

4 Ways the Energy Sector is Building Better Security Practices

Energy Sector Leaders Discuss Security & Governance

Over the course of 2020, we have seen companies in nearly every sector embrace remote work to help keep their personnel safe during the global pandemic. This is true even in places like the energy sector where teleworking and remote workforces were not always readily accepted. In a sector like energy and utilities, social distancing may be the new way of doing business, but companies still need to operate within the compliancy bounds of the North American Electric Reliability Corporation Critical Infrastructure Protection (NERC CIP) framework.

Several innovative companies are finding ways where NERC CIP and remote work can come together. Workers are able to do their jobs remotely, and their companies stay compliant with the highly restrictive NERC CIP standards. Industry leaders from some of those firms recently got together on a [FedInsider virtual event](#) to discuss how they are maintaining a necessary level of daily governance while also supporting a remote workforce. The following are four key elements to their success.

1. Modernizing & reducing/eliminating as many manual processes as possible

As technology evolves, it often offers new and convenient ways to store and present data. However, sometimes there is a lot of resistance to replacing tried and true methods such as Microsoft Excel spread-

sheets or paper hard copies. The key is to try to get away from those processes, even if doing so is initially painful.

"Like many maturing programs, we managed through a number of spreadsheets and manual processes," said IAM Program Manager Sue Glynn at American Transmission Company. "Originally, compliance was mostly managed by our corporate security team. As the bulk of our regulated access was physical access, it required a badge that was issued by corporate security."

Glynn went on to say that it would take anywhere from five to ten minutes to open some of their more complex spreadsheets, much less begin to work with them. Additionally, managers would spend several weeks every quarter auditing access permissions instead of focusing on their primary roles. While Excel is a great tool, there comes a point where something more streamlined is better for identity management and compliance procedures. Additionally, Excel documents are not always audit approved due to weaker security than other access management tools.

Because of all of that, Glynn said they had to simply commit to removing the manual processes from their system and began to look for technology partners who could assist with that effort.

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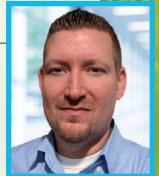
■ Sue Glynn

*IAM Program Manager,
American Transmission
Company*



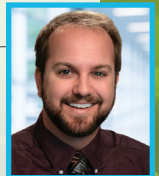
■ Mike Ellie

*IAM Analyst,
American Transmission
Company*



■ Jeff Haima

*Senior Cybersecurity
Analyst, American
Transmission Company*



■ John Peters

*Senior Enterprise
Infrastructure Specialist,
Sacramento Municipal
Utility District (SMUD)*



■ Andrew Brorsen

*Founder & Senior Partner,
Cirrus Cybersecurity
Group*



2. Security Reports Will Likely Spike after Automation, and that is Good

Whenever automation is brought into an organization, especially a utility that is constantly monitoring its security posture, there is likely going to be a huge spike in reports. While this situation can be alarming, and make it seem like the company is falling out of compliance, Jeff Haima, the Senior Cybersecurity Analyst at American Transmission Company says that there is no need to panic. In fact, the spike is actually good news.

"This sounds counterintuitive, but the spike proves that your program is working," said Haima, "What you've just done is taken a flashlight and looked around in all the dark corners of your organization and found some things that you didn't even know existed."

For Haima, the automation spotlighted some vulnerabilities that had gone undetected before. With the strict compliance

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