



Office of the City Administrator

To: Mayor Welch, Common Council Members
From: Trever Brandenburg, Network Engineer and Al Hulick, City Administrator
Date: August 20, 2019
Subject: Discussion and Authorization to Purchase a New Server for the City of Milton and Milton Joint Fire Department

Summary

City of Milton has an older server that is reaching the end of its supported life with Microsoft. Microsoft is ending support for the operating system and will no longer receive critical patches and updates leaving the City of Milton's network at risk of intrusion. The cost of the new server, software, requisite hardware, and installation will be **approximately** \$26,682 with the Fire Department incurring \$5,336.40 (see attached pricing quote). This cost will be shared between the City of Milton (\$21,345.60) and the Milton Joint Fire Department (\$5,336.40). The City's portion of funding for the purchase of the server and accompanying software, hardware, and installation will be provided by the contingency fund.

This project **does not** include the cost to upgrade workstations from Windows 7 to Windows 10 which is expected to be about \$300/computer. The City's IT Provider (Ignatek) is still working on determining how many computers will need to be upgraded and/or replaced.

Analysis

The Email solution is also nearing its end of life and will experience rejection as other updated servers will not receive mail for legacy mail providers for security purposes.

Microsoft no longer makes an all in one bundle server like the City currently has the City's IT Provider will be upgrading the system to an in house virtual server system. Each server will be updated to the latest OS and patches for security.

The City of Milton will also be getting an application server to host the main business application per the application vendor requirements.

At the same time, Ignatek will be upgrading the HP hardware that is at the end of its system life cycle. This will ensure reliability and help prevent data corruption.



The City of Milton will be adding a 3rd layer of security to their backup system with a cloud based backup system. This will give the City an onsite backup (as is currently done on a nightly basis), a local offsite backup rotated weekly (as currently done) and a cloud backup to ensure data security (new on-going monthly cost of \$75/month).

The City of Milton will repurpose there VMware and VEEAM licenses and the storage NAS to save costs as they have active subscriptions.

Recommendation

The City Administration recommends the Common Council authorize the purchase of the new server and requisite components and installation, in an amount not to exceed \$23,000 in coordination with the Milton Joint Fire Department.

The “extra” difference of \$1,654.40 represents any unanticipated labor that will be necessary to complete the project. If the costs are not incurred, it won’t be billed.