

The Geauga County Automatic Data Board met for a Special meeting on Wednesday, July 20, 2022, at 9:00 am at 231 Main Street in the Auditor's Appraisal Conference room and via Teams. Members present: Chuck Walder, County Auditor; Scott Hildenbrand, County Sheriff; Joe Cattell, County Engineer; Tammy McClintock, representing Sheila Bevington, County Clerk of Courts; Jim Dvorak, County Commissioner; Caroline Mansfield representing C.P. Hitchcock, County Treasurer; Jim Flaiz, County Prosecutor; Michelle Lane, Board of Elections Director; Nora McGinnis, Board of Elections Deputy Director and Celesta Mullins, County Recorder. Also present: Pam McMahan, Deputy Auditor; Ron Leyde, Chief Deputy Auditor; Frank Antenucci, Chief Deputy Administrator; Allen Keener, Chief Technology Officer; Nina Lulich, League of Woman Voters of Geauga; Laura LaChapelle, Assistant Prosecuting Attorney; Diane Jones; Gerry Morgan, County Administrator; Scott Daisher, BOE Office Administrator; Steve Oluic, Water Resources Director; Mike Kurzinger, Network Administrator; Mike Adams, ADP, Rob Bushman, ADP; Anastasia Nicholas, Chagrin Valley Times and Zach McLeod, ADP.

Approval of March 15, 2022, Meeting Minutes.

Motion: by Joe Cattell, seconded by Jim Dvorak to approve March 15, 2022, meeting minutes.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Approval of ADP Equipment list from May 1-June 30, 2022.

Motion: by Caroline Mansfield, seconded by Celesta Mullins to approve the May 1-June 30, 2022, equipment list.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Approval of Purchase list from May 1-June 30, 2022

Motion: by Sheriff Hildenbrand, seconded by Caroline Mansfield to approve the May 1-June 30, 2022, purchase list.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Approval of Great Lakes Computer Corp. Backup and Disaster Recovery

Motion: by Sheriff Hildenbrand, seconded by Caroline Mansfield to approve Great Lakes Computer Corp. backup and recovery services.

Allen discussed the nature of this program: executing disaster recovery and cloud storage plan. Frank explained the more rapid nature of this recovery, opposed to the currently used tapes, and we do not have a server disaster recovery function at this time.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Approval of Illuminati Labs LLC Cellular DAS for GCOB

Motion: by Joe Cattell, seconded by Jim Dvorak to approve Illuminati Labs LLC. For Cellular DAS for the new building.

Frank spoke on the recent collaboration with professionals from MV5 and the need to improve the poor cellular service at the Geauga County Office Building. MV5 professionals are working with Allen to find the best method of providing good cellular service from the basement of the new building to the top floor. This plan includes the four major carriers.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Approval of Common Pleas Court View Annual Support

Motion: by Celesta Mullins, seconded by Caroline Mansfield to approve Common Pleas Court View Annual Support.

Allen noted this is Common Pleas annual renewal of their support system.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Approval of the Common Pleas SHI Vista Server Rehost Project

Motion: by Joe Cattell, seconded by Sheriff Hildenbrand to approve Common Pleas SHI/ Equivalent/ Vista Server Rehost Project.

Allen states that this would bring the court's servers into a proper operating system.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Approval of Sheriff's Kinetic Business by Windstream 911 Circuits.

Motion: by Tammy McClintock, seconded by Sheriff Hildenbrand to approve Sheriff's Kinetic 911 Circuits.

Sheriff Hildenbrand stated that this is for the new building and rerouting some of the 911 lines and has no additional cost.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Approval of Water Resources Spectrum at McFarland Plant

Motion: by Sheriff Hildenbrand, seconded by Celesta Mullins to approve Water Resources Spectrum at the McFarland Plant.

Mike Kurzinger commented this is a replacement of the current static line point to point fiber to change to direct internet access. Frank asked if this is used for SCADA machines that are internet facing and use point to point. The answer is yes. Frank asked if the single internet is what provides internet access for the file shares and SCADA. Mike said these use straight VPN. Chuck mentioned that all outwardly facing devices need to be equipped with high level security from viruses, outside threats, etc. He asked what measures ADP has in place to ensure this network and the devices connected to it are protected and compliant with all the security issues ADP have been advised of. Andy explained that there is no firewall at McFarland, this approval allows for a firewall. It will also remove the need to go to 470, giving direct route to county networks as they are not secure currently. He stated that currently, the private lines can be recreated with better encryption to choose what can get to the internet and what can get into the network. Frank asked if this internet connects to the SCADA devices. Andy added that everything goes through the internet through 470.

Chuck explained that without proper security measures on the internet the county is open to threats. Frank addressed the need of ADP to know what is being connected and provided through this internet. Chuck went on to mention that some people want to shut down Cloud Strike, the County internet protection service; making the case that the county has real security needs to meet. Frank added that a SCADA/SCHEMA is necessary and that it is important to account for what is connected to the internet vs. what is not. Chuck reminded the Board that everyone agreed they were to have a SCHEMA by October, "a hard line in the sand". Chuck expressed that many months later, no steps have

been taken to ensure the safety of the technology that is in the County. Frank stated there should be a discussion about SCADA/SCHEMA before the board discusses approval of more internet and this is a little premature. Steve stated that SCHEMA was provided, yet not adequate. He continues, saying that HDR Engineering came in as well and provided a SCHEMA and there was not much more discussion afterward. Frank stated that the price of the services was to be \$30,000.00, which the department could not afford to pay, opting for a lesser version. Steve responded saying that he already had a contract with HDR. He added that the department has turned over all passwords, network administration, etc. Frank says that Water Resources is internet facing, which he is less comfortable, he recommended mirroring what the Sheriff uses for security. Chuck stated that there are issues with the department attempting to disable Cloud Strike to use the internet to update systems. Mike mentioned that the update was on a public WIFI, not a network WIFI and there have been no breaches in 20+ years. Chuck stated windows update on a public Wi-Fi affecting a node that is connected to a programmable logic controller is running a Wastewater Plant is a challenge to believe it would be secure. He also mentioned an employee's workstation was running potentially nefarious products and possibly sending out "Log Me In data". Mike said that is not active as Allen had asked for it to be removed and it was removed. Zach said it is active and running reports on the hour and sending reports out through the internet to somewhere.

Celesta asked if the request for approval can be made contingent on prior security measures made available. Chuck responded that has been the plan, but compliance has not been achieved. Chuck then added that communication goes two ways and that ADP received blame for the department's inability to log in to their system, despite never altering passwords administratively at McFarland or logins and wants ADP to never be put in that position again. Frank said that the issue can be tabled, and Celesta added her discomfort approving something that could be a risk to the County. Sheriff Hildenbrand recommended tabling the motion.

Motion: by Sheriff Hildenbrand to rescind the motion, seconded by Celesta Mullins.

Voice votes: 10 ayes, 0 abstain. Motion carried

Motion: by Frank Antenucci to table #9, seconded by Celesta Mullins until the next meeting in September.

Voice votes: 10 ayes, 0 abstain. Motion carried.

Water Resources Integration Update

Frank described the timeline of integration, a few days after Water Resources move to the new building. Allen explained the high-level administrator password and mentioned changing services that were running for security reasons. He also mentioned the change of certain administrator passwords and services and a change to the Firewall administrator passwords beforehand. Allen informed the proper people at Water Resources and began switching the department to Office 365. Allen said there are some differences with Water Resources and the Sheriff's as that is an elected position and per the ORC differences in the IT group. Frank said everything went fine until that Saturday, when Gerry informed him of major SCADA issues at McFarland. Steve said that they lost monitoring ability of certain valves, flow rates, etc. There was also a disconnect with an onsite building and equipment. He mentioned that the plant was required to shut down and notified the EPA, sit down with an inspector, and hauling the discharge away with additional contractors' assistance. The system came back mid-day Sunday. WR monitored it all day and stopped hauling sewage and the plant is still operating. Tests were run and the only left is to shut the system down and turn it back on.

Frank mentioned that ADP changed the high-level administrator passwords of specific servers on Thursday, and they remained this way on Friday. Gerry requested that Mike Kirzinger (Water IT) be given passwords back and reverted, which was done at that time. Frank says that at present Water Resources as it is not integrated with ADP as it was restored to its normal operations and in control of passwords, administrator accounts, etc. and said things had moved back to “pre-Thursday” operations. Mike says that because of ADP’s administrative changes, servers and files were unable to be accessed by the department’s IT. Gerry says that Mike was unable to access necessary programs that were running at McFarland. Frank stated that Mike was unable to access high level servers, but not local administrative on SCADA machine s. He says that ADP never had access to SCADA machines or PLCs which control the valves and make things move. Frank asked who has the PLC passwords and Mike said the original installer no one from WR or ADP.

Jim Flaiz spoke about a test message he received from Gerry blaming ADP for the issues Water Resources had. He wished to clarify that ADP never had any control of any plants. Frank said that only high-level controls were changed. No local servers were accessed, no SCADA was changed and no one in Geauga County even has control of PLC passwords for the plant. Mike states that ADP does have administrative access to workstations and has had them for months. Frank says ADP never changed local passwords or controls. Chuck explained that accusations came in that ADP was locking out Water Resources from troubleshooting their equipment. Jim Flaiz asked if Water Resources could not get access because of ADP. Steve said that it was the assumption. Jim Flaiz said Gerry discussed a message mentioning that the Attorney General may be required to investigate the issue. Gerry said he let Jim know WR are down, and Mike cannot get in his administrative access was taken away on Thursday and he cannot get in to at McFarland to address the issues and they were not getting a lot of positive help from ADP and the EPA contacted the State Attorney General s Office, so he felt the need to notify Jim. Chuck stated that the EPA individuals advised him that Water Resources told him that ADP was the cause. He said that Mike was not cut off from the McFarland plant, but only at 470 from servers that were performing backups. Frank mentioned that even after giving the passwords to Mike, the issue persisted. Chuck said there are bigger issues that if one password can do a catastrophic change of a vital wastewater treatment plant, that there are larger issues at hand.

Gerry responded to Chuck, saying that Water Resources only ever claimed that ADP hindered Mikes ability to log in to mitigate the issues. Jim Flaiz mentioned a past discussion of the McFarland plant, that the board was assured that internet **was not hooked up at the plant**, and systems were controlled on site and there were no vulnerabilities. Steve explained that manual override measures were taken, but the constant flow of trucks became too much for the plant, so they were redirected. Jim Flaiz stated that ADP should be in control of the servers and that he thinks Water Resources does not seem to have their “house” in order. Frank discussed this is the time to get a SCADA company and find out exactly what is connected to the internet to best assess the issues and concerns. He recommended finding an outside contractor to assess these problems. Jim Flaiz would like the company hired to report their findings back to the Board.

Motion: by Jim Flaiz, seconded by Sheriff Hildenbrand to contract with Dragos for OT analysis NTE \$49,900.00.

Voice votes: 10 ayes, 0 abstain. Motion carried.

AS THIS WAS A SPECIAL MEETING NO OTHER BUSINESS WAS DISCUSSED.

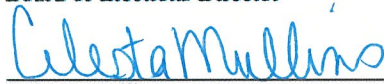
Adjourn

BEING NO FURTHER BUSINESS TO COME BEOFRE THE BOARD Caroline Mansfield, motioned to adjourn.

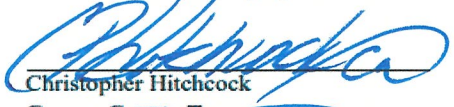
Respectfully submitted,

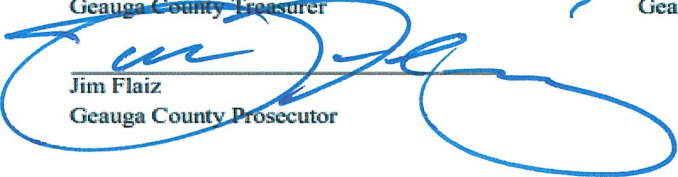
Charles E. Walder, Auditor
Secretary/ADP Board

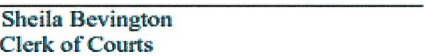

Michele Lane
Board of Elections Director



Celesta Mullins
Geauga County Recorder



Nora McGinnis
Board of Elections Deputy Director

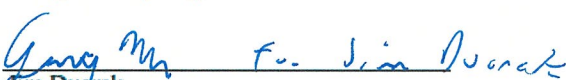

Christopher Hitchcock
Geauga County Treasurer


Jim Flaiz
Geauga County Prosecutor


Sheila Bevington
Clerk of Courts


Scott Hildenbrand
Geauga County Sheriff


Joe Cattell
Geauga County Engineer


Jim Dvorak
Geauga County Commissioner

