

Advanced Technology Working Group (ATWG)

2025 Concept Paper Webinar

January 21, 2026



JOINT UTILITIES
OF NEW YORK

Welcome

DEAN BERLIN, National Grid

SERGIO RODRIGUEZ, Con Edison

AGENDA



1. Meeting Procedures
2. Introduction
3. 2025 Call for Advanced Technology Concept Papers
4. Next Steps and Q&A

MEETING PROCEDURES

- ❖ All attendees are muted.
- ❖ The chat function is disabled for this webinar.



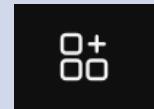
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2. The written Q&A function will be monitored throughout the webinar and panelists will provide responses as appropriate and as time permits.

You may also direct your questions or comments to atwg@ceadvisors.com

INTRODUCTION

BACKGROUND

- Following the Commission’s Order on Power Grid Study Recommendations (Case 20-E-0197) issued on January 20, 2022, the ATWG was tasked with addressing “the challenge of identifying and removing barriers to the deployment of new technologies” in New York.

REPRESENTATIVES

- The Joint Utilities of New York
- NYSERDA
- New York Department of Public Service
- PSEG-LI / LIPA
- NYPA
- NYISO

ADVANCED TECHNOLOGY OBJECTIVES

- Close CGPP Alignment: Ensure that JU planners have the best available information to help them evaluate advanced technologies as potential solutions to grid needs.
- Streamlined Technology Assessment: Focus on mapping clearly defined grid challenges to the capabilities of emerging and underutilized technologies.
- Targeted Stakeholder Engagement: Facilitate an ongoing dialog between the JU and the technology development community in New York.

ACTIVITIES

- Monthly meetings
- Work sessions with CGPP planners
- Call for Advanced Technology Concept Papers
- Stakeholder engagement sessions
- Annual report

2025 Call for Advanced Technology Concept Papers

SERGIO RODRIGUEZ, Con Edison

THINH PHAM, PSEG-LI / LIPA

2025 CALL FOR ADVANCED TECHNOLOGY CONCEPT PAPERS

The ATWG issued a Call for Advanced Technology Concept Papers in Q4 2025 aimed at increasing the pipeline of potential technologies to help New York achieve its clean energy goals.

REGULATORY BACKGROUND

- The New York PSC directed the ATWG to broaden its range of technologies under review to inform the solutions available to utility planners engaged with the Coordinated Grid Planning Process through an order dated January 2024.¹
- The ATWG conducted its first round of solicitations in Q2 2024.
- The ATWG conducted its second round of solicitations in Q4 2025.

SCOPE

This call is specifically targeted towards technologies...

- with the potential to enhance transmission grid performance broadly.
- that can alleviate or address large-scale grid needs arising from substantial capacity additions.
- that can be paired with traditional grid solutions to flexibly and incrementally add system capacity.
- with a demonstrable deployment record and real operating data.
- for which a reasonable amount of cost data exists.

SUBMISSION REQUIREMENTS

- A detailed description of the technology or solution, including potential use cases and grid services that the technology may support.
- Specific examples of where the technology or solution has been deployed.
- An outline or preliminary plan for implementing the technology or solution within the New York electricity grid.
- To the extent possible, provide cost data that can facilitate comparisons with existing and alternative solutions.
- Specific benefits that the technology supports, either directly or indirectly.
- A description of how the technology is typically represented in commercially available power system tools.

¹ Case 20-E-0197, Order Establishing Procedures for the Advanced Transmission Technologies Working Group, State of New York Public Service Commission, January 19, 2024.

2025 CALL FOR ADVANCED TECHNOLOGY CONCEPT PAPERS

We received six Concept Papers covering a range of technologies.

CTC Global

Affordably & Rapidly Increasing
Transmission Capacity with ACCC
Conductors

Pitch Aeronautics

Weather-Based Dynamic Line Ratings

Standard Potential

Responsible Grid Program

GE VAR

Distributed AI Inference (DAI2) For New
York State Grid Optimization

GE VAR

HVDC Transmission Access Point

GE VAR

Thermal Energy Storage Integration with
Gas Turbine Power Generation

In reviewing the submitted concept papers, we found a range of interesting ideas and approaches.

- The papers presented a variety of innovative concepts, though we do not see any way they would be involved in the identification or creation of headroom, which is the primary goal of the Coordinated Grid Planning Process (CGPP).
- Some technologies, like DLR and advanced conductors, have already been explored or deployed.
- Some of the proposed technologies appear to be in earlier stages of maturity and may not be ready for integration into the CGPP in the near future.

The ATWG will refine future calls for papers based on lessons learned from past solicitations, CGPP Cycle 1, and ongoing pilots and demos.

NEXT STEPS

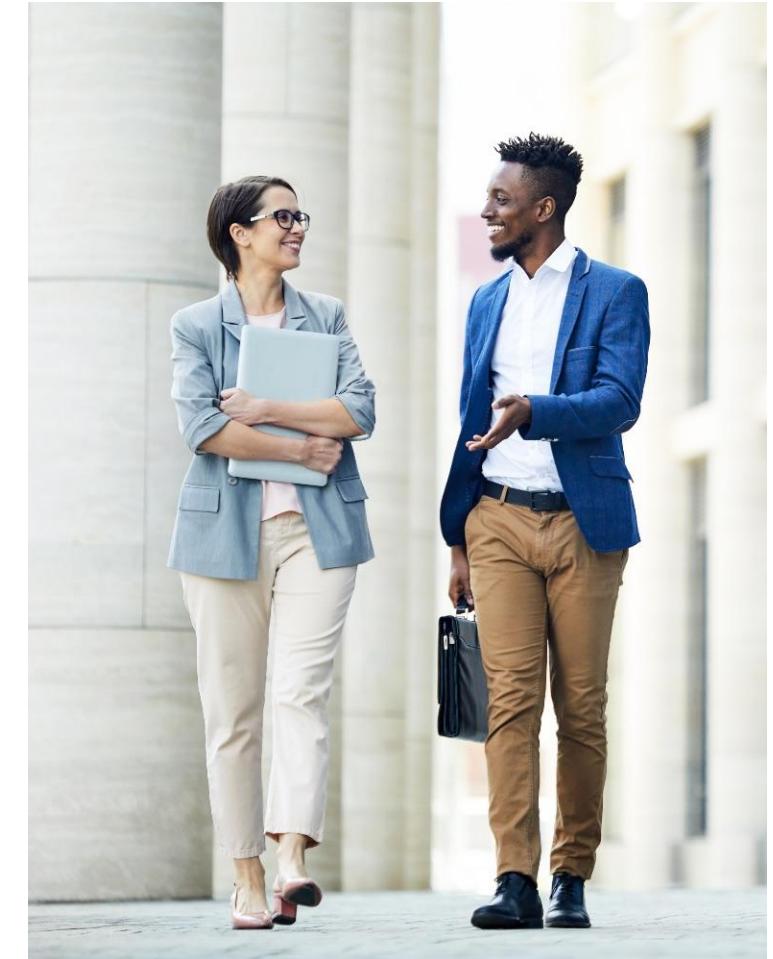
The ATWG appreciates the time and effort invested in these submissions. The submissions highlight a range of technologies that may support the CGPP's future cycles and helps us refine our solicitation process for future years.

Annual Report:

The ATWG will be filing its 2025 Annual Report on January 31, 2026.

2026 Call for Papers:

The ATWG may host another solicitation in 2026 and will provide further details on the ATWG website as more specific preparations are made.



Q&A



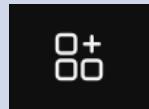
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