

**REVISED**

**FOR BOARD ACTION**

Agenda Item # 6

Meeting Date:

6/30/09

**SUBJECT:** Proposed Construction of 50<sup>th</sup> Ave NW Hydropillar Water Tower

**PREPARED BY:** Doug Rovang, Senior Civil Engineer

ITEM DESCRIPTION:

RPU staff reviewed the results of the Northwest High Level Area water system study and the engineering consultant's recommendations with the Utility Board at the 8/28/2008 Utility Board meeting.

One of the consultant's recommendations was for construction of a 2,000,000 gallon Hydropillar water tower near the intersection of 50<sup>th</sup> Ave and 41<sup>st</sup> St NW extended. Computer modeling results showed the proposed tower ". . . provides substantial benefits to the existing supply and storage system in delivering water to the Northwest High Level Area", and ". . . the 2,000,000 gallon alternative provides more hydraulic grade stability than the smaller storage option, an increase in system pressures during peak demand periods, and sizeable relief in the substantial drawdown in the North Park and Country Club Manor Towers". In addition, maintenance costs for the 2,000,000 gallon Hydropillar would be substantially less than the four 500,000 gallon towers it would replace. Based on 10 States Standards for Water Works, the Northwest High Level Area is currently deficient approximately 800,000 gallons of elevated storage.

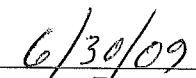
Design of the 2,000,000 gallon Hydropillar water tower is near completion, and City Public Works intends to request approval to bid the project at the 7/6/09 City Council meeting.

Funds for construction of the proposed water tower are currently available in the City's Water Availability Charge (WAC) Fund to pay for construction of the proposed water tower. The Water Utility share of this project cost (tower and adjacent 12" trunk water main) is estimated to be approximately \$168,000 which would be due late in 2010. Staff will review components of the project cost at the 6/30/09 meeting.

UTILITY BOARD ACTION REQUESTED:

Staff recommends the Utility Board express to the City Council its approval of the approximately \$168,000 Water Utility share of the project, and also its recommendation the City Council proceed with the taking of bids for the construction of the proposed 2,000,000 gallon 50<sup>th</sup> Ave NW Hydropillar water tower at this time. The justification for the project is based on the present and future need for the additional water storage capacity to be provided by the tower, the anticipated favorable construction costs during this period of economic downturn, and the approximately two year construction period required before the water tower can be placed in service.

  
General Manager

  
Date

**ROCHESTER PUBLIC UTILITIES**



## RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to request the City Council to proceed with the taking of bids for the construction of the proposed 2,000,000 gallon 50<sup>th</sup> Ave NW Hydropillar water tower.

BE IT FURTHER RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, that the Board approves the City Council assigning up to \$168,000 of the cost of the proposed 2,000,000 gallon 50<sup>th</sup> Ave NW Hydropillar water tower to the Water Utility.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 30th day of June, 2009.

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President

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Secretary