City of Waukesha IT Technical Assessment

Requesting Department Use

Fiscal Year: 2019   Requester: Chris Pofahl   Title: Director   Dept: IT

These requests align with two Strategic Plan focus areas: Well Managed/Financially Sound, and Safe and Secure.

Well Managed/Financially Sound: In 2019, the IT department is employing a new three-tiered storage strategy. Tier 1 storage is the most expensive storage because it needs the compute power (CPU and Memory), plus storage capacity to house and run all City production servers. Tier 2 storage is for applications and systems that require less compute power than Tier 1, but more storage capacity. Tier 2 is primarily used for Video storage and nightly backups. Tier 3 storage is the cheapest storage and is used for housing "cold" or archival information such as offsite copies of video or backups. Tier 3 storage may be an on-premise device, or cloud storage. The Tier 1 and 2 storage requests will allow us to implement this new storage strategy. The Tier 1 storage is needed to add disaster recovery capabilities to our production environment, plus adding compute power at the PD datacenter needed to decommission older servers. The Tier 2 storage will allow us to add 210 terabytes of capacity needed for the statutory requirements for retention, and reallocate current storage to make sure that video has a backup. Cloud options are still too expensive (20 terabytes = $24,000 annually). Requests to add storage have been removed the last 2 years in a row.

Safe and Secure: The Security Information and Event Management (SIEM) is part of IT's layered security strategy. The SIEM is a tool used for collecting and analyzing security events on the hundreds of network devices and servers we manage, and is invaluable in defending and remediating network attacks or breaches. The total cost of the project is $80,000, but is being offset by $30,000 from the 2019 MFA project that is being carried over.

Proposed Project / Technology
Check one: X Replacement ☐ New ☐ Upgrade ☐ Other:

Will any of the following need to be purchased: PCs, Handheld devices, Laptops, printers, scanners, etc.

☐ N/A ☐ Yes   X No

If yes, please explain:

INFORMATION
TECHNOLOGY
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