F.O.B.: Destination. This bid has been approved by the Civil Rights Department.

This request is for approval of the whole project in advance of the Council adoption of the 2017 Capital budget process including amounts for 2018 and 2019 in order to encumber the contract with Rice Lake Construction Group to deliver all labor, materials and incidentals necessary for the Fridley Filter Plan Rehabilitation project.

Financial Review:

Additional appropriation required.

Future budget impact anticipated.

Attachments:

1. Tabulation Sheet.

