

INFORMATION TECHNOLOGY COMMITTEE MEETING MINUTES
FEBRUARY 11, 2020

INFORMATION TECHNOLOGY COMMITTEE MEMBERS PRESENT: O'Brien, Clary, Fedler, Hogan, Ferguson, Griffith

INFORMATION TECHNOLOGY COMMITTEE MEMBERS ABSENT: Hicks

SUPERVISORS: Hall, Henke, Shaw, Ward, Campbell

Debra Prehoda, Clerk of the Board

Al Nolette, County Treasurer

Roger Wickes, County Attorney

Chris DeBolt, County Administrator

Teri McNall, CIO Information Technology

AGENDA AS PRESENTED IN COMMITTEE NOTICE:

1. Call to Order
2. Accept Minutes – December 10, 2019
3. County Attorney
 - A. Cyber Security Report
4. Information Technology
 - A. Projects Update
 - B. Capital Projects – Sheriff's Office/Firewall
5. Other Business
6. Adjournment

Chairman O'Brien called the meeting to order at 10:25 A.M.

A motion to accept the minutes of the December 10, 2019 meeting was moved by Mr. Clary, seconded by Mrs. Fedler and adopted.

COUNTY ATTORNEY: Roger Wickes, County Attorney, addressed the following items with the committee:

- Cyber Security Report – Distributed the annual cyber security report, handout attached. Starting to get reports from employees which is extremely encouraging because it is raising our awareness of what is going on. Recipients of a NYS Homeland Security grant in 2018 in the amount of \$50,000 that allowed the County to implement security backups and notifications and received another \$50,000 grant award in 2019 applying toward firewall protection. National Cyber Security review has been completed for the second year. The Cyber Security Officer has spoken at events and attended several conferences. The map of the global view indicates the countries attempting to access Washington County systems; countries shaded in blue. The Cyber Security Officer position was recommended in the Grey Castle study and the County is benefitting from having this position.

INFORMATION TECHNOLOGY: Teri McNall, CIO, addressed the following items with the committee:

- Projects Update, handout attached. Completed five significant projects: New World upgrade, Axon Deployment, VPN Appliance, Cloud backup solution and Wi-Fi for Burgoyne. One concern with coming in here is naming software and products is a cyber security risk and will dialed back some of the specifics due to those risks but still keep the committee informed. Discussion can take place in a more generic form. Started working on the firewall project last year and the vendor contacted her to let her know they made a mistake and missed a \$7,000 fiber connection part. Anticipates money in the budget from savings on high end computers for DPW no longer necessary to run their CAD systems that were scheduled for replacement. A budget amendment is not necessary but wanted to provide this information to the committee. A motion to approve change order for fiber

connection part for firewall was moved by Mrs. Fedler, seconded by Mr. Griffith and adopted.

- Capital Projects – Sheriff's Office/Firewall – Two projects that she would really like to get accomplished: Cradlepoint Replacements \$65,000 and Camera System Updates \$60,000. The cradlepoint replacements are router replacements in patrol cars, DPW barns and the two parks. She would like to do this project all at one time. It will require they go out to bid for the routers because they are not on state contract – brand they need. Upon acceptance of capital plan, she would like approval to get started on that particular project. Possibly talk more in depth about camera system update next month especially with Public Health going to Burgoyne. Currently we have single DVR systems with cameras connected to them. There is no central management, storage, or auditing. This would be the first step forward in putting in a camera system for the County providing central management, storage, auditing and integration with active directory. This would be a great step forward and this proposal would cover Burgoyne, replacing Municipal Center system, Sheriff's Office and Salem substation as well. This would be a great start to that progression forward. The system she is going to go with is the same vendor that provides our access control so they will integrate. Treasurer suggested just properly fund the IT department instead of placing these items in a capital plan; recommending that the Budget Office consider adding this level of funding to General Fund. The purchases on his handout are more appropriate in the General Fund. The CIO agreed stating many of these items will be on a five-year replacement schedule. A motion to support Information Technology's 2020 capital projects was moved by Mrs. Fedler, seconded by Mr. Ferguson and adopted.

OTHER BUSINESS: None.

A motion to adjourn was moved by Mrs. Fedler, seconded by Mr. Ferguson and adopted. The meeting adjourned at 11:13 A.M.

Debra Prehoda, Clerk
Washington County Board of Supervisors

2019 ANNUAL CYBER REPORT



1,862,444 email transactions sent and received



84 reports from employees of unusual activity, suspicious emails



Employee Awareness



288 Security Advisories – from partner agencies identifying vulnerabilities, patches, and exploits

Internet Transactions

- 334,000,000 Clean
- 30,500,000 Suspect
- 30,400,000 Blocked



NYS Homeland Security Grant FY18 \$50,000 and NYS Board of Elections awards - insight into our environment and enabled us to improve our security posture. (Observed and Investigated are for the period July 15 – Dec 31)



Observed
2.5 billion data points



Investigated
11,197 events



Ticketed
278 incidents

Completed National Cyber Security Review (NCSR) for second year demonstrating our cyber maturity and progress.

Cyber Maturity improved 30% in 2019



Strengthened partnership with Federal & State partners, Multi-State Information Sharing and Analysis Center and Elections Infrastructure Information Sharing and Analysis Center



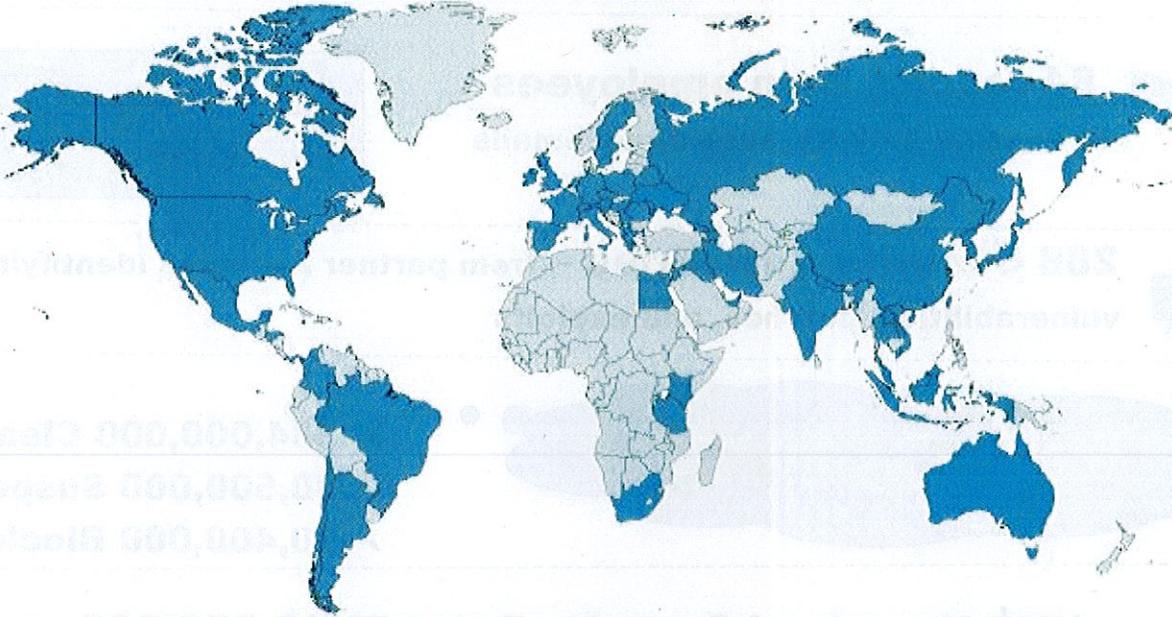
Community Outreach at Senior PopUp Events alerting to scams internet safety and identify theft



Continued advancement of our Vulnerability Management Plan with adoption of framework to protect the Confidentiality, Integrity and Availability of Washington County Systems.



Global view of attempts on Washington County Systems for a 3 week period



2020 Outlook moving the dial further maturing our cyber posture



NYS Homeland Security Grant FY19 \$50,000 award to further improve security posture.



It is reported that 93% of attacks are initiated via email - phishing and spearphishing (targeted) attacks will increase.



An increased number of supply chain contacts are being compromised, thus continued employee training to identify this type of attack will be key.



Increased focus on our 3rd party risk, as attackers are focusing in on our vendor/partners as a pathway into our organization.

| On Time | | | Later than expected | OverDue | | | |
|------------|-------|------------|-------------------------|---|------------|----------|--|
| Start Date | Goal | Status | Item | Description | Dept | Complete | Latest Activity |
| 10/19 | 2/20 | In Process | windows 10 deployment | All computer up to windows 10 OS | All | 80% | Upgrading pcs that are compatible, replacing those that are not |
| 3/19 | 12/19 | In Process | DPW truck communication | Communication of Trucks through wifi | DPW | 90% | Final configuration in process, test data received and being evaluated |
| 11/18 | 6/19 | In Process | Kronos software upgrade | Upgrade of Kronos software and move to cloud | All | 80% | working on data mapping and clock testing/installation |
| 12/19 | 3/19 | In Process | MDM solution deployment | MDM solution to manage mobile devices | All | 10% | Kicking off project |
| 1/20 | 3/19 | In Process | Cloud DR Solution | DR Cloud solution deployment | All | 20% | Configuring servers |
| 1/20 | 4/19 | In Process | Firewall | New Firewalls | All | 10% | Project kickoff and planning |
| 9/19 | 12/19 | Complete | New World upgrade | new server and configuration for the NW application | All | 100% | Complete |
| 10/19 | 12/19 | Complete | Axon Deployment | Deploy new body cams, interview rooms and digital evidence platform | Sheriff/DA | 100% | Complete |
| 8/19 | 11/19 | Complete | VPN Appliance | Installation of new VPN appliance | All | 100% | Complete |
| 12/19 | 1/20 | Complete | Cloud backup solution | Backup for cloud apps | All | 100% | Complete |
| 11/19 | 12/19 | Complete | Wifi for Burgoyne | Wifi for Burgoyne location | All | 100% | Complete |

IT 5-Year Capital Projects

| Year | Project | Budget | Yearly Total |
|------|------------------------------------|------------|--------------|
| 2020 | Cradlepoint Replacements | \$ 65,000 | |
| 2020 | Camera System Updates | \$ 66,000 | \$ 131,000 |
| 2021 | Conference Room Upgrades | \$ 22,000 | |
| 2021 | UPS Replacement | \$ 25,000 | |
| 2021 | Symmetra | \$ 15,000 | |
| 2021 | Camera Expansion | \$ 75,000 | \$ 137,000 |
| | Core Switch Replacement & Wireless | | |
| 2022 | Upgrades | \$ 150,000 | \$ 150,000 |
| 2023 | Edge Switching | \$ 100,000 | |
| 2023 | Fiber Upgrade | \$ 25,000 | |
| 2023 | Data Center Upgrades | \$ 25,000 | \$ 150,000 |
| 2024 | SAN | \$ 85,000 | |
| 2024 | Server Replacement | \$ 65,000 | \$ 150,000 |
| | 5-Year Total | \$ 718,000 | |