POWERGEN™ CONFERENCE-AT-A-GLANCE

SEE THE MOST UP-TO-DATE SESSION INFO IN THE POWERGEN APP
Search "POWERGEN" in the app store to DOWNLOAD!

TRACKS	Data Center + New Demand Zone #5004	O&M and Reliability Zone #4455	Thermal + Nuclear Zone #1238	Center Stage #3535	250A	250B	250C	250D	250E	250F	251A	251B	251C	251D	255A	255E
Sponsor	*Siemens Energy*	*Schneider Electric*		*Stamford | AvK*												
MONDAY, JANUARY 18, 2027																
10:15AM - 11:05AM						PGU102: Using AI Analytics for Energy Systems: Basics and Best Practices **9:00AM - 12:00PM**										
11:15AM - 12:05PM																
1:30PM - 2:20PM					PGU201: Risk-Driven Reliability for Power Generation: From Asset Risk to Schedule **1:00PM - 4:00PM**	PGU202: Key Design Considerations for Energy Storage Systems **1:00PM - 3:00PM**								Generating Intelligence: From AI's Potential to Power Generation Performance *$ ADD-ON* **1:00PM - 5:00PM**		Coal Users' Group Annual Safety and Technical Forum *$ ADD-ON* **1:00PM - 6:30PM**
2:30PM - 3:20PM																
TUESDAY, JANUARY 19, 2027																
8:30AM - 10:00AM	Welcome & Opening Keynote: Supply, Demand and the Next Build Cycle: A CEO and COO Conversation															
10:15AM - 11:05AM	*SESSION SPONSORED BY SIEMENS ENERGY*	Thriving Within Australia's Energy Market Transition: AGL Bayswater Power Station	Fuel Assurance for Gas Turbines and Engines: LNG and Fuel Oil Back-Up Options for Existing Facilities	*SESSION SPONSORED BY STAMFORD | AVK*	Long-Duration Energy Storage: Commercial Readiness, Risk Profiles and the Path to Deployment	Tackling Environment, Efficiency and Flexibilization Together: An India-Specific Techno-Economic Assessment on Pulverizers	Emerging Security Threats for Critical Nuclear Infrastructure	ERCOT Interconnection and IBR Integration: How the Connect-and-Manage Model Works in Practice	An AI Case Study: Improving Asset Data while Setting the Foundation for More Efficient Plant Operations	Delivering Data Center Energy Campuses on Compressed Schedules: Development Strategies When Capital Commits Before Certainty Exists	Designing Wind Balance of Plant for Repowerability	From Design to Deployment: Getting It Right Before Going Live *SPONSORED BY CURTIS WRIGHT*		EGSA Engineering Workshop - Part 1 *$ ADD-ON* **10:30AM - 12:30PM**	Pathways to Power: Student Workforce Summit **8:00AM - 3:00PM**	Coal Users' Group Annual Safety and Technical Forum *$ ADD-ON* **7:00AM - 3:20PM**
11:15AM - 12:05PM	From Behind-the-Meter Isolation to Grid Partnership	Managing Boiler Efficiency and Reliability Risks Under Flexible Operation	Session to be announced. ***Check mobile app for updates***	Powering Growth Today, Preserving Decarbonization Tomorrow: Introducing the CCS Ready Framework *SPONSORED BY EXXONMOBIL*	Distributed Energy Resources and Virtual Power Plants: Aggregation, Markets and Grid Integration	Data Center Topic *SPONSORED BY INDUSTRIAL SERVICE SOLUTIONS*	Modernizing Nuclear Systems: Inside Constellation's Digital Nuclear Journey	The State of Power Generation: An EPC Market Perspective for Power Producers	AI-Powered Commercial Operations: How Constellation Is Rethinking Power Sales and Portfolio Optimization	Session Sponsored by Alliance North America	Risk, Bankability and Contract Structure in Utility Renewable Tenders	A National Pulse Check on the U.S. Gas Turbine Fleet: Performance, Upgrade Potential and Lead-Time Trends	Owner Operator Meetup **11:30AM - 12:15PM**			
1:30PM - 2:20PM	How Fuel Cell–Based, Grid-Forming Generation has Enabled Utilities to Serve New Load	*SESSION SPONSORED BY SCHNEIDER ELECTRIC*	Building Nuclear in Utah: State Strategy, Advanced Reactors and the Path to Deployment	Permitting, Emissions and Regulatory Exposure: What On-Site Generation Projects Are Running Into	Powering the Mission: Technology-Driven Pathways to Resilient Onsite Energy at Military Installations	Beyond the Vendor Questionnaire: Component-Level Supply Chain Assurance *SPONSORED BY FORTRESS INFORMATION SECURITY*	BESS for Data Centers: Grid-Scale Risks and Behind-the-Meter Solutions	Unlocking Next-Generation Geothermal Power: From Research to Commercial Reality	Fusion-Side Chat: New Technologies and Their Path to Commercialization	Concept to COD: De-risking Power Project Delivery in a Volatile Market	Reducing Water Waste Through Smarter Data Center Cooling Commissioning *SPONSORED BY ENDRESS+ HAUSER USA*	AI Data Center Load Impacts on Synchronous Generators: EMT Analysis and Voltage Support Technology Comparison		44th Electric Utility and Cogeneration Chemistry Workshop **1:00PM - 4:30PM**		
2:30PM - 3:20PM	Domestic Content and Supply Chain Strategy for BESS Projects	Reliability Fundamentals for Diesel Baseload Generation: Lessons From an Island Grid With No Backup	From Executive Order to Criticality: How Four Advanced Reactors Met the 2026 Deadline and What Comes Next	*SESSION SPONSORED BY INDUSTRIAL INFO RESOURCES*	*SESSION SPONSORED BY SIEMENS ENERGY*	On-Site Power in Practice: Repowering an Industrial 42 MW CHP Plant with an EaaS/DBOOM+F Model	*SESSION SPONSORED BY INNIO*	Hot Rock, Real Risk: What Early Geothermal Projects Are Teaching Power Developers	Engineering in the Age of AI: How Utilities Can Build Faster and Avoid Delays *SPONSORED BY MISTOS*	Development and Air Permitting of Behind-the-Meter Power Generation for Data Centers	Advancing Protection and Control in Renewable and Inverter-Based Power Plants	Dual-Use Gas Turbines: Grid Stability and Data Center Applications	Data Center Meetup **3:15PM - 4:00PM**			
WEDNESDAY, JANUARY 20, 2027																
8:00AM - 8:50AM	Breakfast Roundtables															
9:00AM - 9:50AM	Keynote: Securing the Grid in the Age of AI															
10:15AM - 11:05AM	*SESSION SPONSORED BY DP WORLD*	From Failure to Prevention: Selecting the Right Repair Strategy for Recurring Asset Degradation	Location, Flexibility and Reliability: Assessing the Impacts of Operating Parameter Improvements on Revenues for Peaking Units	*SESSION SPONSORED BY NW LECET*	Fire Safety and Code Compliance for BESS: Testing Standards, AHJ Engagement and Asset Protection	*SESSION SPONSORED BY SHELL CATALYSTS & TECHNOLOGIES*	Innovative Ways to Train the Next-Generation Workforce	*SESSION SPONSORED BY PANOPTO*	Advanced Cybersecurity: Beyond Traditional Firewalls, AI Threats and IT/OT Convergence	The Labor Constraint in New-Build Execution: Where Workforce and Project Pipelines Don't Align	Renewables and Storage in Data Center Power Architecture: Speed, Reliability and Behind-the-Meter Strategy	*SESSION SPONSORED BY UPTIME AI*		EGSA Engineering Workshop - Part 2 *$ ADD-ON* **10:30AM - 12:30PM**	Breakfast Roundtables **8:00AM - 8:50AM**	Coal Users' Group Annual Safety and Technical Forum *$ ADD-ON* **7:00AM - 3:20PM**
11:15AM - 12:05PM	Multi-MW Off-Grid Power Plants for Data Centers	From Regional Silos to Integrated Asset Management: How Petrobras Transformed a Thermoelectric Fleet	Exhaust Bleed Cooling for Improved Operational Flexibility	The Leadership Factory: How PacifiCorp Shaped a Generation of Energy Leaders	Siting BESS: Building Community Trust	Plant Optimization & O&M – Utility Phasor Monitoring Unit Implementation	Behind the Meter and Off the Queue: Deploying Scalable Power Without a Grid Connection *SPONSORED BY LANGLEY*	Connecting Grid Planning Decisions to Control-Room Reality	Leveraging Purpose-Built AI to Optimize Inventory, Reduce Risk and Improve Plant Reliability	The Project Is Won Before Mobilization: Planning for Power Generation in a Constrained Market *SPONSORED BY DAY & ZIMMERMAN*	Firm Solar: How Co-Located Storage Unlocks Capacity Factors Above 60%	From Waste Heat to Competitive Advantage: Enhancing Data Center Efficiency with ORC	OEM Meetup **11:30AM - 12:15PM**			
1:30PM - 2:20PM	How Power Generators Are Delivering Reliable Capacity for AI, Data Centers and Rapid Load Growth	*SESSION SPONSORED BY SIEMENS ENERGY*	Scaling Digital Transformation Across Nuclear Operations	*SESSION SPONSORED BY KEELEY*	CHP at a Crossroads: New Markets, New Models, New Challenges	Supply Chain Realities for Power Generation Projects	Planning for Load We Can't Ignore	Advancing Post-Combustion Carbon Capture: Pilot Results and Integration Considerations for Honeywell's ASCC Process	Beyond Backup: How Propane Can Help Meet America's Growing Demand for Distributed Power *SPONSORED BY PROPANE EDUCATION & RESEARCH COUNCIL*	Decoupling the Powertrain: Evolving Execution Models in a Constrained Generation Market	The Weakest Link in Your Power System: Keeping Critical Transformers Running *SPONSORED BY HIGH TO LOW VOLTAGE*	High-Altitude Cogeneration for Critical Minerals	EPC Meetup **2:15PM - 3:00PM**	44th Electric Utility and Cogeneration Chemistry Workshop **1:00PM - 4:30PM**		
2:30PM - 3:20PM	Stranded Gas to Power: Matching Underutilized Gas Supply with Data Center Demand	Utility Mobile Restoration for Planned and Unplanned Outages: Strategy and Equipment	Session to be announced. ***Check mobile app for updates***	Deep Dive on Blackouts: Lessons Learned and Recommendations	Advanced Valve Technologies for a Low-Carbon Future *SPONSORED BY WELLAND & TUXHORN*	The New Grid Geography: Why AI Infrastructure Is Making Existing Power Corridors Strategically Valuable Again	NFPA 70B, OSHA 70E and NEC 70: Understanding the New Compliance Landscape *SPONSORED BY POWER TEMP SYSTEMS*	Operating Carbon Capture in the Real World: Lessons from the Wayagamack Paper Mill	Decarbonizing Data Center Energy Systems: Trigeneration, Carbon Capture and Heat Reuse	Front-End Choices That Define Mega-Projects	The Scope 3 Shifting Landscape: How Data Centers and Their Supply Chain are Bringing Wind & Solar to FID	Session to be announced. ***Check mobile app for updates***				
3:30PM - 5:00PM				Women in Power Panel												
THURSDAY, JANUARY 21, 2027																
8:00AM - 8:50AM	Keynote: When the Grid Needs It Most: Reliability, Readiness and the Performance Gap															
9:30AM - 10:20AM	The Journey to 5-Nines: Using IEEE 3006.5 to Determine Probability-Based Reliability for a Fleet of Onsite Gensets	Practical O&M Strategies for Improving Coal Plant Reliability and Asset Life	Advanced Reactors and TRISO Fuel: Project Pele, Production Scale and the Path to Deployment	Utility Reality Check: Interconnection, Reliability and Large-Load Negotiation	Battery Design, Analytics and the Future of Performance Monitoring	NQA-1 and Nuclear Quality Requirements: What EPCs, Contractors and Suppliers Need to Know Before the Project Starts	Session to be announced. ***Check mobile app for updates***	AI and Large Language Models in Generation Fleet Monitoring: Early Implementation Lessons and Practical Limits	Progressive Design-Build Delivery for Municipal Utility Repowering: Converting a Retired Coal Plant Into a Simple-Cycle Facility	Session to be announced. ***Check mobile app for updates***	NGCC Carbon Capture in the Desert: Lessons From a Retrofit Study in Oman						Coal Users' Group Annual Safety and Technical Forum *$ ADD-ON* **7:30AM - 10:00AM**
10:30AM - 11:20AM	Data Center Flexibility: Unlocking Value for the Grid and the Customer	Designing Power Assets for Resilience: Insights From Engineering and Operations	Challenges & Opportunities of Designing Flexible Plants for Today & Tomorrow	Session to be announced. ***Check mobile app for updates***	Battery Storage Accreditation: Navigating ELCC, UCAP and Capacity Market Value	Session to be announced. ***Check mobile app for updates***	sCO2 Power Cycles: Commercialization Overview and Update	Session to be announced. ***Check mobile app for updates***	Public Acceptance as a Core Development Discipline: Lessons From IPP Renewed and Wolf Summit Energy	America's Untapped Hydro Potential: Pumped Storage, Unpowered Dams, and the Permitting Bottleneck						
11:30AM - 12:20PM	Data Center Demand and RICE Power	Restoring HRSG Performance by Cleaning Deep Tube Bundles With Nucleated Foam	Supercritical CO_2 for Gas Turbines: Accelerating Speed to Power	International Perspectives on the Future of Power Generation	Session to be announced. ***Check mobile app for updates***	Beyond the Upgrade: The State of Digital Modernization in Nuclear Power Operations	Solid Oxide Fuel Cells are Unlocking Critical Constraints	Utility Perspective: Using Generative AI to Enhance Asset Monitoring	Session to be announced. ***Check mobile app for updates***	Navigating Canada's Growing Renewable Energy Market						