

Technical Conference Agenda and Remote Access Information

December 11-12, 2023

1. Summary schedule

DAY 1			
	<i>Start</i>	<i>End</i>	<i>Topic</i>
Opening	9:30	10:00	Context and objectives for this conference
1 st session	10:00	11:00	The potential "gap" with respect to resource adequacy, transmission security, and grid stability
2 nd session	11:00	12:15	Aligning 0x40 with climate justice and just transition requirements and priorities
LUNCH	12:15	12:45	
3 rd session	12:45	14:00	Demand-side resources and virtual power plants
4 th session	14:00	15:15	Long-duration energy storage
Closing	15:15	15:30	

DAY 2			
	<i>Start</i>	<i>End</i>	
1st session	9:30	10:30	Generation technologies #1 of 3: Methane -- biogas, RNG, and carbon capture & storage
2nd session	10:30	11:30	#2 of 3: Hydrogen
3rd session	11:30	12:30	#3 of 3: Advanced nuclear
Closing	12:30	12:45	Next steps

2. Full Schedule

DAY 1

9:30-10am | Welcome and introduction

Speaker: Justin Gundlach

- Overview of proceeding
- Objectives for tech conference
- Overview of tech conference schedule

10-11am | Characterizing the potential "gap" with respect to resource adequacy, transmission security, and grid stability arising from shuttering fossil fuel-fired resources

Moderator: Schuyler Matteson

Panelists:

- Deidre Altobell, Consolidated Edison
- Prof. C. Lindsay Anderson, Cornell
- Zach Smith, New York Independent System Operator
- Kevin Steinberger, E3

Items for discussion: Existence of a "gap," based on physical and planning requirements of the grid; resource adequacy, transmission security, and grid stability components of the potential resource-reliability gap that is expected to emerge in New York as fossil-fired generation resources are shut down pursuant to CLCPA requirements; how models used by NYISO, the Climate Action Council, and others identify this "gap" and estimate its size and timing; information to seek/develop through additional studies conducted as part of the Coordinated Grid Planning Process and/or ongoing NYISO Reliability Needs Assessment.

11am-12:15pm | Prioritizing climate justice and just transition consistent with Climate Leadership and Community Protection Act requirements

Moderator: Chris Coll

Panelists:

- Daniel Chu, NYC Environmental Justice Alliance
- Lew Daly, Just Solutions
- John J. Murphy, United Association of Plumbers and Pipefitters
- Clarke Gocker, PUSH Buffalo

Items for discussion: Climate justice and just transition principles embodied in the CLCPA and pertinent to 0x40, siting considerations and community engagement around "zero emission" facilities, concerns expressed by the Climate Justice Working Group related to hydrogen, RNG, bioenergy, and waste-to-energy resources, pre-deployment research related to life cycle emissions accounting and air quality, and impacts to occupational groups including the growth or displacement in jobs due to the 0x40 requirement.

LUNCH, 12:15-12:45

12:45-2pm | Demand-side resources and virtual power plants

Moderator: Zeryai Hagos

Panelists:

- Greg Geller, Stack Energy
- David Nemetzow, U.S. Department of Energy Loan Programs Office
- Curt Tongue, Ohm Connect

Items for discussion: Taxonomy of technologies by function, covering capabilities, complementarities with other resources, emissions profiles, and status (e.g., commercially available); deployment potential and barriers.

2pm-3:15 | Long-duration energy storage

Moderator: Schuyler Matteson

Panelists:

- Scott Burger, Form Energy
- Ramesh Koripella, Sandia National Laboratories
- Sarah Kurtz, University of California - Merced

Items for discussion: What does "long duration" encompass? Taxonomy of technologies, covering capabilities, complementarities with other resources, potential emissions impacts, and status (e.g., commercially available); deployment potential and barriers.

3:15-3:30pm | Closing remarks for the day

DAY TWO

9:30-10:30am | Generation technologies #1 of 3: Methane (biogas, renewable natural gas, carbon capture and storage)

Moderator: Justin Gundlach

Panelists:

- Prof. Emily Grubert, Notre Dame
- Kevin Hopkins, Sargent & Lundy
- Sean Moore, National Grid

Items for discussion: Taxonomy of technologies, covering key physical features (e.g., footprint, location, infrastructure requirements, capital costs), operational features (e.g., generation capacity, ramp rates, emissions profile), and status (e.g., commercial availability); deployment potential and barriers.

10:30-11:30am | Generation technologies #2 of 3: Hydrogen

Moderator: Schuyler Matteson

Panelists:

- David Cohn, Sargent & Lundy
- Jeffrey Goldmeer, General Electric
- Bryan Pivovar, National Renewable Energy Laboratory

Items for discussion: Taxonomy of technologies, covering key physical features (e.g., footprint, location, infrastructure requirements, capital costs), operational features (e.g., fuel sources, generation capacity, ramp rates, emissions profile), and status (e.g., commercial availability); deployment potential and barriers.

11:30am-12:30pm | Generation technologies #3 of 3: Advanced nuclear

Moderator: Rob Habermann

Panelists:

- Rita Baranwal, Westinghouse
- Julie Kozeracki, U.S. Department of Energy Loan Program Office
- Prof. Emily Liu, RPI

Items for discussion: Taxonomy of technologies, covering key physical features (e.g., footprint, location, infrastructure requirements, capital costs), federal and state permitting requirements, operational features (e.g., fuel sources, generation capacity, ramp rates, waste outputs), and status (e.g., commercial availability); deployment potential and barriers.

12:30am-12:45pm | Closing remarks

3. Remote participation

Remote will be available via WebEx or by phone as follows:

Webex

Day 1

Click to join:

<https://meetny.webex.com/meetny/j.php?MTID=m5f1d3c88a9d1ae73fd577ddd7ae08d20>

or

Navigate to meetny.webex.com and enter code: 161 384 7123

If prompted, enter webinar password: 0by2024

Day 2

Click to join:

<https://meetny.webex.com/meetny/j.php?MTID=m0460246ea4b8dc96cb1239a1bfd79dea>

or

Navigate to meetny.webex.com and enter code: 161 123 7351

If prompted, enter webinar password: 0by2024

Phone (both days)

Call-in number: 518-549-0500

Conference code: 161 384 7123

Password: 0292024