

ACEC Water Energy and Environment Committee
Summer Meeting
August 11th and 12th, 2022

Meeting Location:
Grosser Engineering
630 Johnson Ave, Suite 7
Bohemia, NY 11716

Elyssa Usefof eusefop@pwgrosser.com
631.589.6353

Meeting registration:

ACEC members [click here](#) .

Hotel reservation at block rate by July 27:

Hilton Garden Inn - Islip MacArthur Airport
3485 Veterans Memorial Highway
Ronkonkoma, NY 11779
Please [click here](#).

Transportation:

Long Island MacArthur Airport (ISP) is 0.8 mi and a 4-minute drive to the Grosser office in Bohemia. It can sometimes be difficult getting a direct flight into or from ISP so two other options, although further away, would be JFK which is 43.1 mi and 1 hr 11 min drive to the Grosser office and LaGuardia (LGA) 46.6 mi and a 1 hr 32 min drive. There are always plenty of Ubers as well as options for rental cars at the airports. If a car service is needed contact Elyssa Usefop (above).

[PDH form](#)

Summary Agenda

- Resilience – Water - New York City (DEP, DDC) – Army Corps of Engineers (NY District)
- Resilience Finance Workshop (water and energy) – DOE/INL, McKinsey, Suffolk Water, LIPA
- Standards of Care – resilience engineering – POWER Engineering
- Siting Challenges - Renewables Development– offshore wind, batteries -Orsted, Strategic Management Group
- Engineering Grid Reliability – POWER Engineering, ConEd, DOE/INL
- Energy Transition – hydrogen hub development - NYSERDA, National Grid, Progress Rail

Agenda

Thursday, August 11, 2022

- 8:00 a.m. **Breakfast – Welcome – Introductions**
[Joe Barbagallo](#) Woodard & Curran, Chair, ACEC Water, Env. & Energy Committee
[Lynn Schloesser](#), ACEC Director, Water Energy and Environment (WEE) Program [LS presentation](#)
- 8:30 a.m. **Review of Congressional Activities – ACEC/WEE priorities**
Guest: Congressman [Andrew Garbarino](#)
- 9:00 a.m. **Resilience – Water – New York City – Army Corps of Engineers**
- Moderator: [Paul Grosser](#), [PWGC](#)
 - [Eric Macfarlane](#) – NYC Deputy Commissioner of the Department of Design and Construction –NYCs “Big U” and other resiliency projects. [EF presentation](#)
 - [Vincent Sapienza](#) vsapienza@dep.nyc.gov – NYC Department of Environmental Protection, Chief Operations Officer– Resiliency projects in NYC related to water, wastewater, and stormwater. [VS presentation](#)
 - [Colonel Matthew Luzzatto](#), U. S. Army Corps of Engineers - Commander and District Engineer, New York District - Projects and plans for the IJA funding [ML presentation](#)
- 10:30 a.m. **Break**
- 10:45 a.m. **Resilience Finance Workshop** (water and energy)– Resilience engineering - prioritization of lifeline functions - continued policy position search from Winter WEE Meeting
- Questions:
1. What is the current planning, prioritization, and financial models of electric/water utilities to support climate resilience investments?
 2. What are the new developments in these models to support climate resilience investments?
 3. What are the financial limitations to hardening that cannot be accounted for with insurance, private or public?
- Moderator, [Andrew Bochman](#), Senior Grid Strategist, DOE/INL
 - [Billy Raley](#), SVP of Transmission & Distribution Oversight, [LIPA](#)
 - Joseph Pokorny, [Deputy CEO of Operations](#), Suffolk County Water Authority [JP presentation](#)
 - [Elizaveta Malashenko](#) (Liza), Senior Expert, Electric Power and Natural Gas, McKinsey & Company.
 - Guests: ICF – [Joeann Jenkins](#); [Meredith Derr](#); [ICF 2022 Report on Survey of Electric Utilities - Decarbonization, Resilience, Electrification, Equity](#)

- 12:00 noon **Lunch** – General discussion of resiliency content in the morning and potential advocacy path forward, with an update on Standards of Care with [Andrew Ratzkin](#) POWER Engineers. [AR presentation](#)
- 1:30 p.m. **Siting Challenges - Renewables Development** – The latest developments of wind generation, transmission, and storage in the northeast – challenges, opportunities and path forward.
- [Jennifer Garvey \(jegar@orsted.com\)](#) – Jennifer performs public outreach for Orsted related to the wind farm project of the southern coast of Long Island. She will speak to the project and the obstacles that had to be overcome in siting and transmission. [JG presentation](#)
 - [Kelly Sarber \(kellysarber@hotmail.com\)](#) – Strategic Management Group – Kelly will speak to energy storage (batteries) and the siting of these facilities. [KS presentation](#)
- 2:30 p.m. **Break**
- 2:45 p.m. **Engineering Grid Reliability** – Integration of Emerging Transitional Technology – Deployment of renewables, storage, fossil emissions abatement, and nuclear pose challenges to regulators, developers/users, and the consulting engineering community. What technologies are approaching near-term deployment? How are they assessed for reliability/resilience? What, if any, incentives, and regulatory actions are needed to advance transitional technology deployments?
- Moderator – [Jack Hand](#) former CEO, POWER Engineers
 - National Strategist – [Andrew Bochman](#), Senior Grid Strategist, DOE/INL
 - User/developer – [Stephen Wemple](#), ConEd
 - Consulting Engineer – [Gerry Murray](#), Executive Vice President, POWER Engineers
- 4:15 p.m. **Adjourn**
- 6:00 p.m. **Registered Meeting Attendee Dinner**
[Lombardi's On the Bay](#)
600 S Ocean Ave, Patchogue, NY 11772

Friday, August 12, 2022

8:00 a.m. **Breakfast**

8:30 a.m. **Energy Transition – Hydrogen** (Haiyan Sun, NYSERDA; Pradheep Kileti, National Grid; and Michael Cleveland, Progress Rail) NYSERDA manages the partnership for the regional hydrogen hub and will provide a briefing on developments. National Grid will share its developments in Hydrogen Vision. Progress Rail will provide a briefing on its hydrogen demonstration project and related developments.

- Moderator: Steve Stielstra, [SWCA](#)
- Haiyan Sun, [NYSERDA Researchers and Policymakers - Hydrogen HS presentation](#)
- [Pradeep Keleti, National Grid](#) PK presentation
- [Michael Cleveland, Progress Rail](#) MC presentation

More:

[National Grid Vision of Hydrogen Economy](#)

[Caterpillar Demonstration Project](#)

[The Rush Is On: Administration's \\$8 Billion Attracts Lots of US Hydrogen Hub Builders | 2022-05-11 | Engineering News-Record](#)

[Regional Clean Hydrogen Hubs](#) Office of Clean Energy Demonstrations (OCED) intends to issue a Funding Opportunity Announcement (FOA) entitled “Regional Clean Hydrogen Hubs” (H2Hubs) in collaboration with the Energy Efficiency and Renewable Energy’s (EERE) Hydrogen and Fuel Cell Technologies Office (HFTO) and the DOE Hydrogen Program, which includes multiple offices engaged in hydrogen related technologies across DOE. OCED anticipates issuing the FOA in the September/October 2022 timeframe.

9:45 a.m. **Break - [ACEC WEE summer meeting PDH form](#) - due 09.12.22 to lmakonnen@acec.org**

10:00 a.m. **Advocacy Discussion – Priorities – Path Forward -**

- **Future Meetings Schedule**
 - WEE 2022 ACEC Fall Conference October 16-19, 2022, Colorado Springs, CO roundtable meeting, resilience session (TBD)
 - WEE 2023 winter meeting tentatively February 16-17, 2023, Washington DC, ACEC offices.
 - ACEC 2023 annual meeting, June 11-14, 2023, Grand Hyatt, Washington DC
 - WEE 2023 summer meeting, August 24-25, 2023, location (TBD)
 - ACEC 2023 fall conference, October 15-18, 2023, JW Marriott, Austin, TX

- **Advocacy - Awareness – Survey & WEE Path Forward**
 - [Conflicts of Interest Policy - Antitrust Compliance Policy](#)
 - [ACEC Strategic Plan – 2022-2023 WEE Goals –](#)
 - [ACEC WEE website with links to agendas - presentations - communications](#)
 - [Links to WEE Advocacy and Awareness Accomplishments](#)
 - [Climate Strategy - Glossary](#) - Climate Communications
 - [ACEC Podcast - Exploring Mitigation, Adaptation, and Sustainability 2022-05-03](#)
 - Fifth National Climate Assessment [NCA5](#) to be published fall 2023
 - WEE [survey form](#) - Planning Cabinet – subcommittee – path forward

- **Topical Path Forward**
 - ACEC fall conference October 16-19, 2022, Colorado Springs, CO
 - Potential climate resilience session -panel
 - WEE Roundtable – latest on infrastructure authorizations, appropriations, confirmations, [EPA announces water sector action plan to accelerate cyber resilience](#), ESG
 - WEE winter meeting
 - ACEC annual meeting June 11-14, 2023, Grand Hyatt Washington DC – sessions, call for proposals deadline September 29, 2022
 - Potential sessions - FEMA/USACE pre-disaster mitigation, SOC, equity, permitting (e.g., transmission); IJA and IRA implementation
 - WEE Roundtable
 - WEE summer meeting August 24-25, 2023, location - TBD
 - Future webinar (suggestions, volunteer developers)
 - cyber security challenges: small business, incident reporting
 - FERC siting and permitting developments
 - climate change, mitigation/adaptation
 - flood/drought resilience e.g., Colorado River Update, Mississippi River

- **Request for contacts of vendors that would add value to ACEC:** cyber security, remote sensing, materials, other

12:00 p.m. **Lunch and Adjourn**

Biographical Information

Kelly Sarber, CEO, Strategic Management

Kelly Sarber is a veteran executive with a successful track record developing complicated environmental projects with current estimated enterprise value of over \$6Bill, one of which is the largest solar (3.2MW) + battery storage (2.0MW) project in the US. Kelly typically embeds into teams at renewable energy, solid waste and recycling, wastewater, and alternative energy companies, working to progress her projects. Sarber was elected to the Board of NY-BEST, the energy storage industry’s premier trade organization in

New York and collaborates with senior stakeholder entities to create successful NY projects. She is known for sourcing a robust pipeline of project investment opportunities from deep connections in environmental industries that spans almost three decades and includes relationships with senior management teams, municipalities, engineering firms, regulators, and private equity companies. Sarber has consistently been an industry insider who is respected for her ability to guide development and bring these projects to fruition.

Sarber has proven expertise developing projects in New York City including the largest energy storage project in New York State at 100MW to be constructed on land owned by New York Power Authority and energy contracted to Con Edison for seven years. Sarber placed another 1,000MW of energy storage at the site of a retired nuclear plant in Westchester County and is sourcing new sites in New York City, many that can accommodate onshoring of offshore wind from the NY Bight. With another fifteen energy storage projects are in various stages of development in NY and CA under partnership arrangements with renewable energy companies looking for green field development experts to assist with the green energy transition

Elizaveta Malashenko, McKinsey

Liza drives energy and public sector organizations to foster a clean, reliable, and abundant energy future. Elizaveta is currently a Senior Expert and Associate Partner in Electric Power & Natural Gas specializing in utility operations and grid resilience, driving innovation in how organizations assess and adapt to changing climate. Prior to joining McKinsey in 2020, Elizaveta led safety, reliability, and enforcement policy at the California Public Utilities Commission. Elizaveta headed California state efforts in response to major crises, including the deadliest and most destructive wildfire season in state's history and well failure at Aliso Canyon gas storage facility. Over her career, Elizaveta has led initiatives in grid modernization, integration of distributed energy resources, energy storage policy, utility work and asset management, OT/IT conversion and cyber security, as well as many other topics. She has an Executive MBA from UCLA and BA in Economics and Political Science from University of Pennsylvania.

Joseph M. Pokorny, P.E. – Deputy Chief Executive Officer for Operations

Mr. Pokorny has been employed by the Suffolk County Water Authority since 1995. Starting in the Production Control department overseeing maintenance operations on all SCWA water production and storage facilities, Mr. Pokorny was promoted in 1997 to Chief Engineer, responsible for the budgeting, planning, design and construction of all of SCWA's production, storage and treatment facilities. He then served as Acting Director of Distribution in the Construction and Maintenance department where he oversaw the installation of all pipeline construction, rehabilitation and repair work associated with SCWA's 5900-mile distribution system. Prior to working for SCWA, Mr. Pokorny worked for eight years for the Long Island Lighting Company in its Electrical Engineering department, where he worked on a variety of projects from fossil and nuclear power plants to small wastewater treatment plants. He also worked for five years as engineering manager for two systems integration companies designing various automation systems for water, wastewater and transportation systems throughout the Northeast United States. Mr. Pokorny has served as the Chairman of the Long Island Water conference and remains active within the organization. Mr. Pokorny also serves as Vice-Chair of the AWWA Water Utility Council. Mr. Pokorny earned a Bachelor of Science degree in Electrical Engineering from Manhattan College, a master's in business administration from St. John's University and is a licensed professional engineer in the State of New York.