

Memo



Date: June 22, 2010
File: 1890-05
To: City Manager
From: General Manager, Community Services
Subject: Bartholomew Water System Upgrade Project

Recommendation:

THAT Council receive the report of the General Manager of Community Services regarding a \$397,000 project to upgrade water supply to Bartholomew Court and surrounding properties.

AND THAT Council approve funding of \$325,000 with \$275,000 from the MFA Debt Water Utility Reserve and \$50,000 from the Hydrant Reserve.

Purpose: To seek Council approval of funding to allow upgrading of the water system that services a number of existing properties on Crawford, Bartholomew Court and Dehart Road.

Background:

In 2005 the residents of 805, 855, 925, and 945 Crawford Road extended the City water system from Westpoint Drive to provide domestic residential water supply to their properties. The City participated at that time to oversize a portion of the line to allow a future connection to Bartholomew Court. This would allow the Water Utility to eliminate an aging, inadequate water booster station that services Bartholomew Court and provide improved reliability, pressures and fire flows to those homes. It would also result in cost savings to the Utility by eliminating the need to service this booster station.

The same property owners have recognized that they wish to have sufficient flows to allow agricultural production on their properties which they are entitled to through a 1972 agreement through the former Okanagan Mission Irrigation District which joined the City Water Utility in the mid 1990s. An engineering review of supply options was done previously. The review identified that to achieve adequate flows and pressures to meet their needs and achieve bylawed fire flows for Bartholomew that a connection to a higher pressure zone is required. The works involve installation of two pressure reducing stations and upgrading of a short section of line. It was also identified through the review that there is generally insufficient hydrants and fire flows to protect properties on Crawford Road in this area and on Dehart Road near Bartholomew Court. There is an opportunity to upgrade a valve on Crawford Road on the South East Kelowna Improvement District water line located there which will improve flows at an estimated cost of \$20,000. The remaining funds will be used to strategically place a number of additional fire hydrants in the area to provide improved protection for residences in the area.

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Funding for the works are cost shared on the basis of benefit to the City Water Utility and to these four properties. The residents are paying half the cost of one of the pressure reducing stations while the City Utility is covering the rest of the system improvements. The fire flow and hydrant improvements are funded through the Hydrant Reserve which is funded through collections from new small developments that do not trigger complete water system upgrades. This allows for minor improvements in existing areas of the City.

If approved the works would be done over the balance of this year and if necessary, before the start of the 2011 irrigation season.

Internal Circulation: Infrastructure Planning Director, Water Planning Technician, Utility Services Manager

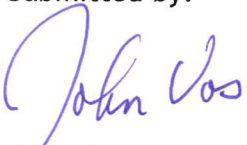
Financial/Budgetary Considerations: Funding for the project is from the reserves indicated.

Personnel Implications: Works are expected to be designed by consultant and installed by combination of internal and contract forces.

Considerations not applicable to this report:

External Agency/Public Comments:
Community & Media Relations Comments:
Legal/Statutory Authority:
Legal/Statutory Procedural Requirements:
Existing Policy
Alternate Recommendation:

Submitted by:



John Vos
General Manager - Community Services

cc: Infrastructure Planning Director, Director of Financial Services, Water Planning Technician