

ENERGY TRANSITION SUMMIT

Grid Modernization Initiative and Clean Energy Cybersecurity

FEBRUARY 5-8, 2024 | ARLINGTON, VA

DAY 1 | MONDAY, FEBRUARY 5

TIME	TITLE
8:30 a.m. - 5:00 p.m.	Registration and Badge Pickup Arlington Foyer
1:00 p.m.	Distributed Energy Resources and Clean Energy Cyber Threat Brief 1:00 - 2:00 p.m. Salon 3 & 4
2:00 p.m.	Cloud Adoption Profiles 2:00 - 3:00 p.m. Salon 3 & 4
3:00 p.m.	Networking Break
	National Association of Regulatory Utility Commissioners; Cyber Baselines Engagement 3:30 -4:00 p.m. Salon 3 & 4
4:00 p.m.	Rural and Municipal Utility Cybersecurity 4:00 -4:30 p.m. Salon 3 & 4
	Workforce Development 4:30 -5:30 p.m. Salon 3 & 4
5:00 p.m.	

DAY 2 | TUESDAY, FEBRUARY 6

TIME	TITLE
8:00 a.m. - 5:00 p.m.	Registration and Badge Pickup Arlington Foyer
9:00 - 10:00 a.m.	Opening Plenary Salon 3 & 4 Framing the Energy Transition: Challenges and Opportunities
10:00 - 11:00 a.m.	DOE's Vision for a Modern Grid
11:00 a.m. - 12:00 p.m.	Market Solutions to Advance the Grid Transition
12:00 p.m.	Lunch
1:00 p.m.	
2:00 p.m.	Grid Modernization Initiative (GMI): Devices and Integrated Systems 1:15 - 3:00 p.m. Salon 1 & 2
	The Chief Information Security Officer (CISO) Role in a Renewable and Distributed Future 1:30 - 3:00 p.m. Salon 3 & 4
	Cybersecurity for Inverter-Based Resources 1:30 - 3:00 p.m. Salon 6
	How Artificial Intelligence May Help and Hinder the Secure Energy Transition 1:30 - 3:30 p.m. Salon 5
3:00 p.m.	Networking Break Salon 1, 2, 3, 4 & 6
4:00 p.m.	GMI: Flexible Generation and Load 3:30 - 5:15 p.m. Salon 1 & 2
	Secure Cloud Adoption for Future Energy Systems 3:30 - 5:00 p.m. Salon 3 & 4
	Cyber Incident Response, Reporting, and Restoration in a Clean Energy Future 3:30 - 5:00 p.m. Salon 6
	Principles for Cybersecurity Risk Management in the Energy Sector 3:30 - 4:30 p.m. Salon 5
5:00 p.m.	
	Securing Solar for the Grid (S2G) Overview 4:30 - 5:30 p.m. Salon 5
5:30 - 6:30 p.m.	Evening Reception Arlington Foyer <i>Appetizers will be provided</i>

AGENDA

ENERGY TRANSITION SUMMIT

Grid Modernization Initiative and Clean Energy Cybersecurity

FEBRUARY 5-8, 2024 | ARLINGTON, VA

DAY 3 | WEDNESDAY, FEBRUARY 7

TIME	TITLE			
7:30 a.m. - 5:00 p.m.	Registration and Badge Pickup Arlington Foyer			
8:00 a.m.	GMI: Resilient and Secure Systems 8:00 - 9:45 a.m. Salon 1 & 2	Keynote 8:00 - 8:15 a.m. Salon 3 & 4 Cybersecurity's Role in a Resilient Clean Energy Future 8:15 - 9:00 a.m. Salon 3 & 4		
9:00 a.m.		The Role of Cyber Regulation and Standards for the Energy Transition 9:00 - 10:30 a.m. Salon 3 & 4	Engineering Cyber Defense into the Clean Energy Transition 9:00 - 10:30 a.m. Salon 6	ICScape: Solar, Wind, and Fire Cyber Escape Room 9:00 - 10:30 a.m. Salon 5
10:00 a.m.	Networking Break			
11:00 a.m.	GMI: Markets, Policies, and Regulations 10:15 a.m. - 12:00 p.m. Salon 1 & 2	Artificial Intelligence for the Energy Transition 10:30 a.m. - 12:00 p.m. Salon 3 & 4	Open Coordination and Information Sharing at Scale 10:30 a.m. - 12:00 p.m. Salon 6	ICScape: Solar, Wind, and Fire Cyber Escape Room 10:30 a.m. - 12:00 p.m. Salon 5
12:00 - 1:30 p.m.				
2:00 p.m.	GMI: Operations 1:15 - 3:00 p.m. Salon 1 & 2	Proactively Quantifying Cyber Risk 1:30 - 3:00 p.m. Salon 3 & 4	Cybersecurity for Grid Edge Controllable Loads 1:30 - 3:00 p.m. Salon 6	ICScape: Solar, Wind, and Fire Cyber Escape Room 1:30 - 3:00 p.m. Salon 5
3:00 p.m.				
4:00 p.m.	GMI: Planning 3:30 - 5:15 p.m. Salon 1 & 2	Charging Ahead: Securing the Nation's Electric Vehicle Infrastructure 3:30 - 5:00 p.m. Salon 3 & 4	Contracting and Legal Trends of Cybersecurity for the Energy Transition 3:30 - 5:00 p.m. Salon 6	—Executive Session— ICScape: Solar, Wind, and Fire Cyber Escape Room 3:30 - 5:00 p.m. Salon 5
5:00 p.m.				
5:30 - 6:30 p.m.	Evening Reception Arlington Foyer <i>Appetizers will be provided</i>			

AGENDA

ENERGY TRANSITION SUMMIT

Grid Modernization Initiative and Clean Energy Cybersecurity

DAY 4 | THURSDAY, FEBRUARY 8

TIME	TITLE	
7:30 - 8:00 a.m.	Registration and Badge Pickup Arlington Foyer	
8:00 a.m.	All GMI Pillars Synergy Discussion 8:00 a.m. - 12:30 p.m. Salon 1 & 2	
9:00 a.m.		Scaling to Secure the Clean Energy Transition through Cyber Defense Exercises 8:00 - 9:30 a.m. Salon 3
10:00 a.m.		Clean Energy Security Coalition 9:30 - 11:00 a.m. Salon 3
11:00 a.m.		Strategizing Responsible Cloud Integration in the Electric Grid: Frameworks, Testbed Infrastructure and Industrial Engagement 11:00 a.m. - 12:30 p.m. Salon 3
12:00 p.m.		Fortifying Energy Storage: Cybersecurity, Supply Chain, and Incident Management in a Dynamic World 8:00 - 9:30 a.m. Salon 4
1:00 - 5:00 p.m.		CyberStrike: STORMCLOUD Exercise 8:00 - 12:30 p.m. Salon 5
	Cyber Situational Awareness for a More Interconnected Distributed Grid 8:00 - 9:30 a.m. Salon 6	
	Building the Bench: Preparing the Cyber Workforce 9:30 - 11:00 a.m. Salon 6	
	Where Climate Policy and Cybersecurity Meet 11:00 a.m. - 12:30 p.m. Salon 6	
1:00 - 5:00 p.m.	Renewable Energy and Storage Cybersecurity Research (RESCue) - Annual Workshop Salon 6	
5:00 p.m.	Conference End	

AGENDA

ENERGY TRANSITION SUMMIT

Grid Modernization Initiative and Clean Energy Cybersecurity

DAY 1 | MONDAY, FEBRUARY 5

Distributed Energy Resources and Clean Energy Cyber Threat Brief

1:00 - 2:00 p.m. | Salon 3 & 4

Megan Culler, Idaho National Laboratory; **Emma Stewart**, Idaho National Laboratory

Cloud Adoption Profiles

2:00 - 3:00 p.m. | Salon 3 & 4

James Briones, DOE Grid Deployment Office; **Emma Stewart**, Idaho National Laboratory; **Julia Morgan**, Idaho National Laboratory

CyberStrike: Stormcloud Exercise

2:00 - 5:00 p.m. | Salon 6

Megan Culler, Idaho National Laboratory; **Dan Noyes**, Idaho National Laboratory

National Association of Regulatory Utility Commissioners; Cyber Baselines Engagement

3:30 - 4:00 p.m. | Salon 3 & 4

Joe Quinn, DOE Office of Cybersecurity, Energy Security, and Emergency Response

Rural and Municipal Utility Cybersecurity

4:00 - 4:30 p.m. | Salon 3 & 4

Cynthia Hsu, DOE Office of Cybersecurity, Energy Security, and Emergency Response

Workforce Development

4:30 - 5:30 p.m. | Salon 3 & 4

Cynthia Hsu, DOE Office of Cybersecurity, Energy Security, and Emergency Response

OPENING PLENARY

Framing the Energy Transition: Challenges and Opportunities

9:00 - 10:00 a.m. | Salon 3 & 4

*The opening plenary session will kick off with keynote speakers from **Congress**, the **White House Office of the National Cyber Director**, the **White House Office of Science and Technology Policy**, and **DOE leadership**.*

DOE's Vision for a Modern Grid

10:00 - 11:00 a.m. | Salon 3 & 4

Susan Tierney, Resources for the Future; **Gene Rodrigues**, DOE Office of Electricity;
Jeff Marootian, DOE Office of Energy Efficiency and Renewable Energy; **Brad Crabtree**, DOE Office of Fossil Energy and Carbon Management;
Maria Robinson, DOE Grid Deployment Office; **Puesh Kumar**, DOE Office of Cybersecurity, Energy Security, and Emergency Response

Market Solutions to Advance the Grid Transition

11:00 a.m. - 12:00 p.m. | Salon 3 & 4

Shalanda Baker, DOE Office of Energy Justice and Equity; **Marissa Hummon**, Utilidata; **John Franzino**, GridSecurity;
Frank Prager, Xcel; **Lidija Sekaric**, National Rural Electric Cooperative Association; **Colette Honorable**, Exelon

Grid Modernization Initiative (GMI): Devices and Integrated Systems

1:15 - 3:00 p.m. | Salon 1 & 2

Joe Hoagland, Tennessee Valley Authority; **Jim LeBlanc**, General Electric; **Clifton Black**, Southern Company;
Juan Castenda, Southern California Edison

The Chief Information Security Officer (CISO) Role in a Renewable and Distributed Future

1:30 - 3:00 p.m. | Salon 3 & 4

Brian Barrios, Southern California Edison; **Brian Harrell**, Avangrid; **Teza Mukkavilli**, Charge Point; **Adam Lee**, Dominion

Cybersecurity for Inverter-Based Resources

1:30 - 3:00 p.m. | Salon 6

Tom Tansy, Sunspec; **Marissa Morales-Rodriguez**, DOE Office of Energy Efficiency and Renewable Energy;
Dan Arnold, Lawrence Berkeley National Laboratory

How Artificial Intelligence May Help and Hinder the Secure Energy Transition

1:30 - 3:30 p.m. | Salon 5

Andy Bochman, Idaho National Laboratory; **Colin Ponce**, Lawrence Livermore National Laboratory; **Chris Lamb**, Sandia National Laboratories

GMI: Flexible Generation and Load

3:30 - 5:15 p.m. | Salon 1 & 2

Ning Kang, Idaho National Laboratory; **Debbie Lew**, Energy Systems Integration Group; **Aidan Tuohy**, Electric Power Research Institute;
Uuganbayar Otgonbaatar, Constellation; **Clyde Loutan**, California Independent System Operator

Secure Cloud Adoption for Future Energy Systems

3:30 - 5:00 p.m. | Salon 3 & 4

Samara Moore, Amazon Web Services; **Kal Ayoub**, Federal Energy Regulatory Commission; **James Briones**, DOE Grid Deployment Office



Cyber Incident Response, Reporting, and Restoration in a Clean Energy Future

3:30 - 5:00 p.m. | Salon 6

Keith Rose, Operant Networks; **Matt Duncan**, North American Electric Reliability Corporation and Electricity Information Sharing and Analysis Center; **Matt Tarduogno**, DOE Office of Cybersecurity, Energy Security, and Emergency Response; **Jeff Baumgartner**, Berkshire Hathaway Energy

Principles for Cybersecurity Risk Management in the Energy Sector

3:30 - 4:30 p.m. | Salon 5

Brian Lyttle, Idaho National Laboratory; **Maggie Morganti**, Rockwell Automation; **Megan Samford**, Schneider Electric; **Christopher Strain**, EverBright

Securing Solar for the Grid (S2G) Overview

4:30 - 5:30 p.m. | Salon 5

Jake Gentle, Idaho National Laboratory; **Marissa Morales-Rodriguez**, DOE Office of Energy Efficiency and Renewable Energy

DAY 3 | WEDNESDAY, FEBRUARY 7

Keynote

8:00 - 8:15 a.m. | Salon 3, 4

Keynote: **Anne Neuberger**, National Security Council

Cybersecurity's Role in a Resilient Clean Energy Future

8:15 - 9:00 a.m. | Salon 3, 4

Discussion: **Puesh Kumar**, DOE Office of Cybersecurity, Energy Security, and Emergency Response; **Eric Goldstein**, Cybersecurity and Infrastructure Security Agency

GMI: Resilient and Secure Systems

8:00 - 9:45 a.m. | Salon 1 & 2

Venkat Banunarayanan, National Rural Electric Cooperative Association; **Digaunto Chatterjee**, Eversource Energy; **Stephen Walls**, Hawaii State Energy Office; **David White**, Axio

The Role of Cyber Regulation and Standards for the Energy Transition

9:00 - 10:30 a.m. | Salon 3 & 4

Patrick Miller, Ampere Industrial Security; **Rob Morgus**, Berkshire Hathaway Energy; **Adam Rosenstein**, Enphase Energy; **Alan Herd**, Federal Energy Regulatory Commission; **Richard Dick Brooks**, Reliable Energy Analytics

Engineering Cyber Defense into the Clean Energy Transition

9:00 - 10:30 a.m. | Salon 6

Virginia Ginger Wright, Idaho National Laboratory; **Marc Sachs**, Auburn; **Steven Kunsman**, Hitachi; **Richard Macwan**, National Renewable Energy Laboratory; **Eric Hall**, North Carolina Electric Membership Corporation; **Matt Luallen**, University of Illinois Urbana-Champaign

ICScape: Solar, Wind, and Fire Cyber Escape Room

9:00 - 10:30 a.m. | Salon 5



GMI: Markets, Policies, and Regulations

10:15 a.m. - 12:00 p.m. | Salon 1 & 2

Carl Pechman, National Energy Technology Laboratory; **Danielle Sass Byrnett**, National Association of Regulatory Utility Commissioners
Janice Beecher, Michigan State University; **Tom Wilson**, Electric Power Research Institute

Artificial Intelligence for the Energy Transition

10:30 a.m. - 12:00 p.m. | Salon 3 & 4

Helena Fu, DOE Office of Critical and Emerging Technology; **Harold Booth**, National Institute of Standards Technology;
Phil Trainor, Nozomi; **Dan Arnold**, Lawrence Berkeley National Laboratory

Open Coordination and Information Sharing at Scale

10:30 a.m. - 12:00 p.m. | Salon 6

Frank Honkus, Electricity Information Sharing and Analysis Center

ICScape: Solar, Wind, and Fire Cyber Escape Room

10:30 a.m. - 12:00 p.m. | Salon 5

GMI: Operations

1:15 - 3:00 p.m. | Salon 1 & 2

Mark Lauby, North American Electric Reliability Corporation; **Tim Beach**, Reliability Coordinator West, California Independent System Operator;
Clay Koplín, Cordova Electric; **Mary Ngo**, Pacific Science & Engineering

Proactively Quantifying Cyber Risk

1:30 - 3:00 p.m. | Salon 3 & 4

David White, Axio

Cybersecurity for Grid Edge Controllable Loads

1:30 - 3:00 p.m. | Salon 6

Jon White, National Renewable Energy Laboratory; **Jeremiah Miller**; **Gary Kneeland**, Claroty

ICScape: Solar, Wind, and Fire Cyber Escape Room

1:30 - 3:00 p.m. | Salon 5

GMI: Planning

3:30 - 5:15 p.m. | Salon 1 & 2

Gareth Williams, National Renewable Energy Laboratory; **Morgan Scott**, Electric Power Research Institute;
Stephen Torres, Southern California Edison; **Mark Ahlstrom**, Energy Systems Integration Group and NextEra; **Honghao Zheng**, ComEd

Charging Ahead: Securing the Nation's Electric Vehicle Infrastructure

3:30 - 5:00 p.m. | Salon 3 & 4

Tim Weisenberger, Society of Automotive Engineers; **Swapan Das**, Blink; **Victor Calderon**, Southern California Edison;
Craig Rodine, Sandia National Laboratories



Contracting and Legal Trends of Cybersecurity for the Energy Transition

3:30 - 5:00 p.m. | Salon 6

Evan Wolff, Crowel; **Sharla Artz**, Xcel; **Andrew Wills**, Invenergy; **Shari Gribbin**, CNK Solutions

—Executive Session—

ICScape: Solar, Wind, and Fire Cyber Escape Room

3:30 - 5:00 p.m. | Salon 5

DAY 4 | THURSDAY, FEBRUARY 8

All GMI Pillars Synergy Discussion

8:00 a.m. - 12:30 p.m. | Salon 1 & 2

Scaling to Secure the Clean Energy Transition through Cyber Defense Exercises

8:00 - 9:30 a.m. | Salon 3

Shane McFly, National Renewable Energy Laboratory; **Jeremy Jones**, Idaho National Laboratory; **Alex Waitkus**, Southern Company

Fortifying Energy Storage: Cybersecurity, Supply Chain, and Incident Management in a Dynamic World

8:00 - 9:30 a.m. | Salon 4

Katherine Hutton, Fluence Energy; **Shaun Boggs**, Key Capture Energy; **Navroop Mitter**, ArmorText

CyberStrike: STORMCLOUD Exercise

8:00 a.m. - 12:30 p.m. | Salon 5

Cyber Situational Awareness for a More Interconnected Distributed Grid

8:00 - 9:30 a.m. | Salon 6

Marty Edwards, Tenable; **James Rimensnyder**, Xcel Energy; **David Manz**, Pacific Northwest National Laboratory;
Jacob Morris, Naval Facilities Engineering Systems Command

Clean Energy Security Coalition

9:30 - 11:00 a.m. | Salon 3

Gizelle Wray, Savion; **Shari Gribbin**, CNK Solutions

Cybersecurity Approaches for a Converged Energy Future Deployment

9:30 - 11:00 a.m. | Salon 4

Richard Macwan, National Renewable Energy Laboratory; **Jay Johnson**, DER Security Corp; **Young Ngo**, Survalent; **Tobias Whitney**, Fortress

Building the Bench: Preparing the Cyber Workforce

9:30 - 11:00 a.m. | Salon 6

Tom Van Norman, ICS Village; **Dan Harkness**, Argonne National Laboratory

Strategizing Responsible Cloud Integration in the Electric Grid: Frameworks, Testbed Infrastructure and Industrial Engagement

11:00 a.m. - 12:30 p.m. | Salon 3

Emma Stewart, Idaho National Laboratory; **James Briones**, DOE Grid Deployment Office;
Anthony Wallace, National Renewable Energy Laboratory; **Liang Downt**, Microsoft; **Julie Morgan**, Idaho National Laboratory

The Role of Cyber Certifications and Labeling for the Energy Sector Deployment

11:00 a.m. - 12:30 p.m. | Salon 3

Danish Saleem, National Renewable Energy Laboratory

Where Climate Policy and Cybersecurity Meet

11:00 a.m. - 12:30 p.m. | Salon 6

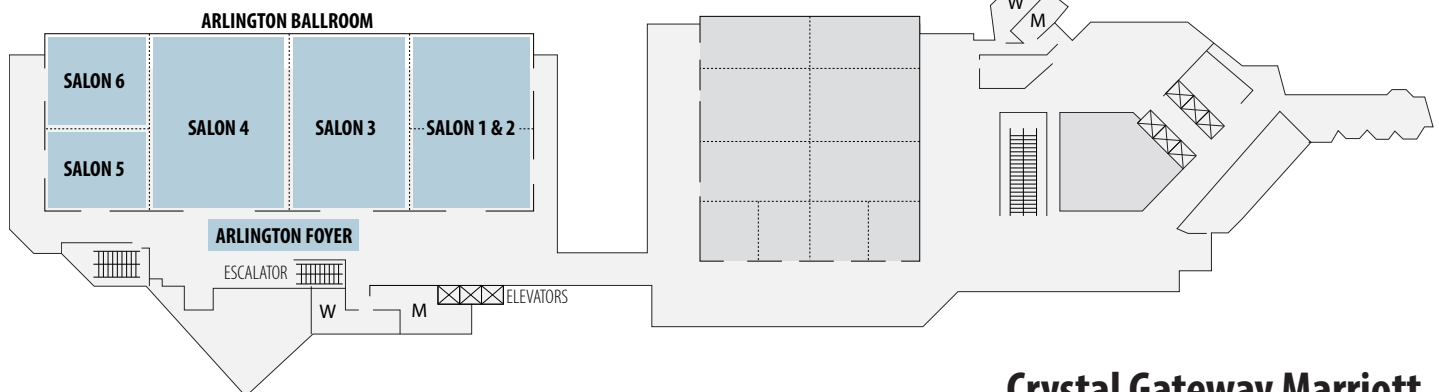
Steve Kelly, Institute for Security and Technology; **Ann Cleaveland**, University of California, Berkeley; **Joel Max**, Siemens;
Sarah Powazek, University of California, Berkeley

Renewable Energy and Storage Cybersecurity Research (RESCue) - Annual Workshop

1:00 p.m. - 5:00 p.m. | Salon 6

Conference End

FIRST LEVEL



Crystal Gateway Marriott

1700 Richmond Hwy
Arlington, VA 22202

LOBBY LEVEL

