

2022 Annual Security Conference

Wednesday, October 5, 2022 | 8:00 a.m. to 4:30 p.m. Central

*MRO Corporate Offices, King Conference Center
St. Paul, MN 55102
& Webex*



**MIDWEST
RELIABILITY
ORGANIZATION**

380 St. Peter St, Suite 800
Saint Paul, MN 55102
651-855-1760
www.MRO.net

LOGISTICS

WebEx Login

If any help is needed logging into WebEx please reach out to Rebecca Schneider at rebecca.schneider@mro.net or outreach@mro.net.

Audio & Video Recording

Participants will be muted upon entry and will not be able to unmute themselves to speak. Please note that Midwest Reliability Organization (MRO) may make a video and/or an audio recording of this event for the purposes of making this information available to board members, members, stakeholders and the general public who are unable to attend the meeting in person.

Questions

If you have questions for a speaker, please utilize WebEx's chat feature. Please submit all questions to "MRO Host". If we are unable to get all questions asked/answered during the conference, a response will be provided after the conference either directly to the requestor or through another form of outreach.

Presentations

The presentations and recordings from today's conference that can be provided will be made available in the near future.

Feedback

Your feedback is very important to us. Please utilize the survey link at the end of this packet to provide your feedback.

Certificate of Attendance

If you would like to request a certificate of attendance for today's conference, please send your request to Lauren McClary at lauren.mcclary@mro.net.



HOSPITALITY ITEMS

Breakfast

A hot breakfast will be available from 8:00 a.m. to 9:00 a.m. in the conference center lounge. If you have any dietary restrictions, please see the registration desk or the server in the lounge.

Beverages

Hot and cold beverages will be available in the conference center, please help yourself.

Lunch

A lunch buffet will be provided. If you have any dietary restrictions, please see the registration desk or the server in the lounge. Please follow the emcee's instructions for dismissal to lunch.

Restrooms

Restrooms are located outside of the conference center, as well as on floor seven. If you choose to use a restroom on another floor, please take the elevators. The staircases only provides exit access on the first floor of the building.

First Aid

There is a first aid kit at the front desk in the reception area should you need medical or first aid supplies.

Conference Etiquette

As a courtesy to presenters and conference participants, please:

- Silence all of your electronic devices prior to sessions.
- Please defer to speakers' preferences for questions and wait for a microphone so those attending by web can hear.
- Be seated prior to the beginning of each session.

Name Badges

Please wear your name badge at all times.

Conference Evaluation

Your feedback is appreciated; a QR code is included in this packet.

Luggage

Storage for any size travel luggage is available in MRO's lobby by the registration desk. Please ask MRO staff for assistance.

Lost and Found

An MRO representative will always be in the meeting room; however, personal belongings are left at your own risk. If you find or lose an item, please visit the registration desk. After the conference, please contact Lauren McClary at: lauren.mcclary@mro.net

Power and WiFi

Power will be supplied at the tables. Please refrain from plugging into floor outlets to minimize the hazard from tripping. MRO's guest WiFi password can be found on the table.

Photographs

MRO may take videos or photos at its events for use on the MRO website or in MRO publications or other media produced by MRO. MRO reserves the right to use any image taken at any event sponsored by MRO, without the express written permission of those individuals included within the photograph and/or video.

To ensure the privacy of conference attendees, images will not be identified using names or personal identifying information without the express written approval from the individual shown. If you do not wish to have your image taken for future publication, please notify MRO event staff. By participating in this MRO event or by failing to notify MRO of your desire to not have your image taken by MRO, you are agreeing to allow MRO to use your image as described.



AGENDA

Wednesday, October 5, 2022 | 8:00 a.m. to 4:30 p.m. Central

8:00 a.m.- 9:00 a.m.	Breakfast & Networking
9:00 a.m. – 9:05 a.m.	Conference Welcome <i>Steen Fjalstad, Director of Security, MRO</i> <i>Cris Zimmerman, Manager, Outreach & Stakeholder Engagement, MRO</i>
9:05 a.m. – 9:10 a.m.	MRO SAC Welcome and Emcee <i>Jason Nations, Director of Enterprise Security, OGE Energy Corp</i>
9:10 a.m. – 9:20 a.m.	President and CEO Remarks <i>Sara Patrick, President and CEO, MRO</i>
9:20 a.m. – 9:35 a.m.	Executive Point of View – Importance of Technology & Security <i>Jeremy Anderson, VP & CIO, Sunflower Electric Power Corporation</i>
9:35 a.m. – 10:45 a.m.	Conference Keynote – Infrastructure Security <i>Ira Winkler, CISSP, President, Secure Mentem</i>
10:45 a.m. – 11:05 a.m.	Morning Break
11:05 a.m. – 12:00 p.m.	Intelligence/Governmental Geopolitical Panel <i>Moderator: Tony Eddleman, Director of NERC Reliability Compliance, NPPD</i> <i>Jennifer Flandermeyer, Director, Federal Affairs, Evergy</i> <i>John Rhea, Vice President, Chief Ethics and Compliance Officer, Ameren</i> <i>Brett Lawler, Senior Threat Intelligence Consultant, Xcel Energy</i>
12:00 p.m. – 1:00 p.m.	Lunch & Networking
1:00 p.m. – 1:40 p.m.	Cyber Attack Emulation and Purple Teaming <i>Ian Anderson, Enterprise Security Manager, OGE Energy Corp</i>
1:40 p.m. – 2:00 p.m.	Afternoon Break 1
2:00 p.m. – 2:50 p.m.	ICS/Operational/SCADA Security in Remote Areas, Wind, Solar, Batteries <i>Moderator: Cris Zimmerman, Mgr. Outreach & Stakeholder Engagement, MRO</i> <i>Norma Browne, Reliability Standards Compliance Manager, Ameren</i> <i>Mark Tiemeier, Principal Technical Advisor, MRO</i> <i>Keith Jones, Director of Security, RWE Americas Inc.</i>
2:50 p.m. – 3:10 p.m.	Afternoon Break 2
3:10 p.m. – 4:10 p.m.	Physical: Extreme Weather as a Physical Threat <i>Andrew Bochman, Senior Grid Strategist, National & Homeland Security, Idaho National Laboratory</i>
4:10 p.m. – 4:30 p.m.	SAC Closing <i>Steen Fjalstad, MRO</i> <i>Clayton Whitacre, Great River Energy</i> <i>Jason Nations, OGE Energy Corp</i>



SPEAKER BIOGRAPHIES

Wednesday, October 5, 2022 | 8:00 a.m. to 4:30 p.m.



Andy Bochman

Senior Grid Strategist, National & Homeland Security, Idaho National Laboratory

Andy Bochman is the Senior Grid Strategist for Idaho National Laboratory's National and Homeland Security directorate. In this role, Mr. Bochman provides strategic guidance on topics at the intersection of grid security and resilience to N&HS leadership as well as senior U.S. and international government and industry leaders.

A frequent speaker, writer, trainer and standards developer, Mr. Bochman has provided analysis on electric grid and energy sector infrastructure security actions, standards, and gaps to the Department of Energy, Department of Defense, Federal Energy Regulatory Commission (FERC), North American Electric Reliability Corporation (NERC), National Institute of Standards and Technology (NIST), National Association of Regulatory Utility Commissioners (NARUC), the Electricity Subsector Coordinating Council (ESCC), and state utility commissions. Teaming with DOE, NARUC, and other US and international partners, Andy has cyber-trained grid operators and regulators in half a dozen Central and Eastern European countries and more than half of the US states.

Andy has testified before the U.S. Senate Energy and Natural Resources Committee on energy infrastructure cybersecurity issues and before FERC on the security readiness of smart grid cybersecurity standards. He has also held recurring conversations on grid security matters with the Senate Select Committee on Intelligence (SSCI) and the National Security Council (NSC).

His papers and articles include "Plotting a More Confident Course: Rethinking Oversight of the Electric Sector and Critical Infrastructure Cybersecurity" (The Heritage Foundation), "The National Security Case for Simplicity in Energy Infrastructure" (CSIS), "IoT, Automation, Autonomy and Megacities in 2025: A Dark Preview" (CSIS), "The Missing Chief Security Officer" (CXO) and "The End of Cybersecurity" (HBR), and "Supply Chain in the Software Era" (Atlantic Council).

Mr. Bochman is a cybersecurity subject matter expert listed with the U.S. State Department Speakers Bureau. Prior to joining INL, he was the Global Energy & Utilities Security Lead at IBM and a Senior Advisor at the Chertoff Group in Washington, DC.

Mr. Bochman received a bachelor of science degree from the U.S. Air Force Academy and a master of arts degree from the Harvard University Extension School.





Brett Lawler

Senior Threat Intelligence Consultant, Xcel Energy, SAC Member and SACTF Chair

Brett Lawler is a Senior Threat Intelligence Consultant for Xcel Energy, a large Midwest utility company serving millions of customers in 8 states. In his current role, Brett is responsible for detecting and evaluating physical and cyber security threats, protective intelligence, as well as managing overall risks to the enterprise.

Prior to joining the energy sector, Brett worked in Law Enforcement for over 10 years serving as a Patrol Officer, Use of Force Instructor and Firearms Instructor. Brett was also in charge of hiring and training for Security at the Mall of America, the nation's largest retail and entertainment complex. He currently serves as Vice-President for the Minnesota Chapter of InfraGard and Chair of the Threat Forum for the Midwest Reliability Organization (MRO). Brett has a BA in Criminal Justice from the University of St. Thomas.



Clayton Whitacre

Senior Systems Analyst, Great River Energy

Clayton Whitacre is a Senior Systems Analyst at Great River Energy, a generation and transmission cooperative headquartered in Maple Grove, MN. In this role, he specializes in utility application software design, implementation, security, and operation. Before his role at Great River Energy, he was a Software Engineer at Siemens where he installed and supported energy management SCADA systems throughout the U.S. and internationally.

Clayton is the current Chairman of the MRO Security Advisory Council and is an active member in various other industry security groups.

He is currently pursuing his master's degree in security technologies from the University of Minnesota – Technological Leadership Institute and holds a BS in computer science from the University of Minnesota – Twin Cities.





Cris Zimmerman

Manager of Outreach and Stakeholder Engagement, MRO

Cris Zimmerman is the Manager, Outreach and Stakeholder Engagement for Midwest Reliability Organization (MRO). Cris has been in the newly-created Outreach Manager role since May of 2022. Prior to MRO, Cris was with Xcel Energy for 31 years, where he held several management positions. In his most recent role with Xcel Energy, he was Director, Operations Technical Training. Cris's experience has spanned many sectors of the electric utility industry including nuclear, coal, gas, wind, solar power production, environmental services, and electric transmission and distribution. The majority of his time was spent supporting technical, compliance and safety training.

Cris holds a bachelor of science degree in Education from Plymouth State University and a Mini MBA for Environmental Professionals from the University of St. Thomas. Cris has also held certifications as a nationally certified Emergency Medical Technician (EMT) and State of Minnesota Certified Firefighter II. Cris spent seven years as an on-call firefighter/EMT for the city of Woodbury, MN.



Ian Anderson

Senior Manager of Enterprise Security and Monitoring, OGE Energy Corp.

Ian Anderson is a Senior Manager of Enterprise Security and Monitoring for OGE Energy Corp, the parent company of Oklahoma Gas & Electric, an investor-owned electric utility headquartered in Oklahoma City, Oklahoma. Ian has experience in government, energy, financial, and manufacturing industries. Ian has a bachelor's degree in Management of Information Systems and a Master's in Public Administration, both from the University of Oklahoma. Ian also currently maintains various cybersecurity-related certifications.





Ira Winkler

President of Secure Mentem

Ira Winkler, CISSP is President of Secure Mentem. He is considered one of the world's most influential security professionals, and has been named a "Modern Day James Bond" by the media. Ira is one of the foremost experts in the human elements of cyber security and is known for the extensive espionage and social engineering simulations that he has conducted for Fortune 500 companies globally. He continues to perform these espionage simulations, as well as assisting organizations in developing cost effective security programs. Ira is a noted speaker, media contributor and author of several books most notably *Spies Among Us*, *Corporate Espionage* and *Zen and the Art of Information Security*. He and his work have been featured in a variety of media outlets including CNN, The Wall St Journal, USA Today, San Francisco Chronicle, Forbes, among other outlets throughout the world.

Winkler began his career at the National Security Agency, where he served as an Intelligence and Computer Systems Analyst. After leaving government service, he went on to serve as President of the Internet Security Advisors Group, Chief Security Strategist at HP Consulting, and Director of Technology of the National Computer Security Association. He has also served on the graduate and undergraduate faculties of the Johns Hopkins University and the University of Maryland. In addition to his security efforts, Winkler is passionate about health and wellness and has over the past several years and is certified as a Master Scuba Diver Trainer, P90X Certified Instructor and Insanity Certified Instructor.



Jason Nations

Director of Enterprise Security, OGE Energy Corp.

Jason Nations is Director of Enterprise Security at OGE Energy Corp the parent company of OG&E, an investor owned utility headquartered in Oklahoma City, Oklahoma. He has extensive experience across multiple industries including energy, government and healthcare. In his current role, he oversees all cybersecurity efforts including both OT and IT. Jason started his utility career as part of OG&E's award-winning Smart Grid deployment. He has a BA and MS from Baylor University as well as several industry certifications.





Jennifer Flandermeyer

Director, Federal Affairs, Evergy

As Director, Federal Affairs, Ms. Flandermeyer is focused on federal regulatory activities related to reliability, resilience, and security. While the regulatory actions are primarily with FERC and NERC, because the advocacy role is dedicated to reliability, security and resilience, the role continues to broaden as Evergy engages other departments and agencies of the federal government tasked with critical infrastructure protection.

In 1999, she joined Evergy bringing with her several years of finance and accounting experience coupled with knowledge of the energy industry. Since joining the company, she has held positions in Internal Audit and led the Strategic Business Planning and Financial Management in Delivery (T&D) Operations. In 2009, she accepted the opportunity to lead the company's FERC and NERC compliance team responsible for the company-wide regulatory compliance function establishing a new program for the company. The program was eventually expanded to include additional regulatory bodies and functions. In 2015, she was promoted to her current role to focus on strategy and policy advocacy for federal affairs.

Ms. Flandermeyer holds a bachelor of science degree in Accountancy from William Jewell College, a master's degree in Business Administration from Rockhurst University and certifications in Risk Management as well as Compliance and Ethics. Ms. Flandermeyer serves as a Director for the Midwest Reliability Organization. She serves in several roles on NERC Committees, including the Vice Chair of the NERC Member Representatives Committee. Ms. Flandermeyer is active in the industry serving in roles for several organizations including Southwest Power Pool's Reliability Compliance Advisory Group and the North American Transmission Forum Risk, Controls and Compliance Practices Group.





Jeremy Anderson

Vice President and Chief Information Officer, Sunflower Electric Power Corporation

Jeremy currently serves as Sunflower Electric Power Corporation's Vice President and Chief Information Officer. Jeremy and his team support Sunflower's end to end information technology through architecture, systems delivery, infrastructure services, control systems enablement, security, telecommunications, and vendor/contract management. Prior to joining Sunflower, Jeremy worked within the telecommunications industry for 27 years and held multiple executive/officer level positions within the information technology discipline. He holds a bachelor's and master's degree in business administration.



John Rhea

Vice President, Chief Ethics & Compliance Officer, Ameren

John leads Ameren's enterprise ethics and compliance program to help ensure adherence to all applicable laws and regulations and to reinforce Ameren's culture of Integrity with a focus on preventing and detecting ethical misconduct while encouraging and expecting co-workers to speak up. John is also responsible for developing Ameren's enterprise governance structure to facilitate consistent and effective enterprise policies and procedures including records management policy oversight. He also serves in the role of Privacy Officer for Ameren.





Mark Tiemeier

Principal Technical Advisor, Midwest Reliability Organization

Mr. Tiemeier joined Midwest Reliability Organization (MRO) in July 2022 as Principal Technical Advisor. Prior to joining MRO, Mr. Tiemeier worked for 15 years at Xcel Energy and two years at Midcontinent Independent System Operator (MISO), both in Transmission System Operations.

While at Xcel Energy, Mr. Tiemeier held engineering and supervisory roles. As an engineer, he gained experience conducting dynamic stability analysis, evaluating system events, championing use of ambient-adjusted ratings, and maintaining Northern States Power's Power System Restoration plan. Mr. Tiemeier supervised nineteen system operators responsible for real-time operation of a system with a peak load of 9500 megawatts. In that role, he developed performance metrics for Energy Management System (EMS) network applications, championed development of standardized operating procedures, and led the operational transition to a new EMS.

Mr. Tiemeier earned a Bachelor of Science degree in Electrical Engineering from Iowa State University. He also holds a Master's of Business Administration from the University of St. Thomas.



Norma Browne

Reliability Standards Compliance Manager, Ameren

Norma Browne has been with Ameren Corporate Security for over 25 years. She is currently the Corporate Security Reliability Standards Compliance Manager and previously held the positions of Corporate Security Supervisor, Physical Security Installation Coordinator and Security Investigator. Norma has responsibility for Ameren's two permanent Security Operations Centers which monitor nearly 500 Ameren locations in three states.

Prior to joining Ameren, Norma served as a law enforcement officer with the St. Louis County Police Department. In addition to her degree in Criminal Justice, Norma also earned a Master's Degree in Business Administration and a Bachelor of Arts in Human Resources Management.

Norma is an FBI Citizen's Academy Alumnus, is a member of the EEI Security Committee Leadership Team, and sits on the Electricity Information Sharing and Analysis Center's (E-ISAC) Physical Security Advisory Group (PSAG) which developed the Design Basis Threat (DBT) tool for the physical Infrastructure of the Bulk Electric System. Norma is the Vice-Chair of the SERC CIPC Physical Security Subcommittee.





Sara Patrick

President and CEO, Midwest Reliability Organization

Sara Patrick joined MRO in August 2008 as Director Regulatory Affairs and Enforcement and was promoted to Vice President Enforcement and Regulatory Affairs soon after. In 2016 she became the Vice President Compliance Monitoring and Regulatory Affairs, and in June 2018 the MRO Board of Directors named Patrick President and CEO.

Prior to joining MRO, she served as the Director of Government Affairs for Explore Information Services, LLC, a leading service provider to the property and casualty insurance industry. Patrick also served as an Assistant Attorney General for the State of Arizona under both the administration of Janet Napolitano (D) and Grant Woods (R).

Patrick is a graduate of the Lee Honors College of Western Michigan University in Kalamazoo, MI and received her doctor of jurisprudence (J.D.) from the Indiana University School of Law in Bloomington, IN. She is licensed to practice law in Minnesota and Arizona, and is a Certified Information Privacy Professional, Certified Compliance and Ethics Professional, and a member of the Energy Bar Association. Additionally, she completed the University of Idaho Utility Executive Course in June 2013.



Steen Fjalstad

Director of Security, MRO

Steen Fjalstad is Director of Security at Midwest Reliability Organization (MRO) and is part of the Critical Infrastructure Protection team helping to secure the North American Electric Grid ('the Grid'). He oversees MRO's efforts to share information and mitigate both physical and cyber security threats and vulnerabilities to the Grid - working closely with industry partners, local, state, and federal agencies, and other critical infrastructure sectors. In his thirteen years with MRO, Steen has supported the security work of numerous utility organizations, helping those entities become more aware of and reduce security risk to their individual systems. Prior to joining MRO, Steen obtained significant experience securing, designing, implementing, and auditing technology systems. Steen has served over two-hundred different organizations spanning three continents. He holds a Master's degree from the University of Minnesota-Twin Cities in Security Technologies and a Bachelor's degree from the University of Wisconsin-Whitewater in Management Computer Systems.





Tony Eddleman

Director of NERC Reliability Compliance, Nebraska Public Power District

Tony Eddleman has been with NPPD since 1996 at the Doniphan Control Center. Working in various engineering and supervisory roles, he currently is NPPD's primary compliance contact for NERC Reliability Standards. Tony has been in this position since October 2009 and has successfully led the District through four on-site compliance audits (Operations & Planning and CIP). Prior to compliance, Tony worked as the System Control Technology Supervisor where he managed the Energy Management System (EMS) operation and completed two major upgrade projects. He led the District's efforts for the initial implementation of the CIP Cyber Security Standards. Tony started his career with NPPD as a Network Applications Engineer and served in that position for approximately three years. Prior to joining NPPD, he worked as an electrical design engineer, operations engineer, environmental engineer, and power plant operator in the United States Air Force. He retired from the Air Force at the rank of Major. He received a Bachelor of Electrical Engineering from Auburn University and is a licensed, professional electrical engineer in the states of Nebraska and Illinois.

Tony is the current chair of the NERC CIPC Supply Chain Working Group (SCWG). He is a member of the MRO Security Advisory Council (SAC), the Southwest Power Pool (SPP) Reliability Compliance Working Group (RCWG), the Reliability Team of the Large Public Power Council (LPPC) and the North American Transmission Forum (NATF) Supply Chain Steering Team.



MRO DISCLAIMER

Midwest Reliability Organization (MRO) is committed to providing outreach, training, and non-binding guidance to industry stakeholders on important industry topics. Subject Matter Experts (SMEs) from MRO's organizational groups and the industry may develop materials, including presentations, provided as a part of the event. The views expressed in the event materials are those of the SMEs and do not necessarily express the opinions and views of MRO.



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Great River Energy

Michael Meason, Vice Chair
Western Farmers Electric Cooperative

Brett Lawler
Xcel Energy

Chad Wasinger
Sunflower Electric Power Corporation

Daniel Graham
Basin Electric Power Cooperative

Douglas Peterchuck
Omaha Public Power District

Jamey Sample
Xcel Energy

Jason Nations
Oklahoma Gas and Electric

Justin Haar
Minnkota Power Cooperative

Laura Liston
Alliant Energy

Matt Szyda
Manitoba Hydro

Norma Browne
Ameren

Sam Ellis
Southwest Power Pool Inc.

Tim Anderson
Dairyland Power Cooperative

Tony Eddleman
Nebraska Public Power District

MRO Staff

Steen Fjalstad
Director of Security

Cris Zimmerman
Manager of Outreach and Stakeholder
Engagement

Rebecca Schneider
Reliability Analysis Administrator

Lisa Stellmaker
Executive Administrator

Lauren Mcclary
Meeting Planner/Receptionist

Carolina Margaria
Executive Administrative Assistant

Michelle Olson
Compliance Monitoring Administrator

Kendra Buesgens
Risk Assessment and Mitigation Administrator

MRO Security Advisory Council Threat Forum

Brett Lawler, Chair
Xcel Energy

David Johnson
Oklahoma Gas and Electric

Paul Neman
MISO



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