

# UGM 2025

AGENDA | OCTOBER 28-30, 2025  
HOTEL | RENAISSANCE PHOENIX DOWNTOWN



## DAY 1 – TUESDAY, OCTOBER 28

### 8:30 | UGM: Introduction & Agenda

**Speaker:** Manos Obessis

We'll kick off the User Group Meeting with an overview of this year's agenda, themes, and how to get the most out of the sessions and discussions.

### 9:00 | Introducing The New PowerGEM

**Speaker:** Joe DeMatteo

Meet the new leadership team and hear their vision for PowerGEM's future, including investments in innovation, customer support, and product development.

### 11:00 | PowerGEM Product Synergies and Key Developments

**Speakers:** Kevin Carden, Assef Zobian, Boris Gisin, Tom Quinn

Learn about the latest enhancements across PowerGEM's software suite, and how new synergies between tools are delivering more powerful planning and analysis capabilities.

## BREAKOUTS

### TARA / PROBE

#### 1:00 | TARA, Add-on Modules & New Features

**Speakers:** Boris Gisin & John Condren

Explore TARA add-ons and new features available in the 2025 release.

#### 1:50 | New PROBE Features

**Speaker:** Jim David

Explore the latest PROBE enhancements designed to improve accuracy, performance, and usability for energy market modeling.

#### 3:05 | PJM, MISO, SW & TVA Generation Deliverability, and New GI Solutions

**Speakers:** Seungwon An & James Thomas

Learn about new tools and approaches to streamline generator interconnection studies across multiple regions.

### DAYZER

#### 1:00 | Introduction to DAYZER, TRANZER, DZNode, VisGIS, DZbatch, DZscript Transmission and generation Databases

**Speaker:** Asser Zobian

Get a comprehensive overview of PowerGEM's DAYZER suite, including key tools and database structures for transmission and generation analysis.

#### 1:50 | New Features in DAYZER and DZNode

**Speaker:** Kaan Egilmez

Preview of DZNode 2.0 and DAYZER SaaS features, API upgrades, and forecasting improvements.

#### 3:05 | New Features in Tranzer

**Speaker:** Xiaoyi Wu

Highlight of new DAYZER 8.4 features, including battery aging, redispatch, GUI updates, and Snowflake integration.

### SERVM

#### 1:00 | SERVM Dashboard Overview

**Speaker:** Justin Brooks

Hands-on demo of the new dashboard that simplifies and streamlines simulation result analysis using detailed Dispatch Report data.

#### 1:50 | Reliability & ELCC Solvers

**Speaker:** Justin Brooks

Master automated solvers that streamline resource adequacy planning by adjusting capacity to meet reliability targets like 0.1 LOLE, reducing manual effort overall.

#### 3:05 | Storage Modeling

**Speaker:** Nick Wintermantel & Cole Benson

Understand how our flexible battery modeling settings affect operation and reliability contributions in SERVM.

#### 4:00 | Day 1 Wrap Up: PowerGEM Ideas for Future Development; What Are YOUR Ideas

**Speakers:** Boris Gisin, Kevin Carden, Assef Zobian, Manos Obessis

An interactive forum where attendees can share challenges, priorities, and wish-list features to help shape PowerGEM's product roadmap.

## DAY 2 – WEDNESDAY, OCTOBER 29

### 8:30 | AI & Data Center Impacts on the Grid

**Speakers:** Assef Zobian, Kevin Carden

Discover how artificial intelligence and the growth of data centers are reshaping electricity demand and reliability planning.

### 9:30 | GIS Utilization & Visualization

**Speaker:** Boris Gisin

See how GIS tools enable deeper spatial insights into transmission planning, interconnections, and grid reliability analysis.

### 11:00 | Customer Case Study: ERCOT

**Speakers:** Kevin Carden, Woody Rickerson, COO of ERCOT

Hear first-hand how ERCOT approaches reliability planning, simulation, and decision-making using PowerGEM tools.

## BREAKOUTS

### TARA / PROBE

#### 1:00 | The Connection Between PROBE & TARA

**Speakers:** Jim David & Brian Thomas

Learn how PROBE and TARA work together to provide a complete view of energy markets, transmission, and reliability.

#### 1:50 | pyPowerGEM

**Speaker:** Biagio Pinto

The pyPowerGEM presentation will be an overview of the current python package, information on how to get started, and a discussion of new features that have been released this year in pyPowerGEM

#### 3:05 | AMB Hosting Service

**Speaker:** Nathan Halladay

Introduction to PowerGEM's AMB hosted service, providing flexible cloud-based access to modeling tools and simulations.

### DAYZER

#### 1:00 | Addressing Energy Trading Challenges & Opportunities Using DAYZER

**Moderator:** Assef Zobian, Chief Development Officer, PowerGEM

**Panelists:** Melanie Garza, Transmission and Systems Analyst, Key Capture Energy, and George Hopley, ENGIE North America

A customer-led discussion on how DAYZER supports trading decisions, risk management, and market opportunity analysis.

### 1:50 | DAYZER & DZNode Best Practices

**Speaker:** Sean Meany

Practical tips and techniques for getting the most out of DAYZER and DZNode in trading and operations.

### 3:05 | DZNODE Sensitivity, Variations & Schedules Application for Trading

**Speaker:** Thomas Conner

Understand how sensitivity studies and schedule variations in DZNode support more robust trading strategies.

### SERVM

#### 1:00 | Interregional Transmission Assessments

**Speaker:** Nick Wintermantel

Learn how to use TARA, PROBE, and SERVM to study the impact of enhancing interregional (or intra-zonal) transmission capabilities on reliability and economics.

#### 1:50 | Database Validation

**Speaker:** Kevin Carden

Overview of SERVM simulation quality control best practices.

#### 3:05 | Fuel Supply Modeling

**Speaker:** Chase Winkler

Explore how SERVM directly accounts for gas constraints by modeling pipeline & reservoir capacity, and dual-fuel units to assess backup fuel needs, operational constraints and ensure reliability.

### 4:00 | Day 2 Wrap Up: What Ideas Do YOU Have?

**Speaker:** Manos Obessis

An open discussion to reflect on the day's sessions, share feedback, and suggest future development ideas.

## DAY 3 – THURSDAY, OCTOBER 30

### 8:30 | The Voice of Our Users: Sharing Your Ideas

**Speaker:** Manos Obessis

A collaborative session where attendees highlight successes and challenges, shaping the direction of PowerGEM tools.

## BREAKOUTS

### TARA / PROBE

#### 9:30 | Large Load Interconnection

**Speaker:** John Condren

Overview of TARA tools for assessing large load interconnection sites, including thermal, voltage, and group impact analysis methods.

#### 10:20 | Cloud Processing Prototype

**Speakers:** DeWayne Johnsonbaugh & Liam Nelson

A sneak peek into development where PROBE & TARA can be run at scale on cloud infrastructure, allowing users to seamlessly execute TARA batch mode.

### DAYZER

#### 9:30 | Forecast Models: NG and Power Demand, Wind and Solar Generation Using AI Techniques

**Speakers:** Assef Zobian & Tom Quinn

See how advanced AI forecasting improves accuracy for demand, natural gas, wind, and solar projections.

#### 10:20 | DZScripts & Use Case Examples

**Speaker:** Ashutosh Timilsina

Review new and updated DZSCRIPT tools, with ISO-specific enhancements and automation tips.

### SERVM

#### 9:30 | Using SERVM for Expansion Planning & Outputs in Other Planning Processes

**Speaker:** Nick Wintermantel

Discover how to configure Expansion Planning and incorporate SERVM reliability analysis results into other planning tools.

#### 10:20 | Integration Studies

**Speaker:** Chase Winkler

Learn about SERVM's sub-hourly simulations to help plan future resource portfolios and quantify renewable integration costs, as well as assess flexibility benefits of dispatchable resources.

#### 11:10 | UGM Wrap Up

**Speaker:** Manos Obessis

A closing session that ties together the event's themes and key takeaways, while outlining what's ahead for PowerGEM.



<https://power-gem.co/events/ugm2025>