



CITY OF HAYWARD
AGENDA REPORT

AGENDA DATE 06/26/07

AGENDA ITEM 7

WORK SESSION ITEM _____

TO: Mayor and City Council
FROM: City Manager
SUBJECT: Replacement of Police Computer Laptops

RECOMMENDATION:

It is recommended that Council approve replacement of obsolete Police Department laptop computers and appropriate funds for this purpose.

DISCUSSION

The City currently has 85 laptop units used by Public Safety field personnel: 65 older models in Police and 20 new models that were recently purchased and mounted in Fire apparatuses. (An additional 20 will be purchased in Building and Safety through funds already budgeted in CIP for completion of the old, 2-year Technology Plan).

The laptops in the Police Department are approaching full obsolescence and are exhibiting a high failure rate. The Police laptops are a mixture of older Panasonic models (CF-27, CF-28, and CF-29). The CF-29 models were purchased within the last two years and have some reasonable remaining life. However, the other 50 units are failing and are at the end of their useful life.

The Police Department has been experiencing growing failure rates in wireless connectivity and basic unit functionality, due primarily to the obsolete components in the older laptops and the inability to upgrade their operating system software any further. These older Police units, Pentium II's purchased in FY 2000-2001, were originally delivered with Windows 95 as the operating system, and offered very little other software. Technology Services has creatively re-configured them numerous times over the years to run updated Operating Systems and other software as operational needs have increased in this area, but cannot update them any further: the current situation utilizing Windows XP is unstable at best despite the creative efforts of Technology Services staff. Approximately 28 of the original units have been completely removed from service due to system hardware failures and the lack of available spare parts.

In addition, most modern Police Departments have the ability to access various geographic-based software programs while in the field (e.g., GIS, StreetView, Pictometry, etc.) The older computers in use by Hayward Police Department do not have the capacity to handle the large files created by geographic software. By replacing the laptops with up-to-date hardware and software, Technology Services will be able to put Pictometry on each Police laptops giving

officers in the field the ability to immediately get relatively current ortho-photographs¹ of the city. This can be an immense advantage in many police activities, particularly tactical situations where building entrances and exits need to be assessed to effectively mobilize personnel, or to improve officer safety by viewing possible hiding places or identifying potential routes of travel through a neighborhood as an officer enters the area.

Additionally, the newer technology laptops will allow officers in the field to prepare photo line-ups without having to come into the police facility. They will also be able to run criminal history queries, warrant checks, and driver and vehicle registration information from their cars using the most up-to-date software applications.

FISCAL IMPACT

The requested funds will be used to replace 50 Police Department laptops with Panasonic Toughbook CF-30's at approximately \$230,000. (Panasonic Toughbook CF-30's with the required harden cases and hard drives, touch screen displays, and backlit keyboards are approximately \$4,600 each.) The units will fit into the existing mounts installed in Police vehicles.² Money for this critical project is available in the General Fund undesignated fund balance.

COUNCIL COMMITTEE ACTION

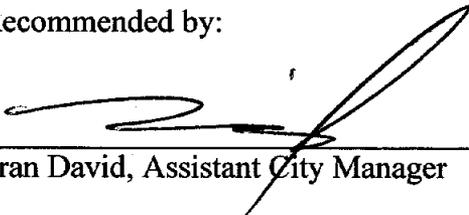
On June 20, 2007, staff presented a report on this subject to the Council Technology Application Committee (CTAC). The CTAC endorsed staff's recommendation and concurred with presenting the recommendation to the full Council as soon as possible.

Prepared by:



Clancy Priest, Deputy City Manager/Technology Services Director

Recommended by:



Fran David, Assistant City Manager

¹ Orthophotography is a product, which has the geometric accuracy of a map but contains the immense detail of a photograph. The ortho process corrects for distortions caused by the terrain, the orientation of the airplane and the camera lens. Orthorectification results in a planimetric image that allows users to accurately measure distances and areas.

² Unlike existing Police laptops, these new laptops will be "locked down" in the assigned vehicles and will not be removable by the individual officers using the vehicles. This is consistent with best practices in the public safety industry and has the full support of the Police Chief.

Approved by:



Jesús Armas, City Manager

DRAFT

NH
6/20/07

HAYWARD CITY COUNCIL

RESOLUTION NO. 07-

Introduced by Council Member _____

RESOLUTION AMENDING RESOLUTION 06-080, AS AMENDED, THE BUDGET RESOLUTION FOR FISCAL YEAR 2006-07, RELATING TO AN APPROPRIATION OF FUNDS FOR REPLACEMENT OF OBSOLETE POLICE DEPARTMENT LAPTOP COMPUTERS

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that Resolution No. 06-080, as amended, the Budget Resolution for fiscal year 2006-07, is hereby amended by approving an appropriation of \$203,000 from the General Fund (Fund 100) for replacement of obsolete Police Department laptop computers.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2007

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

MAYOR: Sweeney

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward