

FOR BOARD ACTION

Agenda Item # 3

Meeting Date:

11/13/12

SUBJECT: 4th St SE Reservoir Replacement Site Selection

PREPARED BY: Doug Rovang, Senior Civil Engineer

ITEM DESCRIPTION

The Utility Board, at its October 30th meeting, directed staff to provide a recommendation at the next Board meeting as to the next action to take in response to the Board's consensus decision to select a 3.5 million gallon reservoir at the 4th Street and 10th Avenue SW location (Alternative G) to replace both the 1.5 million gallon reservoir at that location and the 4th Street SE Reservoir.

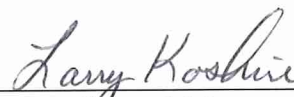
The 4th St SE Reservoir, a partially-buried concrete structure located in the Zumbro River floodplain, was constructed in 1916 and has reached the end of its service life. The 1.5 million gallon reservoir, a riveted steel tank, located on an area leased from Mayo Foundation through the year 2128 was constructed in 1930.

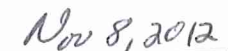
The proposed 3.5 million gallon reservoir would provide water storage capacity in the central main level service area as recommended by the 2008 study by Progressive Consulting Engineers in order to meet recommended water industry standards for consumer water supply and fire protection.

Staff recognizes operational benefits of having two discrete water storage facilities in this area, but has concluded that construction of a single larger storage facility at the 4th Street and 10th Avenue SW location (Alternative G) can adequately provide the needed storage function.

The next phase of the project scope leading to final reservoir design includes:

- 1) Evaluation of the scope of the proposed shortened reservoir down-time resulting from use of the existing 1.5 million gal reservoir site.
- 2) Firming up anticipated construction schedule.
- 3) Formalizing temporary construction site needs (temporary easements).
- 4) Need for variance from 50' setback requirement in Residential zoning district.
- 5) Need for approval of zoning design modification allowing reservoir height greater than 35' in Residential zoning district.


General Manager


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FOR CAPITAL PURCHASES/BIDS/MAJOR PROJECTS:

Cost of constructing the 3.5 million gallon reservoir (to include demolishing the existing 4th St SE Reservoir and the existing 1.5 million gallon reservoir at the proposed reservoir location) is currently estimated to be \$3.418 million dollars. Funding for this project alternative would come from Water Utility cash reserves (approximately \$2.0 million dollars) and the City's Water Availability Charge fund (approximately \$1.5 million dollars).

The Water Utility cash reserve fund has set aside \$2.125 million to fund the Water Utility share of the project cost.

UTILITY BOARD ACTION REQUESTED:

The Utility Board is requested to formalize the consensus reached at its October 30, 2012 meeting to select Alternative G, a 3.5 million gallon reservoir located at the intersection of 4th Street and 10th Avenue SW to replace both the 4th St. SE Reservoir and the 1.5 million gallon Saint Marys Reservoir.

The Utility Board directs staff to retain an engineering consultant and proceed with Phase 2 of the 4th Street SE Reservoir Replacement Project to include preliminary design services addressing construction site needs, and securing other necessary temporary and permanent property rights and zoning approvals for construction of the above-described Alternative G.

General Manager

Date



RESOLUTION

WHEREAS, in February, 2009, the Utility Board reviewed a 2008 study by Progressive Consulting Engineers which stated the City of Rochester municipal water system needed additional water storage in its central main level service area to meet recommended water industry standards for consumer water supply and fire protection (and also received a staff recommendation that the existing 4th Street SE reservoir constructed in 1916 had reached the end of its service life and needed to be replaced); and

WHEREAS, in January, 2011, the Utility Board designated funding for the future 4th Street Water Reservoir replacement project in the Water Utility Special Capital and Major Maintenance Reserve; and

WHEREAS, from January, 2012, to the present date, the Utility Board has considered a study by WHKS-TKDA Engineers which included various site alternatives for the replacement of the 4th Street SE Reservoir. The Board has also provided a number of opportunities for proposed project related public comment, as well as input from other City departments and other organizations including the Committee on Urban Design and Environment (CUDE), and the Rochester Downtown Alliance (RDA);

WHEREAS, the Utility Board recognizes its responsibility to assure the delivery of municipal water utility services at a level of quality and reliability that meets or exceeds water supply industry standards;

AND WHEREAS, at its October 30 meeting, the Utility Board selected by consensus Alternative G, a 3.5 million gallon reservoir located at the intersection of 4th Street and 10th Avenue SW to replace both the 4th Street SE Reservoir and the 1.5 million gallon Saint Marys Reservoir;

NOW, THEREFORE, BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to direct staff to retain an engineering consultant and proceed with Phase 2 of the 4th Street SE Reservoir Replacement Project to include design services addressing construction site needs and securing other necessary temporary and permanent property rights and zoning approvals for construction of Alternative G, a 3.5 million gallon reservoir at the existing leased 1.5 million gallon reservoir site located at the intersection of 4th Street and 10th Avenue SW.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 13th day of November, 2012.

President

Secretary