
FINANCE AND CIVIC DEVELOPMENT COMMITTEE

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

**SUBJECT: FIRE DISPATCH INFORMATION ON COMPUTERS IN THE FIRE
VEHICLES**

RECOMMENDATION:

1. THAT a bylaw for \$350,000 (inclusive of GST) be drawn to appropriate funds from the Capital Reserves to purchase computer hardware, software and consulting services.

REPORT

The Finance and Civic Development Committee, at its meeting held on 2010 January 28, received and adopted the *attached* report seeking Council's funding approval to install software to access and display information on the mobile workstations in the fire vehicles.

Respectfully submitted,

Councillor D. Johnston
Chair

Councillor N. Volkow
Vice Chair

Councillor C. Jordan
Member

Copied to:	City Manager Chief Information Officer Fire Chief Director Finance City Solicitor
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TO: FINANCE AND CIVIC DEVELOPMENT COMMITTEE **DATE:** 2010 January 14

FROM: CHIEF INFORMATION OFFICER **FILE:** IS-RTC
Reference: Fire CAD

SUBJECT: FIRE DISPATCH INFORMATION ON COMPUTERS IN THE FIRE VEHICLES

PURPOSE: To request funding to install software to access and display information on the mobile workstations in the fire vehicles.

RECOMMENDATION:

- 1. THAT a bylaw for \$350,000 (inclusive of GST) be drawn to appropriate funds from the Capital Reserves to purchase computer hardware, software and consulting services.**

REPORT

In 2006, the pre-incident planning system has captured information for most life risk buildings including hospitals, care homes, schools, City buildings, malls, etc. In 2007, E-Comm and the B.C. Ambulance Service have moved to the same Intergraph CAD platform as the City. The latest CAD software and equipment have being upgraded to correspond to the E-Comm CAD system version providing for seamless interoperability in the event of a major event requiring multi jurisdictional emergency responses. In 2009, the communications network to send the dispatch information over wireless technology has been chosen, Telus' cellular network. Also, the Records management system is being converted to FDM system that most other lower mainland fire departments are currently using. Now that the CAD base system has been implemented and been operational for a few years, the next operation improvement will be utilization of remote access technology to electronically transfer information onto the PCs within fire vehicles, thus, assisting fire suppression staff with timely up-to-date information.

The 2007-2010 task list and cost breakdown is as follows:

Year	Task Description	Costs
2007	<ul style="list-style-type: none"> - Purchase mobile PCs for the fire vehicles. - Automated upload of Pre-incident planning and other data onto the mobile PCs. - Hire consulting expertise to assist in the CAD upgrade by assisting in implementation services. 	\$270,000

To: Finance & Civic Development Committee
 From: Chief Information Officer
 Re: FIRE COMPUTER AIDED DISPATCH WITHIN
 PCS IN THE FIRE VEHICLES

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2009	- Create communications network to send the dispatch information over a wireless access technology. Annual operational communications costs will be incurred. - Burnaby will move and upgrade to the FDM system, thus creating consistency throughout the lower mainland.	200,000
2010	- Purchase Intergraph mobile software and implementation & training services for the dispatching information to be displayed on the mobile PCs in the fire vehicles.	350,000
2011	- Purchase Intergraph Global Positioning System (GPS) to track vehicle locations and provide for "closest to" dispatching when apparatus are out of station and available for a response.	200,000
TOTAL COSTS		\$ 1,020,000

The 2010 component of the Fire applications projects will include the following benefits:

- Since the E-Comm fire dispatch moved their dispatching application over to the Intergraph CAD system and Burnaby has implemented the latest version ensuring our CAD system will be at the same operating level as the E-Comm dispatching system. This provides interoperability in the event of a major incident requiring multi-agency / jurisdictional responses. Current CAD information can be sent over the cellular network to fire vehicle PCs;
- To provide online data access within the fire vehicle PCs.
- To hire Intergraph consulting expertise to assist City staff with the implementation of the dispatching information to be displayed on the mobile PCs in the fire vehicles, thus, ensuring staff knowledge transfer; and
- To improve data information to the fire suppression staff.

FINANCING

The 2010 Information Services component of the 2010-2014 Capital Program has the funding within the overall total of the Information Services component. Operating budget impact includes Intergraph CAD mobile software cost of \$25,800 per year and Telus cellular mobile network access costs of \$49,200 per year giving an additional annual operating cost of \$75,000.



Brian Sameshima
 CHIEF INFORMATION OFFICER
 BS:js



Chief Bob Cook
 FIRE CHIEF

Copied to: Director Finance