



Topic: The State of Recycling

Location: UMass Amherst – Murray D. Lincoln Campus Center – Amherst Room

Date and Time: March 1, 2023 @ 7:15am

(A Networking Meet & Greet will be held from 6:30pm – 8:30pm on February 28th)

Agenda

- 7:15am** Coffee & Continental Breakfast – Amherst Room
- 8:00am** **Welcome**
- Kevin Roche – CEO & SWANA Region 8 Director
- Tilman Wolf, Sr. Vice Provost, Academic Affairs & Associate Chancellor, Space & Capital Planning – University of Mass Amherst
- David Biderman – Executive Director & CEO – Solid Waste Association of North America
- Facilities of the Future – MRF Design and Equipment**
Moderator – Kevin Roche – NNE Chapter
Nathiel Egesi, PE, President – President – RRT Design & Construction
Chris Hawn, CEO – Machinex Technologies
Mark Neitzey, National Sales Director – Van Dyk Recycling Solutions
- Q & A**
- 10:00am** **Break**
- 10:20am** **Facilities of the Future - Operations**
Moderator – Carla Jordan – New York Chapter
Tom Outerbridge, President – SIMS Municipal Recycling
Bob Cappadona, Region Vice President of Resource Solutions – Casella Waste Systems
- Public Sector Perspective**
Sarah Reeves, Executive Director – Chittenden Solid Waste District
- 12pm** **Lunch – Presentation – Recycling Trends**
Will Flower, Sr. Vice President, Corporate & Public Affairs – Winter Bros.
- 1:15pm** **MRF Markets & Economics**
Joe Pickard, Chief Economist – Institute of Scrap Recycling Industries (ISRI)
- 2:00pm** **Facilities of the Future – Automation, Optical Sortation & Robotics**
Moderator Inga-Lermontov-Hoit – Southern New England Chapter
Felix Hottenstein, Director of Sales - MSS
Eric Camirand, Co-Founder & CEO - Wasterobotics
Amanda Marrs, Sr. Director of Product – AMP Robotics

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Description – “The State of Recycling” – The last few years have been a bumpy road for us recyclers. Markets have been up and down, sources of recycled paper and packaging have changed dramatically, MRF equipment is aging, and labor is in short supply. Putting all this together, what does the future hold? Our experts selected for this technical session will offer insight into the State of Recycling and the facilities that do the processing, the quality of the materials recovered and what to expect in the coming years.

Region 8 Chapters – SWANA

New York State – Luann Meyer – Chapter President

Northern New England – Paul Schmidt – Chapter President

Southern New England – Brian Card – Chapter President



David Biderman – Executive Director & CEO – Solid Waste Association of North America

David Biderman is the Executive Director and CEO of SWANA and has been a leader in the waste industry for more than 20 years. Mr. Biderman joined SWANA in April 2015 after 18 years with the National Waste & Recycling Association, where he was their General Counsel, Vice President for Government Affairs and Safety Director. Mr. Biderman is the former industry lobbyist in New York City and is very passionate about safety. He was the recipient of Preco's Safety in Motion award for 2016, given to an individual who is making a difference on safety. He has provided safety and compliance training to thousands of workers throughout the United States and Canada. Prior to entering the waste industry, Mr. Biderman was an attorney at the Washington DC law firm Steptoe & Johnson, where he specialized in environmental and transportation law. He graduated from the University of Pennsylvania Law School and Johns Hopkins University.



Eric Camirand, Co-Founder & CEO – Wasterobotics

Eric Camirand, Co-Founder & CEO
Eric brings over 25 years of leading-edge innovative business management and technology development and deployment experience in various fields such as audio-digital software, renewable energy and waste management.



Bob Cappadona, Region Vice President of Resource Solutions – Casella Waste Systems

Bob Cappadona serves as a Vice President of Casella Resource Solution team at Casella where he is responsible for the oversight of Casella's Recycling, Organics and Professional Services Operations which include Commodity Marketing, Operations and Technology & equipment for capturing new material and improving the quality of materials recovered. Bob has over 30 years of experience in the waste and recycling industry, spending 25 years with Casella in various roles including oversight of Casella's 20 Recycling Facilities. Bob's leads a team of professionals who process and market over 1,500,000 tons of recyclables and organic materials each year and is key to the implementation of Casella's long-term resource solution strategy. He received a Bachelor of Science degree in Business Management from the University of Mass of Lowell.



Will Flower, Sr. Vice President, Corporate & Public Affairs – Winter Bros.

Will Flower serves as the Senior Vice President of Corporate and Public Affairs for Winters Bros. Waste Systems on Long Island. The company operates 12 transfer stations, 6 recycling centers, and employs about 475 people.

Will has 40 years of experience in the area of solid waste management and environmental protection. Prior to his current role, Will served as the CEO and president of a large-scale recycling operation on Long Island. He has also worked in the Director's Office of the Illinois Environmental Protection Agency and has held operational and executive leadership positions at Waste Management, Inc. and Republic Services, Inc.

He is an active member of the **Solid Waste Association of North America** and the **National Waste and Recycling Association**. Will is also a member of the editorial advisory board for **Waste Advantage Magazine** and writes a monthly column regarding safety in the recycling and solid waste industry.



Mark Neitzey, National Sales Director – Van Dyke Recycling Solutions

Mark Neitzey graduated from Texas A&M University in 1993 with a Bachelor of Science degree in Engineering Technology/Industrial Distribution. From 1994-2002, he was a Regional Sales Manager for KOBELCO Construction Machinery. He then moved on to Van Dyk Recycling Solutions as Southwest Regional Sales Manager and was named Van Dyk’s National Sales Director in April of 2014.

Mark has been involved in over 100 recycling equipment projects over the last two decades, including: simple roll cutting and baling sites, large baling systems, wood waste screening, C&D sorting systems, automated MSW/fuel systems, commercial sorting systems, PET/Plastics sorting systems, single stream sorting systems and system retrofits. Mark lives in Houston, TX and travels throughout North America, gaining a broad perspective on the industry and its current trends.



Nathiel Egosi, PE, President – President – RRT Design & Construction

Since 1989, RRT has been building recycling facility infrastructure and businesses for the solid waste and recycling industry. From leading the development and construction of over 500 projects including over 100 new greenfield facilities built in 27 states, Canada and Puerto Rico, Mr. Egosi has pioneered the development of advanced technologies for the recycling, scrap, and solid waste industries.

He is widely recognized as an expert in process engineering and equipment design for the recovery of materials and energy from solid waste, food waste processing, metals from ash, processing of waste materials into engineered fuels, and advanced material beneficiation and refining of wastes for re-use.

Mr. Egosi is a registered Professional Engineer in twenty-seven states and a graduate of the Polytechnic Institute of New York (now New York University). He is also co-founder and collaborating partner of the annual MRF Operations Forum, the only national conference dedicated solely to MRF operations.



Chris Hawn, CEO – Machinex Technologies’

Chris Hawn joined the Machinex team as North American Sales Manager and currently resides as the Chief Executive Officer of Machinex Technologies Inc. From the processing, and end product development, of recyclable commodities to the separation of curbside collected materials, Chris has worked in the waste and recycling industry for more than 24 years.



Amanda Marrs, Sr. Director of Product – AMP Robotics

Amanda Marrs is senior director of product for AMP Robotics, responsible for technical product development for the company’s artificial intelligence platform, robotic sorting systems, and software capabilities. She has more than 10 years of experience in product development at General Electric and Amazon.com with a focus on hardware and software products used in industrial processes. Marrs holds a master’s degree in management science and engineering from Stanford University and a bachelor’s degree in aerospace engineering from the Georgia Institute of Technology.



Felix Hottenstein, Director of Sales – MSS

“Felix received his Master’s Degree in Material Science Engineering from the Federal Polytechnical Institute in Zurich, Switzerland (ETHZ). For over 23 years, Felix has been Sales Director for MSS Inc., a division of the CP Group. Based in Nashville, TN, MSS designs and manufacturers optical sorting technology for all areas of the recycling and waste management industry.”



Tom Outerbridge, President - SIMS Municipal Recycling

Thomas Outerbridge has worked in the field of recycling and composting since the 1980s. Nearly 20 years ago he played a lead role in the creation of SMR, of which he is now President. SMR is the processor and marketer of all commingled curbside recyclables collected in New York City, as well as recyclables from other NY-NJ metro area municipalities. SMR has managed recyclables for Palm Beach County, FL since 2019, and in October 2022 took over operation of the Lee County, FL recycling facility.

Prior to the creation of SMR, Outerbridge owned and operated his own consulting business focused on developing composting and recycling projects for private companies and government agencies. Prior to that he spent five years working with the NYC Department of Sanitation as the Director of Composting where he was responsible for developing and implementing composting programs for residential and institutional food and yard waste. Before working for the City of New York, he worked for the State of Maine, drafting its first waste reduction and recycling plan.

Outerbridge has chaired the Executive Board of the NYC Manufacturing and Industrial Innovation Council, advocating for public policy to support the role of industrial businesses in building a diverse, resilient, and sustainable NYC. He is on the Board of Directors of the NYS Product Stewardship Council, leading efforts to pass Extended Producer Legislation in New York. He is an original member of the Circularity Council of The Recycling Partnership, establishing recyclability standards and guidelines for consumer products across all material types. He has played formal and informal roles with many non-profits and trade associations, including the Circular Plastics & Packaging Team of the World Business Council for Sustainable Development, the Newtown Creek Alliance, the Waterfront Alliance, the Product Stewardship Institute (PSI), Rocking the Boat, USAID, NYU Stern Center for Sustainable Business, NYC Citywide Recycling Advisory Board, the Association of Post-consumer Plastic Recyclers (APR), the Glass Recycling Coalition, and the Institute of Scrap Recycling Industries (ISRI).



Sarah Reeves, Executive Director – Chittenden Solid Waste District

Sarah Reeves is the Executive Director of the Chittenden (Vt) Solid Waste District, serving in this capacity for nearly seven years. CSWD is responsible for managing the solid waste generated in Chittenden County, comprising 25% of the population of the state of Vermont. Prior to coming to VT, Sarah spent 15 years working on behalf of the environment: managing the Recycling Department for Rhode Island Resource Recovery Corporation, where she oversaw both operations and programming, as the Recycling Coordinator for the Town of Smithfield, RI, and working for the Sierra Club as an environmental advocate and community organizer. Sarah has held certifications in Recycling Systems Management and Landfill Operations from the Solid Waste Association of North America, served as a member of the Board of Directors of the Northeast Recycling Council for nine years, the Board of the Product Stewardship Institute for one year, and is currently the 2nd Vice President of the Executive Board of the Municipal Waste Managers Association.



Kevin Roche – CEO & General Manager ecomaine – Region 8 Director

As the result of a nationwide search to lead **ecomaine**, Kevin has served as CEO for 14 years. He has worked in the field of solid waste management for 29 years, soon after the first sightings of the Mobro garbage. His jobs have moved him across the country including leadership positions as Broom County Solid Waste Director, City of Glendale Recycling Manager, Plant Manager for Metro Waste, Owner of a recycling facility in Rochester, Solid Waste Coordinator for Monroe County, and GIS Specialist for the City of Rochester. Kevin holds a

Bachelor's degree in Geography from the University of Buffalo where he developed a passion for Geographic Information Systems (GIS) and applied it to mapping out garbage collection routes... the start of a very satisfying career in solid waste management.

At **ecomaine**, Kevin's priority is to advance the organization's mission in providing comprehensive long-term solid waste solutions in a safe, environmentally responsible, economically sound manner and remain a leader in raising public awareness of sustainable solid waste management strategies. Outside of work, Kevin enjoys spending time with his family, barn building, galloping horses, and as a Bills fan.



Tilman Wolf – University of Mass - Amherst

Tilman Wolf is Professor of Electrical and Computer Engineering, Senior Vice Provost for Academic Affairs, and Associate Chancellor for Space and Capital Planning at the University of Massachusetts Amherst. His responsibilities include coordination of teaching initiatives, space assignments and capital projects, academic personnel reviews, and technology for remote instruction. As Associate Dean of Engineering, he led efforts to establish a new Department of Biomedical Engineering, for which he served as interim department head. He co-leads a campus-wide training program to prepare graduate students for teaching. He is engaged in research and teaching in the areas of computer networks, cybersecurity, embedded systems, and machine learning. He is a co-author of the book "Architecture of Network Systems" and has published extensively in peer-reviewed journals and conferences. His research has been supported by grants from NSF, DARPA, and industry. He has taught numerous courses on computer networks, embedded systems, machine learning, programming, and digital design. He is a Fellow of the IEEE.