Association of Environmental Authorities

Becoming Champions of Change

2020 Spring Utility Management Conference

Tuesday, March 10 & Wednesday, March 11
Caesars, Atlantic City, N.J.
Thank you to the AEA Education and Conference Committee for putting together a timely and informative conference program.

The committee members are: Bill Gettings, chair, Bernie Bujak, Rick Dovey, Rick Eustace, Dollie Hamlin, Tom Horn, Jill Plesnarski, Manuel Ponte, Apryl Roach, John Scheri, and Brian Valentino.

The committee was supported by AEA staff, Peggy Gallos, executive director, and Karen Burris, office manager, and by Lorna O’Hara and Milly Diaz from Princeton Public Affairs.

Conference Chairs
Richard Brand, 1st Vice President
Stephen Specht, 2nd Vice President
Tuesday, March 10

11 a.m. | Exhibit hall opens Palladium B

11:30 a.m. | Lunch Palladium B

Tuesday 4 W/WW TCH / 1 W TCH (Raiders of the Lost Water)
Wednesday 3 W/WW TCH

12:30 p.m. | Welcome Palladium C

12:45 p.m. | An Introduction to the WaterNow Alliance (WNA)
Walt Wadlow, WaterNow Alliance

The speaker will brief attendees on this group, which is a network of local water leaders who want to champion sustainable, affordable and climate resilient water strategies. Since 85 percent or more of water infrastructure spending occurs at the community level, and 87 percent of people nationwide are served by public water utilities, WaterNow Alliance recognizes that the policies, strategies and priorities established by local leaders have the power to fundamentally shift how we think about and use water. WNA's members are elected and appointed governing body members, general managers, city managers and utility executive directors. The group is concerning itself with work that includes creating a valuable network for members, engaging in discussions of key policy issues, and helping to find financing solutions. The speaker will discuss WNA’s April 15-16 event in Philadelphia. This presentation will introduce attendees to a network that provides professional connections, information, and learning opportunities that could help them do their jobs more effectively.
1:30 p.m.  |  Affordability
Larry Levine, Natural Resources Defense Council
Daniel Van Abs, Rutgers University,
School of Environmental & Biological Sciences

Residential water and sewer bills have long been rising faster than inflation and median household income, creating stress on low-income households’ ability to pay. At the same time, from the utility perspective, existing rates may be too low to generate sufficient revenues to operate, maintain and repair the system. Both kinds of financial stress—upon ratepayers and utilities—will be exacerbated by the costs to upgrade aging and inadequate utilities to meet current and future health and environmental standards. This session presents two NJ-specific studies that evaluate household-level affordability of residential water and sewer utility service and policy options to improve affordability.

2:15 p.m.  |  Business in the Garden State
Ray Cantor, New Jersey Business and Industry Association (NJBIA)

NJBIA is widely regarded as the most credible and effective advocate for business in the Garden State. This presentation will touch on overall policy concerns NJBIA has with regard to the Administration and the organization and memberships’ major public policy goals.
3:00 p.m. Concurrent Session

10A Palladium C
3:00 p.m. | AEA Presentation

3:30 p.m. | A Digital Twin...Integration of Multiple Modeling Tools to Promote Public Safety

Michael Mulcare, Mott MacDonald

A digital twin called Safe Swim was developed to provide a public focused web app presenting a simple risk indicator to swimmers based on predictive analytics as opposed to retrospective sampling data in response to Auckland’s need to communicate public health risk from sewer system overflows to recreational water users. The speaker will discuss how Safe Swim twin leverages a single smart infrastructure platform to coordinate all supplier data, perform water quality analytics and power the public facing application.

10B Tiberius
3:00 p.m. | RAIDERS of the Lost Water – “Marco to Micro Water Loss Control Strategy”

Andrew Holt, Suburban Consulting Engineers

New Jersey’s currently established Water Allocation Permitting process empowers water utilities throughout the state, with support from regulatory agencies, to be stewards for the public and health safety of our water resources. However, aging infrastructure is inhibiting the efficiency and accountability of this resource by producing a high volume of non-revenue water, with unreported leaks being by far the largest of the categories. The speaker will discuss how the AWWA M36 Water Audits and Loss Control Programs provides water utilities with the Best Management Practice tools and guidance to address this issue.

4:00 p.m. | AEA Presentation

5:00 p.m. | Networking Reception Palladium B

Following Concurrent Sessions

Please be sure to scan out to ensure accuracy for continuing education credits.
Wednesday, March 11

7:00 a.m. | Continental Breakfast *Palladium B*

8:30 a.m. | Welcome *Palladium C*

8:45 a.m. | “The Memory Game”
Matthew Goerke

Matthew is the developer of the “Memory Switch Program” the most utilized program of its kind ever developed. His interactive approach will help attendees learn to remember long lists (& your spouse’s birthday); recall important facts and data; reduce test anxiety, keep your memory young and more.

10:00 a.m. | Energy Master Plan
Steven Goldenberg, Giordano Halleran & Ciesla

Gearoid Foley, President of Integrated CHP Systems and Senior Technical Adviser to US DOE’s CHP Technical Assistance Partnership

The focus of this presentation will be on the Energy Master Plan. The speakers will also discuss the Energy Infrastructure P3 bill. The purpose of the bill is to leverage the resources and know-how of the private sector to facilitate long overdue energy projects that will enhance the reliability, resilience and efficiency of the state’s energy infrastructure by introducing state-of-the-art energy systems to replace aging and obsolete infrastructure.

10:45 a.m. | PFAS / PFOS… “The Real Deal or a Fire Drill”
George Tyler, Esq., the Law Office of George J. Tyler
Margaret Carmeli, Esq., Offit Kurman

The speakers will present basic information concerning Perfluorooctanoic acid (PFOA), and perfluorooctanesulphonate (PFOs) which have been in the news as the health risks associated with these chemicals have gained notoriety. These compounds belong to the wider class of perfluoroalkyl compounds which were once viewed as
beneficial and safe. Recent studies however have indicated that these compounds are health and environmental hazards. They will note that PFOA and PFOs were once heralded by manufacturers as critical to many common consumer products as well as critical assets to public safety in fighting products. As a result, these chemicals are present virtually everywhere in the environment and in humans.

11:20 a.m.  **Concurrent Sessions**

**11A Palladium C**

**Energy: Hot Topics in Energy and Financing Alternatives**

Robbi Acampora, Phoenix Advisors; Bryan McGair, Schneider Electric
Michelle Rossi, New Jersey Board of Public Utilities

This panel will discuss the latest updates on implementing energy efficiency projects for New Jersey Authorities. Energy Savings Improvement Program (ESIP) financing will be discussed. Additionally, the installation of energy efficiency measures such as motor upgrades, variable frequency drives, on site generation and photovoltaic systems will be presented.

**11B Tiberius**

**Stormwater Utilities: Resource Center for NJ Residents and Local Officials**

Gary Brune, New Jersey Future

In March, 2019, Governor Murphy signed the Clean Stormwater and Flood Reduction Act which authorized localities in New Jersey to establish a stormwater utility to address chronic flooding, water quality, and aging infrastructure. This presentation will outline New Jersey Future’s planned release of a resource center website in the summer of 2020 that will provide basic background and technical information on stormwater utilities to help interested residents and local officials determine if this tool is right for their community.

12:15 p.m.  | **Recognition Luncheon** Palladium B

Please join AEA for its annual celebration of achievement at the Recognition Luncheon.
All Covered
From cloud computing to information management to IT services, All Covered helps your employees have the information and tools they need to succeed in today’s ever evolving world. We offer a spectrum of technology solutions that have been helping companies with IT support and technology needs for many years. With over 600 engineers in more than 40 markets, All Covered can be your single point of accountability for all your technology needs. - See more at www.allcovered.com.

CME Associates
Full service environmental consulting engineering firm performing water and wastewater engineering, recycling and solid waste, biosolids, composting, landfill engineering, municipal engineering, transportation and highway design, storm drainage and flood control, environmental consulting services, hazardous waste consulting, brownfields redevelopment, parks and recreation design and project planning and management.

EMEX
EMEX, LLC (“EMEX”) is a national leader in energy procurement and reverse auction technology. EMEX transacts annually in hundreds of millions of dollars of electricity and natural gas products for business and government entities, making it one of the largest privately held energy consulting and risk management firms in North America. EMEX’s reverse auction platform has created a strategic shift in how energy is bought and sold throughout the country and is now considered a best practice for energy procurement. EMEX is a multi-year Recipient of the Business Leader of the Year by The New Jersey Conference of Mayors (NJCM).

French & Parrello Associates (FPA)
is a multi-discipline engineering firm employing over 160 professionals, with eight locations across New Jersey, New York, Pennsylvania and Georgia. Founded over 45 years ago, the firm has established a reputation of technical excellence and responsiveness on diverse and complex projects. Backed by their technical expertise and wide range of services, their commitment to client satisfaction has made them a leader in engineering design from project conception to closeout. FPA is committed to bringing exceptional service and value to each project through focused attention, timely response and innovative solutions.
Maser Consulting
Maser Consulting is known and respected as a multi-discipline consulting and engineering design firm that employs over 950 professionals nationwide. Headquartered in Red Bank, NJ, the Firm has been recognized by NJBIZ Magazine as one of New Jersey's Finest and has consistently ranked as one of the Top 500 Design Firms by Engineering News Record. The firm has been providing water and wastewater engineering services to authorities and municipalities since the firm’s inception, over 3 decades ago. Maser Consulting uses the latest technology to provide its clients with cost effective and timely water and wastewater solutions.

Mott MacDonald
We're a global engineering, management, and development consulting firm focused on guiding our clients through many of the planet's most intricate challenges. In partnership with you, we establish the steps to meet your strategic ambitions, using analytical front-end advice that helps you fund, plan, design, deliver, and sustain your goals. Our clients are strengthening water, wastewater and solid waste infrastructure, meeting increased demand, protecting water resources, cutting energy use, reducing carbon and achieving cost effective solutions. Find out how you can join them. Member for over 30 years.

Suburban Consulting Engineers
SCE is a multi-disciplined engineering, landscape architecture, land surveying, environmental and geospatial firm creating design solutions for various water/wastewater utility clients and specializing in State and Federal funding programs, system design/rehab, I&I studies, AMP, Master Plans, GIS mapping, water allocation permitting, soil remediation, fire flow testing, cyber security, O&M manual, enhanced GIS as-built plan capabilities etc.

SWANA
The Solid Waste Association of North America (SWANA) is an organization of more than 11,000 public and private sector professionals committed to advancing from solid waste management to resource management through their shared emphasis on education, advocacy and research. For more than 50 years, SWANA has been the leading association in the solid waste management field. SWANA serves industry professionals through technical conferences, certifications, publications and a large offering of technical training courses. For more information, visit swananj.org.
About the Presenters

Bio of Feature Speaker

Matthew Goerke is the developer of the “Memory Switch Program” the most utilized program of its kind ever. His live workshop entitled “The Memory Switch” will instruct people in the new advances in memory technology as well as help them gain insight into how these methods are in direct alignment with helping people achieve both business and personal goals. “There is no such thing as a bad memory just an untrained one.”

Robbi Acampora has extensive work experience in the budget, comptroller and county administrator's offices of a New Jersey county. Previous to her present position, she worked with Sustainable Jersey, assisting schools and municipalities with energy savings projects. Prior to that, Robbi was president at Capital Financial Advisors. She has a bachelor’s degree in accounting from Rutgers University.

Gary Brune’s primary focus areas at New Jersey Future are stormwater utilities and lead in drinking water, with ancillary work on energy issues and water financing policy. Prior to joining New Jersey Future, Gary was the chief financial officer at the New Jersey Department of Transportation. He also served as the executive director of the Transportation Trust Fund, developing policy options for program reauthorization. Prior to DOT, Gary worked at the New Jersey Office of Management and Budget (OMB), rising to the position of associate director. At OMB, he developed budget recommendations for transportation, environmental protection, and capital/infrastructure, among other areas. During this time, Gary also served on the New Jersey Commission on Capital Budgeting and Planning.

Raymond Cantor, an attorney whose career has included high-level positions in the legislative and executive branches of government, is Vice President of Government Affairs at NJBIA. Cantor, a former assistant commissioner and, later, chief adviser to the commissioner of the Department of Environmental Protection, leads NJBIA's advocacy efforts on environmental and energy matters affecting the business community.

Margaret Carmeli, Esq. was also a founding member of Tyler & Carmeli, P.C. and is now a Principal Attorney at Offit Kurman. She has been involved in providing representation to public and private clients on a broad spectrum of matters including environmental, redevelopment, community relations, labor, land use, general business matters, insurance coverage and related litigation.

Gearoid Foley has worked for the past three decades in the construction, HVAC and onsite power industries. He is an active energy industry participant and is a member of ASHRAE and the Association of...
Energy Engineers. He is a board member and past president of the NJ AEE, is a voting member of ASHRAE’s Cogeneration Committee, has served as peer reviewer for DOE’s Distributed Energy program and is technical advisor for the NJ CHP/DG Coalition. Mr. Foley has collaborated with state agencies throughout the Mid-Atlantic region including the NJ BPU, NJ EDA, PA PUC, PA DCED, MD MEA and DE DNREC and has provided testimony and program development support for energy efficiency, combined heat & power and resilience programs.

Steven Goldenberg serves as Chair of the firm’s Energy, Climate Change & Public Utilities Practice Group. He concentrates his practice in public utility law, with a particular emphasis on energy regulatory matters. Since 1996, Steve has played a lead role in literally all matters of consequence before the New Jersey Board of Public Utilities, including the restructuring of the State’s electric and natural gas industries from a monopoly to a competitive model, utility rate and merger proceedings, energy infrastructure proceedings, and regulatory matters involving the formulation and implementation of the State’s energy policies.

Andrew Holt is SCE’s Executive Vice President with over 30 years of consulting engineering experience. This encompasses a broad range of civil and environmental engineering projects for both public and private clients. Mr. Holt generates opportunities for professional staff to be creative in developing solutions for our client’s success.

Larry Levine is Director of Urban Water Infrastructure & Senior Attorney in Natural Resources Defense Council’s “Healthy People & Thriving Communities” Program. He advocates for effective enforcement, and improvement, of national, state, and local policies on urban water quality, water use efficiency, water infrastructure, and affordable access to safe and sufficient water and sanitation.

Bryan C. McGair is an Account Executive at Schneider Electric in their Energy and Sustainability Services division. He is responsible for project coordination of all professionals and resources specifically in Energy Savings Improvement Programs (ESIP). His primary focus is on coordination and communication with clients to ensure successful implementation of the energy savings project. During his short time with Schneider Electric, Bryan has successfully completed over $20M dollars of ESIP projects that have included solar implementation, building automation systems, boilers, HVAC systems, and many other energy conservation measures that have saved clients millions of energy dollars.

Michael Mulcare is Mott MacDonald’s Smart Infrastructure Leader based in Arlington, VA. His work focuses on integration of sensory technology, communications infrastructure, data management and analytics, and
enterprise systems to enable effective system management. Mike has an Electrical Engineering Bachelors from Georgia Tech, Masters from Harvard University, and MBA from MIT.

George Tyler, Esq. was a founding member of the law firm of Tyler & Carmeli, P.C., now known as The Law Office of George J. Tyler, P.C. He is the managing attorney at that firm. He has an extensive practice before municipal, county, state and federal courts and agencies in a wide variety of business, corporate, environmental, redevelopment, labor, insurance coverage and real estate matters as well as related litigation.

Michelle Rossi, Energy Saving Improvement Program (ESIP) Coordinator for the State Energy Office of the New Jersey Board of Public Utilities, has served the Board and the citizens of New Jersey since 2008. In her current position as the ESIP Coordinator, Ms. Rossi facilitates the process of retrofitting public facilities with Energy Conservation Measures (ECM) without new capital investment. Under the authority of the Board, Ms. Rossi reviews, modifies and approves many aspects of the ESIP Program, which allow local government entities and school districts to implement much-needed facility improvements that are paid for using the resulting energy savings.

Dan Van Abs, Ph. D., is an Associate Professor of Practice for Water, Society & Environment at Rutgers University, School of Environmental and Biological Sciences, where he focuses on planning and management policy for water infrastructure, water supply, wastewater and watershed protection. He previously served in senior water resources management roles at the Highlands Water Protection and Planning Council, NJ Water Supply Authority, and NJDEP.

Walt Wadlow serves as Director of Utility Relations for WaterNow Alliance. He is a civil engineer with over 30 years of experience in public water utility management. He served as the General Manager for the Alameda County Water District, a retail public water utility serving about 350,000 people; and was the Assistant General Manager for the Santa Clara Valley Water District, a wholesaler serving most of Silicon Valley. In his role with WaterNow, Walt assists in outreach to local, state, and federal government entities in support of the WaterNow Alliance and its projects as well as strategic planning and project management. Walt is a past-president of the California State Water contractors and is serving in his third term as an appointed member of the City of Santa Cruz Water Commission. He holds undergraduate and graduate degrees in engineering from Stanford University.