

# City of McCleary

## STAFF REPORT



<b>To:</b>	Mayor Miller and City Councilmembers
<b>From:</b>	Tyson Ryder
<b>Date:</b>	April 12, 2023
<b>Department:</b>	IT Administration

### **IT Infrastructure Update**

#### **Background**

After three months of assessing, cataloguing, collecting data, backing up current data, and patching holes in the city's current IT infrastructure, we had two companies, Aktivov and Insight, perform assessments and provide quotes and recommendations.

The following summary was the result. The current hardware used in all areas of the city is currently antiquated, and unsupportable. The Police Department network infrastructure is in the worst condition. There is also a need to correctly wire all locations.

A breakdown of what is to be provided is as follows:

#### **Hardware**

Two (2) HPE DL360 Gen10+ servers configured for High Availability  
One (1) HPE Modular Smart Array 1060 w/6 SAS drives totaling 7.2TB  
One (1) Cisco 48 port POE+ switch  
Four (4) FortiGate firewalls to replace all four locations  
One (1) HPE Rack Mount KVM Console  
One (1) 36u G2 Advanced Shock Rack

#### **Software**

One (1) Rubrik Zero Trust Platform – Security and Monitoring Suite  
One (1) Atera Remote Monitoring and Management Suite

Due to the disjointed nature of the network and many previous attempts at “fixing” it, there is little information or management options for ensuring that remote user accounts have been deactivated and previous employees being disabled. It is our recommendation that we replace the current servers, switches, firewalls, and profile data. It is further recommended that additional software be purchased to shore up the security and monitoring

aspects of the network due to the increased threat landscape in society today.

The Police Department will also use the same hardware, lowering costs, while also keeping them separate per federal security requirements by utilizing VLANs and subnetting.

### **Cost Summary**

The proposed solution is roughly \$80,000. This cost includes all the new hardware, software, licensing for the first three years, shipping, tax, and installation/technical support. The proposed solution will operate for a minimum of 5 years and support future growth and expansion.

### **Recommendations and Council Action Needed**

The IT department is making the following recommendations for the Mayor and City Councils Consideration. We request that Council authorize the Mayor and City staff to proceed with expedited requisition of materials needed to complete the needed IT infrastructure upgrades. It is further requested that Council approve a 2023 budget amendment, to be brought forward at the May 10, 2023 Council meeting. Final costs will be determined before the next council meeting, but should not exceed \$88,000. The budget amendment to be brought in May will be for the actual costs of the project, including a 10% contingency for any unforeseeable costs.