Rought Draft: Proposal for BCPUD IT Improvements.

Task 1: Assist Georgia with setting up and maintaining basic Microsoft SharePoint functionality with the goal of creating a "file server in the cloud". Train Georgia to do basic maintenance on the system including user and file management. During this task the local file server data will be moved to the cloud.

We will also advise BCPUD on best practices for organizing data.

We estimate that this will take about six hours of senior time.

Task 1a: Install QuickBooks in a new PC to replace the server.

If BCPUD retires the old server, we will need something to run QuickBooks desktop on. This can be a basic desktop computer that should cost under $900.00 - $1000.00 if one is not available.

It would take about two to three hours of standard rate time to do this.

Task 2: Setup new firewalls with intrusion prevention. Create secure links between the sites as needed.

We estimate that this will take about six hours of senior time.

Task 3: Initiate vulnerability scanning of the BCPUD network.

This is done at a flat rate of $200.00 per month. This price includes basic analysis of reports. Resolving or mitigating any issues found will be discussed with BCPUD management with any costs to be discussed at that time.

Task 4: Install Sentinel One EDR. EDR is an improved replacement for traditional antivirus. The EDR agent is monitored 24/7 and issues can be addressed right away. The package also allows us to assist your users remotely, which can significantly reduce IT costs. Of course, Chris Cosgrove lives 25 minutes away.

The price for EDR is $15.00 per PC per month.

We estimate that installing the agents will take about two to three hours of standard time.

Network equipment:

We recommend Unifi network equipment. It is powerful, inexpensive to maintain, and affordable.

For the main site, and possibly the lab we recommend the Unifi Dream Machine SE:

https://store.ui.com/us/en/collections/unifi-dream-machine/products/udm-se

This unit will do automatic failover between two internet connections.

For sites that will only have one internet connection the Unifi Dream Router will work:

https://store.ui.com/us/en/collections/unifi-dream-router

This unit also has built in Wi-Fi.

For Wi-Fi the compatible Wi-Fi unit we recommend is this one:

https://store.ui.com/us/en/pro/category/all-wifi/products/u7-pro

You may need a switch for the main building. This one will work:

https://store.ui.com/us/en/pro/category/switching-utility/collections/pro-ultra/products/usw-ultra?variant=usw-ultra

Exact configuration will depend on the final approval of this task.

Hardware costs:

Item	Purpose	Cost	link
Unifi Dream Machine SE	Firewall	$499.99	https://store.ui.com/us/en/pro/category/all-unifi-cloud-gateways/products/udm-se
Unifi Dream Router	Firewall/Wi-Fi	$199.00	https://store.ui.com/us/en/pro/category/all-unifi-cloud-gateways/products/udr
Unifi U7 Pro	Wi-Fi	$189.00	https://store.ui.com/us/en/pro/category/all-wifi/products/u7-pro
Unifi Ultra Switch	Switch	$129.00	https://store.ui.com/us/en/pro/category/all-switching/collections/pro-ultra/products/usw-ultra

For the main site, we would recommend a Dream Machine SE, an Ultra Switch, and a U7 Pro.

For the lab we would recommend a Unifi Dream Router UNLESS Horizon can bring an additional fiber line to the building.

For the plant, we would recommend a Unifi Dream Router.

There may be other incidentals that we may need such as cables, power strips, etc.

Items for more discussion:

Eliminating analog lines

Meeting with our security expert

Document scanning

Possible office relocation

Possible QuickBooks conversion/Upgrade.

Backup and disaster recovery concerns.

Please keep in mind that the times listed are best estimates based on our experience in these matters. It is possible that we could find a situation where more time would be required. If this is the case, we would discuss with BDPUD management before proceeding.