



**NY Power
Authority**

**Canal
Corporation**

PROPOSED AGENDA
JOINT NYPA & CANAL CYBER & PHYSICAL SECURITY
COMMITTEE MEETING

January 26, 2021 at 8:00 a.m.

Videoconference

- 1. Adoption of the January 26, 2021 Proposed Meeting Agenda**
- 2. Motion to Conduct an Executive Session**
- 3. Motion to Resume Meeting in Open Session**
- 4. DISCUSSION AGENDA:**
 - a. Cyber Security Update (Eric Meyers)**
- 5. CONSENT AGENDA:**
 - a. Adoption of the Joint Meeting Minutes of the Cyber & Physical Security Committee held on July 28, 2020**
- 6. Next Meeting**

January 26, 2021

Motion to Conduct an Executive Session

I move that the Committee conduct an executive session pursuant to the Public Officers Law of the State of New York §105 to discuss matters regarding public safety and security.



**NY Power
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**Canal
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January 26, 2021

Motion to Resume Meeting in Open Session

Mr. Chairman, I move to resume the meeting in Open Session.



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Cyber Security Update

Robert Piascik – SVP, CIO

Eric Meyers – VP, CISO

Victor Costanza – Deputy CISO



January 26, 2021

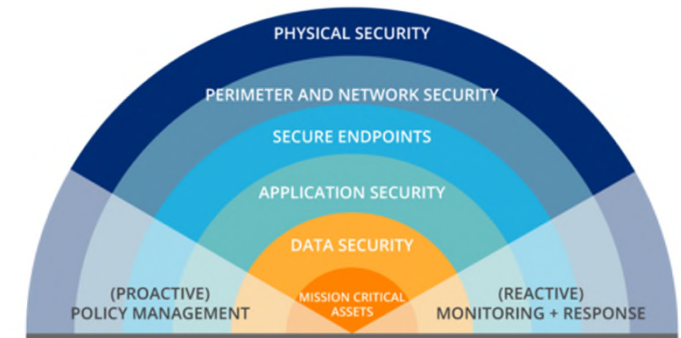
Response to SolarWinds Compromise (“Sunburst”)



- Swift Response to identify and mitigate any potential risk
 - Removed SolarWinds software and replaced with alternative
 - Performing “hunting” and forensic monitoring/analysis of entire ecosystem
 - Non- standard files, unusual patterns of access of applications/data, and behavioral analysis
 - Monitoring and action of indicators of compromise and potential malicious activity
 - Surveying NYPA third party entities to determine other potential supply chain impacts
 - Coordinating with State, Federal, industry partners to learn/share intelligence & best practices
 - NYPA participating on Electricity Subsector Coordinating Council “Tiger Team”
 - Coordinate collective response strategies & support Cyber Mutual Assistance activities
 - Develop briefings for industry awareness
 - Coordinate outreach to technology vendors (FireEye, Microsoft, etc.)
- No indication of compromise to date

State of Cyber Security – Prevention, Detection, & Response

- Apply Key Principles & Architecture
 - o “Zero Trust” - Verify explicitly, Least Privileges, Assume breach
 - o Layered “Defense in Depth” Security Architecture
- Continue to Leverage and build upon our Cyber Ops capabilities in 2021 to monitor, detect, and minimize threats (*Data Loss Protection, Behavior Analytics, Identify/Credential Management, data governance, NERC CIP, etc.*)
- Leverage and build Partner Ecosystem to share intelligence & coordinate – *can’t do it alone*



NY Power Authority

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APFA – American Public Power Association
 DHS/HSIN – Dept. of Homeland Security/Homeland Security Info. Network
 DoE/FERC – Dept. of Energy/Federal Energy Regulatory Commission
 EASE – Energy Analytic Security Exchange
 E-ISAC – Electricity Info. Sharing & Analysis Ctr
 EPRI – Electric Power Research Institute
 ESCC – Electricity Subsector Coordinating Council
 FBI – Federal Bureau of Investigation
 LPPC – Large Public Power Council
 MS-ISAC – Multi-State Information Sharing and Analysis Center
 NYSIC / DHSES – NYS Intell. Ctr/Div. of Homeland Security & Emergency Svs.
 Army Cyber Institute
 InfraGard
 IronNet/IronDome
 Dragos
 Deloitte – Cyber Advisory Support
 Cisco – Incident Response Services



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**MINUTES OF THE REGULAR JOINT MEETING
OF THE
CYBER & PHYSICAL SECURITY COMMITTEE
July 28, 2020**

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Minutes of the regular joint meeting of the New York Power Authority and Canal Corporation's
Cyber and Physical Security Committee held via videoconference at 8:30 a.m.

Members of the Cyber & Physical Security Committee present were:

Michael Balboni - Chairman
John R. Koelmel
Eugene L. Nicandri
Tracy B. McKibben
Dennis T. Trainor

Anthony Picente, Jr. – Excused

Also in attendance were:

Gil Quiniones	President and Chief Executive Officer
Justin Driscoll	Executive Vice President & General Counsel
Adam Barsky	Executive Vice President & Chief Financial Officer
Joseph Kessler	Executive Vice President & Chief Operations Officer
Kristine Pizzo	Executive Vice President & Chief HR and Administrative Officer
Sarah Salati	Executive Vice President & Chief Commercial Officer
Robert Piascik	Senior Vice President & Chief Information Officer
Yves Noel	Senior Vice President – Strategy & Corporate Development
Karen Delince	Vice President and Corporate Secretary
Daniella Piper	Vice President – Digital Transformation / Chief of Staff
John Canale	Vice President – Strategic Supply Management
Kenneth Carnes	Vice President – Critical Secure Services and Chief Information Security Officer
Joseph Gryzlo	Vice President and Chief Ethics & Compliance Officer
Ethan Riegelhaupt	Vice President – Corporate Communications
Saul Rojas	Vice President – Enterprise Resilience
Victor Costanza	Senior Director – Configuration Control and Deputy CISO
Lawrence Mallory	Senior Director – Physical Security & Crisis Management
Adrienne Lotto	Senior Director – Energy Security & Resilience Programs
Peter Prunty	Senior Director – Security Compliance
Susan Craig	Director – Media Relations
Mary Cahill	Manager – Executive Office
Paul DeMichele	Media Relations Project Manager
Lorna Johnson	Senior Associate Corporate Secretary
Sheila Quatrocci	Associate Corporate Secretary
Michele Stockwell	Project Coordinator – Executive Office

Chairman Balboni presided over the meeting. Corporate Secretary Delince kept the Minutes.

Introduction

Committee Chair, Michael Balboni, welcomed the committee members and the Authority's senior staff to the meeting. He said that the meeting had been duly noticed as required by the Open Meetings Law and called the meeting to order pursuant to Section B(4) of the Cyber and Physical Security Committee Charter.

1. **Adoption of the July 28, 2020 Proposed Meeting Agenda**

On motion made by member Eugene Nicandri and seconded by member John Koelmel, the agenda for the meeting was adopted.

2. **Motion to Conduct an Executive Session**

I move that the Committee conduct an executive session pursuant to the Public Officers Law of the State of New York §105 to discuss matters regarding public safety and security. On motion made by member Eugene Nicandri and seconded by member John Koelmel, an Executive Session was held.

3. **Motion to Resume Meeting in Open Session**

Mr. Chairman, I move to resume the meeting in Open Session. On motion made by member John Koelmel and seconded by member Eugene Nicandri, the meeting resumed in Open Session.

Chairman Balboni said no votes were taken during the Executive Session.

4. DISCUSSION AGENDA

a. COVID-19 Response & Security Update

Mr. Larry Mallory, Senior Director – Physical Security & Crisis Management, provided an update on NYPA and Canals' external support efforts to New York State in response to COVID-19.

COVID-19 NYS Response

Mr. Mallory said that, utilizing the Incident Command Structure, NYPA and Canals established specific goals and objectives of their response to the pandemic. These goals and objectives included: Placing a premium on employees' safety and health, reducing density, effectively working remotely wherever and whenever possible, and ensuring continuing continuity of operations. This was due largely, in part, to NYPA successfully implementing its sequestration plan at all the sites and supporting a safe phase restart.

In addition, through a collaborative effort between Crisis Management, Human Resources and Canals, the Authority was able to provide significant support to New York State. For more than 46 days, the Authority had 75 employees supporting the Department of Labor's Call Center, and more than 60 NYPA and Canals employees were trained as New York State Contact Tracers.

The Crisis Management Group supported the New York State Office of Emergency Operations Center, Essential Support Function 1, the department that is focused on transportation, and also supported the Anthony Wayne drive-thru testing area. This joined effort included support from members of the Canal Corporation with more than 53 employees providing support for 124 days on-site continuously, at Essential Function Number 1 transportation in Albany.

The Authority also played a leadership role. Two members of the NYPA Crisis Management Department were the leaders of the Specimen Serology Transportation Task Force. That task force shipped greater than 50,000 critical COVID test specimens from all across the state to Wadsworth Lab in Albany and coordinated the shipping of over one million tests kits to more than 1,000 Nursing Homes in New York State.

NYPA has an active Drone Program. The Anthony Wayne operations requested a drone photography of its drive-thru testing site and NYPA was able to respond, provided the drone, the drone pilot and copilot, and the photo of the site.

Mr. Mallory ended by saying that, while keeping the operations of the Authority running and the employees safe, the Authority was able to provide significant support to New York State, which is currently ongoing.

COVID-19 Cyber Security Overview

Mr. Kenneth Carnes (KC), Vice President of Secured Services and Chief Information Security Officer discussed the implementation of staff working remotely.

Preparedness/Response/Security

The Information Technology teams were enabled by NYPA's infrastructure and its security posture to support the migration to remote work. NYPA's Information Technology systems process that security. NYPA's security posture has not significantly changed since NYPA included resilience as an existing benchmark for architecture and security. The preparedness of NYPA's technologies and NYPA's Digital Worker Vision, continued response, training and exercises with its integrated security and a forward-looking strategic plan allowed that quick response and made the transition seamless.

Risks

NYPA continues to focus on new dangers. These new dangers do not significantly change the Authority's risk profile; they only add new risks and concerns and will remain a key focus for the Authority.

Phishing

NYPA's employees being in remote locations, and requests for access can lead to new threats of phishing.

Security

Security was shifted to focus on data and access and remote incident response; consequently, NYPA quickly deployed an Endpoint detection and response capability. As all of the devices left the internal protected networks and the traditional security model the Authority has in place, this quick response integration to the remote desktop was deployed so that Cyber Security could observe those devices off the network, perform security incident response and still control any security risk in this new normal.

Cyber Security plans to continue to focus on the awareness of its staff, increasing their technical fluency, and the security awareness in all roles.

Industry Leadership

NYPA participated in the working group at the World Economic Forum. NYPA's governance and oversight processes were recently highlighted in a Use Case in the released document from the Cyber Resilience in the Electricity Ecosystem Playbook for Boards and Cybersecurity Officers. The Use Case highlights NYPA's exercise of effective oversight of enterprise cyber risk and resilience, creating the right organizational governance, and assessing and prioritizing its cyber risk management. In partnership with NYPA's Enterprise Risk Management and NYPA's Secure Committees they are integrated in ways to identify risk; they also have conversations to properly understand risk tolerance for NYPA and its operational employees.

NYPA is recognized for its leadership in the cyber industry and continues to assist in clear and actionable ways around cyber governance and risk monitoring especially with its support to the industry around the COVID-19 Pandemic.

NYPA and Siemens are announcing a new collaboration to develop an Industrial Cyber Security Center of Excellence. It is a first of its kind cyber security monitoring, research and innovation center that will focus on detecting and defending against cyberattacks in a critical infrastructure. This collaboration will leverage NYPA's Advanced Grid Laboratory for Energy and will establish a testbed and demonstration pilots using technologies from Siemens, and others, in both laboratory and real-world settings. NYPA is excited to be leading in this partnership and will continue to build that partnership and support and help the industry, New York State, and its partners and customers in securing their infrastructure.

Chairman Balboni added that KC and the team have worked very hard on the protection of the Agile labs and the innovation. He said that the mandate to all of us is to "lean forward," and that is exactly what the Cyber Security team has been doing in this incredible critical time.

5. CONSENT AGENDA

On motion made by member Tracy McKibben and seconded by member John Koelmel the Consent Agenda was adopted.

a. **Adoption of the Meeting Minutes of January 29, 2020**

On motion made and seconded, the Minutes of the joint NYPA/Canal Corporation Cyber & Physical Security committee meeting held on January 29, 2020 were unanimously adopted.

6. Next Meeting

Chairman Balboni said that the next regular meeting of the Cyber and Physical Security Committee will be held on a date and time to be determined.

Closing

On motion made by member Tracy McKibben and seconded by member John Koelmel, the meeting was adjourned by Chairman Balboni at approximately 9:47 a.m.

Karen Delince

Karen Delince
Corporate Secretary

CYBER & PHYSICAL SECURITY COMMITTEE

EXHIBITS

For

July 28, 2020

Meeting Minutes



**NY Power
Authority**

**Canal
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COVID Response & Security Update

Larry Mallory

Sr. Director Physical Security & Crisis Management

Kenneth Carnes

VP Critical Secure Services & Chief Information Security Officer

July 28, 2020

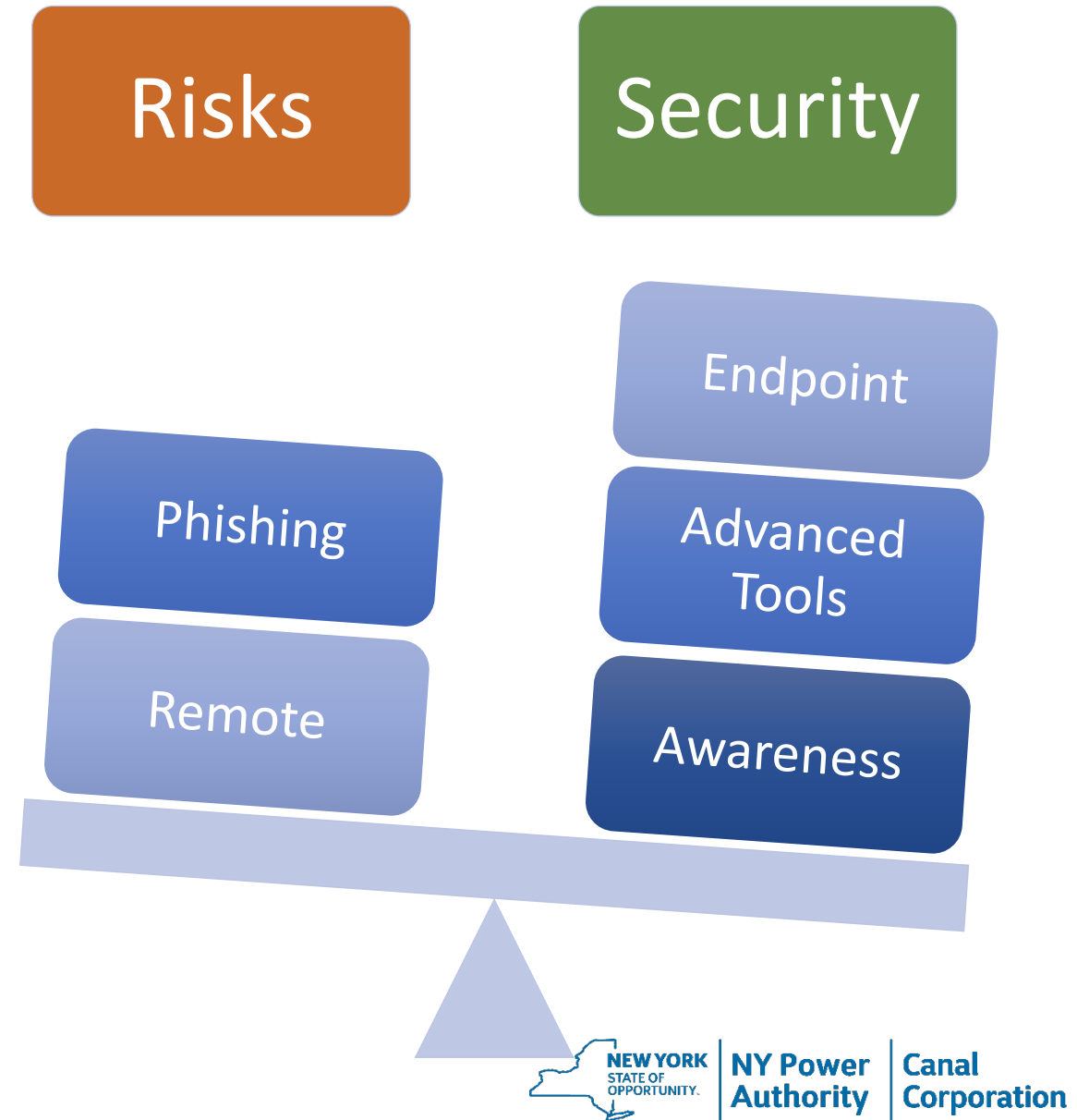
COVID-19 NYS Response



Anthony Wayne COVID Testing Site - NYPA Drone Photo

- DOL Call Center Support: 75 Employees over 46 Days
- NYS Contact Tracers: 60 Employees (Ongoing)
- Anthony Wayne Site: 3 Employees (Ongoing > 140 days). Greater than 28,000 COVID Tests Completed.
- NYS DHSES Office of Emergency Operations Center / Essential Support Function 1 Transportation Support:
 - 53 Employees
 - 124 Days Contiguous days onsite
 - Hundreds of moves to deliver PPE, ventilators, generators, traffic control devices & critical equipment throughout the state.
 - Provided Warehouse Support
 - Leadership Role in *Specimen-Serology Transportation Task Force (S/STTF)*
 - Shipped > 50,000 critical specimens to Wadsworth Lab.
 - Shipped well over a million test kits to 1156 nursing homes.

COVID-19 Cybersecurity Overview



Industry Leadership



Shaping the Future of Cybersecurity and Digital Trust

Cyber Resilience in the Electricity Ecosystem: Playbook for Boards and Cybersecurity Officers

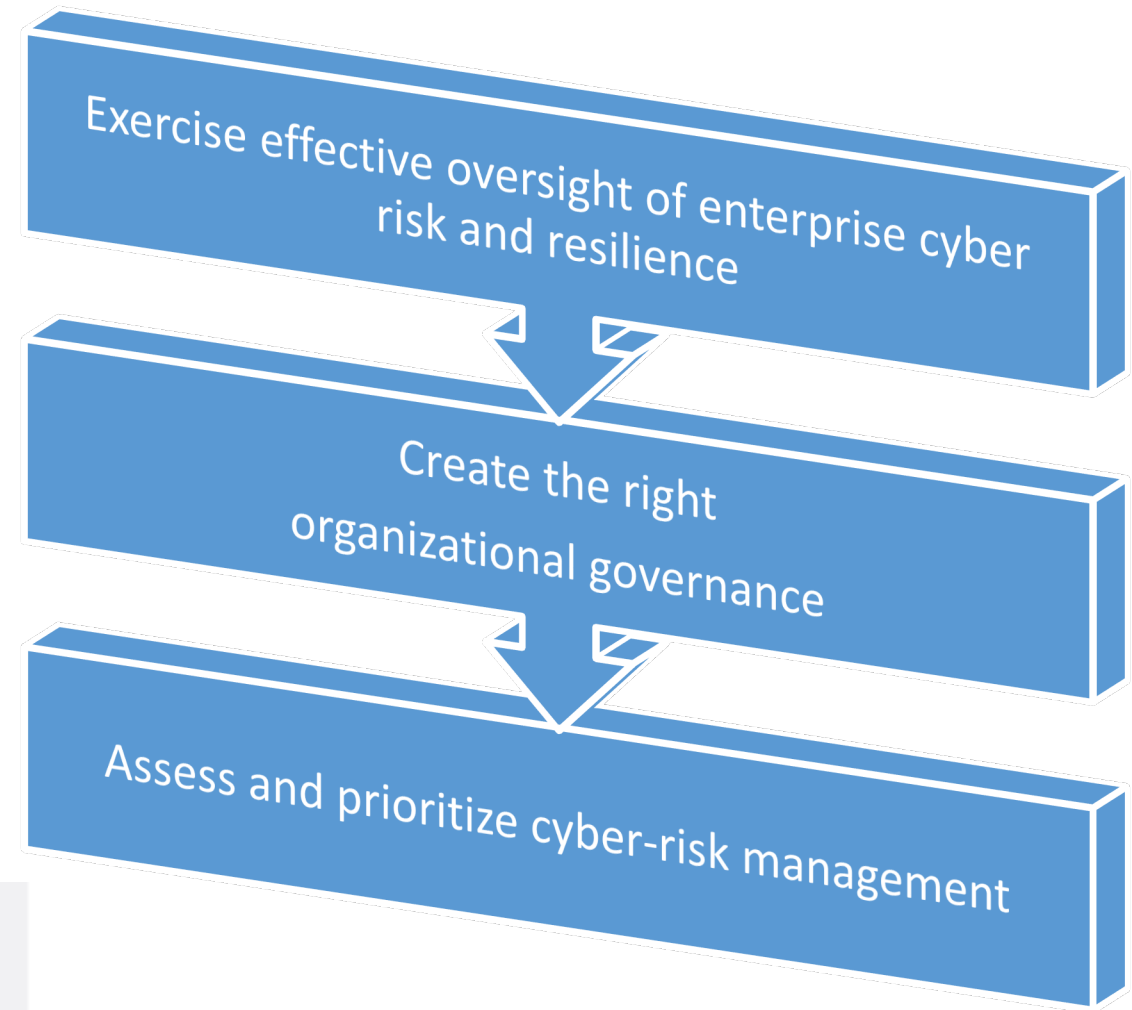
In collaboration with Accenture and the Electricity Industry Community

June 2020

USE CASE: New York Power Authority

Implementing the principles to improve the active management of cybersecurity and resilience

The New York Power Authority (NYPA) focuses on security and resilience, implementing board principles through monitoring and implementing the toolkit for cyber resilience in the electricity sector. The NYPA has strong board engagement on the critical role the organization plays in New York State and an understanding of how security and resilience of the services provided need clear emphasis.



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January 26, 2021

Next Meeting

The next regular meeting of the Cyber & Physical Security Committee will be held on Tuesday, July 27, 2021 at a time to be determined.