



WASTEWATER ENERGY RECOVERY SUMMIT

December 8, 2023, 8am – 3:30 pm EST

SPEAKER BIOGRAPHIES



BONNIE HEIPLE
COMMISSIONER
MA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bonnie Heiple is Commissioner of MassDEP. Prior to joining the agency on March 13, 2023, Commissioner Heiple was counsel at the law firm Wilmer Cutler Pickering Hale and Dorr, where she practiced environmental and energy law nationally. Her environmental work includes litigation, regulatory compliance, and advising clients in rapidly evolving areas, including environmental, social, and governance issues. Her energy practice focused on permitting renewable energy generation, transmission, and storage projects across the U.S. Commissioner Heiple is a graduate of Boston University School of Law and *magna cum laude* from Bucknell University, she is a leader in the American Bar Association's Section on Energy, Environment, and Resources, and serves on the Boards of the Women's Bar Foundation, Women's Energy Network, and American Lung Association.

JOHN BELING

DEPUTY COMMISSIONER FOR POLICY AND PLANNING
MA DEPARTMENT OF ENVIRONMENTAL PROTECTION

John Beling is the Deputy Commissioner for Policy and Planning at MassDEP. He recently served as Commissioner of the Vermont Department of Environmental Conservation, where he led a 350-person agency and helped implement the state's environmental justice law, expand Vermont's approach to PFAS, deployed federal infrastructure funding, and led recovery efforts related to recent catastrophic flooding.

He previously worked at the U.S. Department of Justice, the U.S. Environmental Protection Agency, the offices of attorney general for both Massachusetts and Vermont, and Vermont's Department of Public Service. He also previously worked at DEP, as a deputy director of its Central Regional Office in Worcester, and as senior regional counsel. Beling grew up in Framingham, Mass., and attended Tufts University and St. John's University School of Law.



MORNING SESSION: TECHNOLOGY PRESENTATIONS



ED RUBINSTEIN

VICE PRESIDENT
NOVENTA ENERGY

Ed Rubinstein, presenting for HUBER, is Noventa's Vice-President of Business Development. A proven leader in Environmental, Social and Governance strategy, Ed has been leading and developing environmental sustainability programs and teams for almost 25 years. Prior to joining Noventa, Ed led the University Health Network's award-winning Energy & Environment team, and was instrumental in spearheading numerous district energy, decarbonization, energy efficiency and sustainability projects. Ed's work has been recognized with multiple awards including being honoured as a member of the 2018 Clean16.

AARON MILLER

EASTERN REGIONAL MANAGER
SHARC ENERGY



Aaron Miller has extensive experience working on both sides of the energy meter. He began his career designing low voltage lighting, HVAC control, and building automation systems for New York City high rise buildings. Upon earning his Certified Energy Manager (CEM) and Certified Energy Procurement Professional (CEP) accreditations, Aaron provided supply-side and sustainability advisory services to many of the nation's largest healthcare and commercial real estate companies. Before joining SHARC Energy Aaron was working in the demand-side space, where he focused primarily on deploying deep energy efficiency retrofits in the greater New York area.



FRANK URRO

HEAD OF NORTH AMERICAN BUSINESS
UHRIG-BAU

Frank Urro is the Head of UHRIG's North American Business Unit. He is a Boston-based energy expert with 40 years of experience in commercial building energy efficiency and renewable energy generation. He is a 1983 graduate of Northeastern University College of Electrical Engineering and Earth Science.

Throughout his career, Frank has helped countless commercial property owners and developers realize the financial and environmental benefits of sustainable energy technologies. His belief is that educating others about the potential of renewables to reduce energy costs and reliance on fossil fuels is the key to a sustainable yet prosperous commercial future.

Frank's approach to technology deployment is focused on financial practicality and technology reliability. He advocates for technologies that are available today that can be seamlessly integrated into existing building designs.

Frank is a recognized leader in the field of commercial building energy efficiency and renewable energy and has been a featured speaker locally, nationally and internationally.

MORNING SESSION: WASTEWATER FRAMEWORK DISCUSSION

Co-facilitators: Amy Barad and Michael DiBara



AMY BARAD

MASSACHUSETTS CLEAN ENERGY CENTER

Amy Barad has directed grant programs at the Massachusetts Clean Energy Center in a variety of areas, including commercial-scale heat-pump systems and hydropower. Prior to MassCEC, Amy worked at the Department of Public Utilities and in the Wastewater Division of the Mass Water Resources Authority.

OWEN BRADY

DIRECTOR, FUTURE OF HEALTH SOLUTIONS
NATIONAL GRID, REPRESENTING MASS SAVE

Owen Brady-Traczyk is the Director, Future of Heat Solutions in National Grid's Customer group, leading a team that develops and deploys innovative solutions, such as networked geothermal, for National Grid's gas customers, ensuring that their needs are met while also helping them to decarbonize.

In his time at National Grid, Owen has led Future of Heat testimony development in recent rate cases, which included \$190M worth of proposals focused on integrating geothermal loops, Renewable Natural Gas (RNG), and hydrogen into the gas utility portfolio, and has been one of the leads for the network geothermal/thermal energy network pilots.



JENNIFER AMATORE

ENERGY EFFICIENCY CONSULTANT
EVERSOURCE, REPRESENTING MASS SAVE



Jennifer Amatore is an Energy Efficiency Consultant at Eversource. She works with municipalities and government agencies in Massachusetts by providing guidance on energy efficiency and decarbonization improvements in their buildings and helping them access incentives to support these projects. Jennifer has been with Eversource for 1 year and has been working within Mass Save for 8 years.

ELIZABETH TAGLIERI

EXECUTIVE DIRECTOR

CHARLES RIVER POLLUTION CONTROL DISTRICT

Elizabeth Taglieri is the Executive Director of the Charles River Pollution Control District, a regional advanced wastewater treatment plant in Medway, Massachusetts that is designed to treat 5.7 mgd. Ms. Taglieri joined the District in 2010 as the District's Engineer and Industrial Pretreatment Program Coordinator and has been the Executive Director since 2014. She holds a Bachelor of Science degree in Civil Engineering with a concentration in Environmental Engineering and a Master of Science degree in Environmental Engineering both from Worcester Polytechnic Institute. Ms. Taglieri is a registered Professional Engineer in Massachusetts and a Licensed Grade 7-C Wastewater Treatment Plant Operator. While she was the engineer, she assisted in the oversight of an energy efficiency project to install solar panels at the treatment plant and to install high efficiency turbo blowers for the aeration system, which was funded by ARRA grant monies.



GAIL SULLIVAN

MANAGING PRINCIPAL

STUDIO G ARCHITECTS



Gail Sullivan builds sustainable communities through architecture and planning by advancing social equity, environmental sustainability, community preservation, and empowerment through engagement. Establishing Studio G Architects in 1993, she leads by example to demonstrate the power of public interest architecture. Her projects include housing, K-12 schools, higher education, early learning centers, public/institutional, commercial buildings, and community centers. She artfully resolves complex functional, social, and programmatic concerns, particularly those that integrate building, neighborhood, and urban scales. Gail is committed to designing sustainable communities: green, mixed-use, transit-oriented places that support a diverse population. She advocates zero net energy as the target against which to measure every project's performance. She is a member of the AIA College of Fellows, CREW Boston, US Green Building Council, Living Building Challenge, and Citizens Housing and Planning Association. Gail is licensed in Mass., Maine, and Rhode Island, and holds an NCARB certificate.

SEAN OSBORNE

PRINCIPAL

OSD ENGINEERING CONSULTANTS

Sean Osborne is the founder and principal of OSD Engineering Consultants. He is the Chair of the New England Water Works Association Small Systems Committee. Mr. Osborne is on the American Water Works Association (AWWA) Hydrant Standards Committee and is a former member of the AWWA Board of Directors. He also served as the Speaker of the Water Environment Federation (WEF) House of Delegates. Sean is a AWWA/WEF Veterans Water Workforce Initiative Liaison. He has been interested in renewable energy since he helped produce a series of articles for *The Princeton Engineer* magazine in the 1980s.

Mr. Osborne earned his B.S. in Civil Engineering degree from Princeton University and a M.S. in Civil Engineering degree from UMass-Lowell. He is also a public historian who successfully championed legislation that designates July 8 as Massachusetts Emancipation Day (also known as Quock Walker Day).



AFTERNOON SESSION: RESOURCES AVAILABLE



MICHAEL DIBARA

PROJECT MANAGER, CLEAN ENERGY RESULTS PROGRAM
MA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Michael DiBara is a Project Manager at the Massachusetts Department of Environmental Protection (MassDEP's) Clean Energy Results Program and has over 35 years' experience as an environmental manager in both the public and private sectors. Since 2007, Michael has been leading MassDEP's energy-saving efforts at drinking water and wastewater plants across the state. He developed the Massachusetts' Gap Energy Grant funding model, which has recently been expanded to other sectors. He was a 2002 recipient of the Commonwealth of Massachusetts' Fellowship for Excellence in Public Administration at Suffolk University, earning his Master's in Public Administration degree.

AFTERNOON SESSION: TAPPING INTO ENERGY FROM WASTEWATER

Co-Facilitators: Michael DiBara and Brian Postale

BRIAN POSTALE

REGIONAL ENGINEER

MA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Brian Postale is a regional engineer in MassDEP's Central Regional Office (CERO) in Worcester. Brian has over 25 years of environmental and compliance experience in large industrial plants, covering all media areas including: Air, Municipal and Industrial Wastewater, Hazardous and Solid Wastes, Biosolids, and Remediation. During the last 8 years at MassDEP, Brian has been a key technical and hands-on inspector and resource for ensuring compliance with MassDEP's Waste Bans, including providing suggestions and guidance on biosolids management and other complex, multi-media engineering projects in CERO.

SAUL KINTER

PROGRAM MANAGER

BUSINESS DEVELOPMENT & ENERGY INITIATIVES

DC WATER

Saul Kinter is the Program Manager for Business Development and for Energy Initiatives at DC Water. He holds a BSE degree from Princeton University, where his thesis described a new model for distributing surface water according to the Texas water rights system and has published or spoken on a wide-ranging set of topics, including climate variability, ocean-atmosphere gas transfer, the value of water conservation, and wastewater thermal energy. At DC Water, he developed the Bloom biosolids marketing program, and is currently responsible for developing new revenue streams, including from renewable energy.





TRAVIS ANDERSON
SENIOR INFRASTRUCTURE AND ENERGY PLANNER
BOSTON PLANNING AND DEVELOPMENT AGENCY

Travis Anderson is the Senior Infrastructure and Energy Planner at the City of Boston's Boston Planning and Development Agency. He leads the Boston Smart Utilities Program that fosters the development of resilient, equitable, and innovative infrastructure within the City of Boston including; Geothermal Districts, EV adoption and targeted Distributed Energy Resources. Travis is also a member of the Interagency Green

Building Committee that ensures proposed new construction projects comply with the City of Boston's decarbonization and climate goals. He is trained as an architect and is a Certified Passive House Consultant.

DREW THOMPSON
RESOURCE RECOVERY PROJECT MANAGER
WASTEWATER TREATMENT DIVISION, KING COUNTY

Drew Thompson is a Resource Recovery Project Manager for King County's Wastewater Treatment Division (WTD), focusing on energy and carbon emissions reduction strategies that will help WTD become carbon neutral. He conducts energy analysis, reporting, and forecasting to support WTD's capital projects that align with King County's Strategic Climate Action Plan (SCAP). Drew plays a key role in managing King County's sewer heat recovery initiative, including educating colleagues and commercial property owners about King County's initiative and ensuring approved users have a seamless experience with King County as their sewer heat recovery project is underway.



Drew studied mechanical engineering at the University of Idaho and holds a certification in Project Management Professional (PMP). You'll find Drew coaching youth track and outdoors, enjoying everything about the Pacific Northwest when not working.

**WINSON CHENG****SENIOR PROJECT ENGINEER****LIQUID WASTE SERVICES BUSINESS DEVELOPMENT TEAM****METRO VANCOUVER**

Winson Cheng is a Senior Project Engineer with Metro Vancouver's Liquid Waste Services Business Development Team. Winson's work focuses on corporate and regional energy and resource recovery initiatives such as planning projects and developing policies on waste heat recovery, renewable natural gas, and reclaimed water. Winson also coordinates and manages requests for sewer heat recovery from local member municipalities and developers across the Metro Vancouver region, to leverage the regional wastewater system as an energy source for low-carbon district energy projects.

COLIN JEFFERY**PROJECT ENGINEER****KERR WOOD LEIDAL**

Colin Jeffery is a Project Engineer at Kerr Wood Leidal who is supporting Metro Vancouver's Business Development Team. Colin's work focuses on opportunities for reducing the environmental impact of our built infrastructure and energy systems. This includes exploring opportunities for de-carbonizing existing processes, as well as identifying opportunities for resource recovery, such as sewer heat recovery.

With Metro Vancouver, Colin has helped to implement the Sewer and Waste: Heat Recovery Policy across the region on resource recovery projects. Utilizing the Policy, Metro Vancouver is currently partnering with public and private entities on a number of sewer heat recovery projects across the region.

