

WEDNESDAY OPENING PLENARY

Cameo Ballroom

9:00 AM - 10:15 AM

The Business Case For Organics Recycling

Moderator: Nora Goldstein, BioCycle

Bullish On Organics Recycling

Kathryn Garcia
Commissioner, New York City
Department Of Sanitation

What's Your "Big Mac"?

Rod Tyler
Founder And Inventor
Filtrex International

Coffee • Grand Ballroom • 10:15 AM - 11:00 AM

TRACK 1 Cameo Ballroom

TRACK 2 Waterford A

11:00 AM - 12:15 PM

Growing The Industry: Zoning

Moderator: Angel Arroyo-Rodriguez, Ohio EPA

Zoning And Composting 101

Jeffrey Zyontz, Montgomery County (MD) Council Staff

The Zoning Conundrum: Composters' Perspectives

Carla Castagnero, AgRecycle
Justen Garrity, Veteran Compost

Model Zoning Ordinance For Composting Operations:

Panel Discussion

Jeremy Criss, Office of Agricultural Services, Montgomery County, MD

Jeffrey Zyontz, Montgomery County Council Staff

Carla Castagnero, AgRecycle

Justen Garrity, Veteran Compost

Commercial Organics Collection And Composting

Moderator: Craig Coker, BioCycle

County Facility Expands To Meet

Food Waste Processing Demand
Steven Birchfield, Maryland Environmental Service

Putrescible Organics Facility Certification

Dave Ghirardelli, Sacramento Regional Solid Waste Authority

Commercial Sector "Pay As You Throw" Tools

Lisa Skumatz, SERA, Inc.

Buffet Lunch • Grand Ballroom • 12:15 PM - 1:45 PM

1:45 PM - 3:30 PM

Growing The Industry: Feedstock Sourcing

Moderator: Nora Goldstein, BioCycle

Food Waste Opportunities Map

For Recovery And Recycling

Claudia Fabiano and **Andrea Schnitzer**, U.S. EPA

Assessing Feedstock Availability

Michael Theodoulou, GE Water & Process Technologies
Brett Hogarth, Ecostrat

Collaborating Across The Food Supply Chain

Tom O'Donnell, U.S. EPA

Best Management Practices

Moderator: Craig Coker, BioCycle

Odor Impact Assessment, Management and Mitigation — An Australian Experience

Terry Schulz, The Odour Unit Pty Ltd.

Managing Odor "Hot Spots" At Anaerobic Digestion Facilities

Paul Greene, CDM Smith

What's Not Best — Lessons Learned From Closed Facilities

Matthew Cotton, Integrated Waste Management Consulting, LLC

Assessing Options For Aeration Floors

Tim O'Neill, ECS

Refreshments • Grand Ballroom • 3:30 PM - 4:15 PM

4:15 PM - 6:00 PM

Growing The Industry: Scaling Food Recovery, Recycling Solutions

Moderator: Nora Goldstein, BioCycle

Forging A Path — Innovator's Role In Market Development

Sarah Vared, ReFED

Innovator Database Tool

Nathan Clark, ReFED

Models And Opportunities

Panel Discussion

Ann Yang, MISFIT Juicery

Amy Bachman, DC Central Kitchen

Cheryl Kollin, Community Food Rescue

Jeffrey Neal, Loop Closing

Organized in cooperation with



Stimulating Growth In SSO Recovery Infrastructure

Moderator: JD Lindeberg, Resource Recycling Systems

Selling Solutions, Not Landfill Diversion

Sally Brown, University of Washington

Organics Recovery In A Municipal Sustainability Framework

Annie White, DC Public Works

100% Residential Diversion Access, Integrated Processing Solutions

Bridget Anderson, New York City Department of Sanitation

Evening Reception • Grand Ballroom • 6:00 PM - 7:30 PM

WEDNESDAY OPENING PLENARY

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Selling Your Sustainability Story

Bob Joblin

President of Cenergy USA and
Co-Manager of Magic Dirt Horticultural Products, LLC

BIOCYCLE EAST COAST 17

GROWING THE ORGANICS RECYCLING INDUSTRY

APRIL 4, 5, 6, 7, 2017 • BALTIMORE, MARYLAND

NOTE: Speaker biographies are listed alphabetically beginning on page 20. Keynote speaker biographies appear on page 9.

Coffee • Grand Ballroom • 10:15 AM – 11:00 AM

TRACK 3 Waterford B

TRACK 4 Oakdale Room

11:00 AM – 12:15 PM

Farm-Scale Codigestion

Moderator: Melissa Pennington, U.S. EPA Region 3

**Evaluating Impacts On Solids And Liquids
Used As Bedding And Fertilizer**

Jean Bonhotal, Cornell Waste Management Institute

Improving Digester Performance With In-Situ Cleaning
Tom Ferencevic, Yield Biogas Inc.

Codigestion With Gummy Vitamin Residuals
Abhinav Choudhury, University of Maryland

Developing Country Tools

Moderator: Linda Bilsens, Institute for Local Self-Reliance

Low-Tech, Low-Cost Composting In Lebanon
Marc Aoun, Compost Baladi

Bioremediation Using Compost And Vermicompost In India
Peter Ash, Straightash Environmental Solutions

Microbial Preservation For Anaerobic Digestion Inoculum
Andrea Yarberry, University of Maryland

Buffet Lunch • Grand Ballroom • 12:15 PM – 1:45 PM

1:45 PM – 3:30 PM

Biogas And Digestate Markets

Moderator: Mark Stoermann, Newtrient, LLC

ABC Digestate Standard Testing And Certification Program
Patrick Serfass, American Biogas Council

**Market Diversification — From Manufacturing
Biodegradable Plastics To Growing Microalgae**
Bill Elliott, Best Organic Solutions, Ltd and Kilbride Biotech Ltd.

Biogas Market Incentives
Michael H. Levin, Michael H. Levin Law Group, PLLC
John Marciano, Akin Gump Strauss Hauer & Feld

Municipality Closes Loop With AD, Composting And RNG
Paul Oostelbos, Waste Treatment Technologies

Organics Recycling At Schools, Correctional Facilities

Moderator: Mary Schwarz, Cornell Waste Management Institute

Iowa K-12 Schools Make Dent In Food Waste Diversion
Jennifer Trent, Iowa Waste Reduction Center, Univ. of Northern Iowa

Collaborative Composting In North Carolina Region
Kathryn Pohlman, University of North Carolina, Wilmington

**Food Scraps To Orchard Amendment
At Philadelphia Prison Complex**
Laura Cassidy, Philadelphia Prison System

Closing Food Loop In Virginia Department Of Corrections
Lois Fegan, Virginia Department of Corrections

Refreshments • Grand Ballroom • 3:30 PM – 4:15 PM

4:15 PM – 6:00 PM

The Business Of Biogas

Moderator: Craig Frear, Regenis

**Maximizing Financial Performance
In A Changing AD Landscape: The UK Experience**
Robin Szmids, Target Renewables Ltd

**Anaerobic Digestion Applications
From Farms To Food Processors To WRRFs**
Tom Drake, The Louis Perry Group

Air Quality Permitting Insights For Biogas Projects
John Hinckley, Jr., RSG, Inc.

Odor Mitigation Strategies
Alan Johnson, quasar energy group

Expanding High Value Markets For Compost

Moderator: Craig Coker, BioCycle

Panel Discussion:
Ron Alexander, R. Alexander Associates
Carla Castagnero, AgRecycle
Jake Chalfin, Laurel Valley Soils
Charles Duprey, Naturcycle LLC
Dave Girard, Peterson Corp

Evening Reception • Grand Ballroom • 6:00 PM – 7:30 PM

Wednesday April 5, 2017

TRACK 1 Cameo Ballroom

TRACK 2 Waterford A

8 : 3 0 A M - 1 0 : 1 5 A M

Market Stimulants

Moderator: Nathan Clark, ReFED

Organics Diversion — Positive Downstream Transformations
Lisa Skumatz, SERA, Inc.

Food Waste Ban Creates Jobs, Boosts Economic Activity
John Fischer, Massachusetts Dept. of Environmental Protection
Elizabeth Johnston, ICF

Organics Infrastructure: Landfill-Ban It And They Will Build?
Carol Jones, Environmental Law Institute

Renewable Energy Set Asides Push Biogas To Pipeline
Gus Simmons, Cavanaugh & Associates, P.A.

Organics Diversion Models

Moderator: Angel Arroyo-Rodriguez, Ohio EPA

Upstream/Downstream Analysis Of Organics Management In Tennessee
Robert Wadley and **Jan Compton**, Tennessee Dept. of Environment and Conservation

Community Solutions To Food Scraps Management
Athena Lee Bradley, Northeast Recycling Council

Food Waste Diversion — An Australian Perspective
Charles Ling, University of South Australia

Separating Apples from Oranges: Quantifying Avoidable and Unavoidable Food Waste
Tamara Shulman and **Avery Gottfried**, Tetra Tech Canada, Waste Management Practice

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11:00 AM - 12:15 PM

Public Private Partnerships (PPP)

Moderator: Nora Goldstein, BioCycle

Developing Regional Organics Recycling Facility Through PPP
Douglas Ross, Freestate Farms LLC

Leveraging Existing Municipal Assets — Opportunities And Pitfalls
Richard Cisterna, ROI

Components Of Successful Public-Private Codigestion Project
Rick Sapir, Hawkins Delafield & Wood LLP

Contaminant Management And Removal

Moderator: Caitlyn Foley, Team BioCycle

Code And Switch: Principles Of Mechanical Separation
Craig Coker, BioCycle

Contaminant Removal At NYC Composting Project
Brian Fleury, WeCare Organics/Staten Island Compost Facility

Improving MSW Compost Quality And Marketability
Daryl McCartney, EWMCE and University of Alberta

Buffet Lunch • Grand Ballroom • 12:15 PM - 1:45 PM

1:45 PM - 3:30 PM

Residential Organics Recycling

Moderator: Angel Arroyo-Rodriguez, Ohio EPA

Prevention Interventions To Reduce Wasted Food
Roni Neff, Johns Hopkins Center for a Livable Future

Intensive Residential Food Waste Collection
Massimo Centemero and **Michele Giavini**, Italian Compost and Biogas Association

Residential Organics Collection Outreach — Strategies That Work
Kaitlin Phelps, Action Research

Multifamily Food Scrap Recycling Analysis — West And East Coast Models
Matt de la Houssaye, Global Green
Giuliana Kunkel, The Tower Companies

Distributed Composting

Moderator: Linda Bilsens, Institute for Local Self-Reliance

Distributed Composting — Its Time Has Come
Brenda Platt, Institute for Local Self-Reliance

Healthy Soils For Resilient Communities
Sophia Hosain, Civic Works' Real Food Farm

Bikes, Bins And Justice In Brooklyn
Guy Schaffer, BK ROT

Refreshments • Grand Ballroom • 3:30 PM - 4:00 PM

4:00 PM - 5:30 PM

Closing Session: How Many Billions?

Moderator: Nora Goldstein, BioCycle

Sizing The Organics Recycling Industry: Roundtable Discussion

Frank Franciosi, US Composting Council
Patrick Serfass, American Biogas Council

Bob Yost, A1 Organics

Lauren Toretta, CH4 Biogas

Eric Walter, Black Bear Composting

TRACK 3
Waterford B

TRACK 4
Oakdale Room

8 : 3 0 A M - 1 0 : 1 5 A M

Nutrient Management

Moderator: Jean Bonhotal, Cornell Waste Management Institute

Opportunities In Urban Nutrient Recycling
Ron Alexander, R. Alexander Associates, Inc.

Phosphorus, Compost And Water Contamination Risks
Geoffrey Kuter, Agresource Inc.

Integrated Nutrient Recovery At Large-Scale Dairy
Jonathan Scarfpin, Trident Processes LLC

Nutrient Capture Through Composting And Bedding Reuse
Michael Bryan-Brown, Green Mountain Technologies

Research Advances And Insights

Moderator: Craig Coker, BioCycle

Food Safety E. Coli Compliance:
Manure Compost Vs. Poultry Litter Pellets
Patricia Millner, USDA Agricultural Research Services

Fate Of Antibiotic Resistant Bacteria
In Manure Handling Systems
Jason Oliver, Cornell University

Improving Soil Quality
With Subsoiling and Compost Amendment
Stu Schwartz, Center for Urban Environmental Research and Education, UMBC

Complementing AD With Microbial Electrolysis Cell
Amro Hassanein, University of Maryland

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Biosolids Recycling

Moderator: Sally Brown, University of Washington

Assessing Exceptional Quality Biosolids Products
For Urban Gardens
Gregory Evanylo, Virginia Tech

Sustaining A Land Application Program
During A Legal Challenge
Diane Jones, City of Los Angeles

Rolling Out A Biosolids Brand
Christopher Peot, DC Water

Small-Scale AD And Composting

Moderator: Brenda Platt, Institute for Local Self-Reliance

Smaller-Scale Anaerobic Digesters In The U.S. —
Opportunities And Challenges
Stephanie Lansing, University of Maryland

Hot Composting In Cold Climates
Linda Bilsens, Institute for Local Self-Reliance

Carbon Footprint Of University Composting Facility
Mary Schwarz, Cornell Waste Management Institute

Buffet Lunch • Grand Ballroom • 12:15 PM - 1:45 PM

1:45 PM - 3:30 PM

Codigestion At Water Resource Recovery
Facilities (WRRFs)

Moderator: Craig Coker, BioCycle

Advancing The Practice Of Codigestion:
Blending Science With Practice
Lauren Fillmore, Water Environment
& Reuse Foundation (WERF)

Codigestion Economic Analysis Tool
Steve Rock, U.S. EPA

Bulk Food Waste Market Assessment
Micah Blate, Hazen and Sawyer

Food Waste Codigestion Project at NYC WRRF
Qihua Cho Lu, New York City Dept. of Environmental Protection

Distributed Biogas

Moderator: Nora Goldstein, BioCycle

Best Practices For Distributed Power Generation
Christian Mueller, MTU Onsite Energy

Fuel Cell Integration At AD Operations
Michael Palmer, FuelCell Energy

Distributed Biogas To Pipeline Injection:
Danish Biogas Sector Insights
Claus Mortensen, Agro Business Park and The Danish Innovation
Network for Biomass

Refreshments • Grand Ballroom • 3:30 PM - 4:00 PM

4:00 PM - 5:30 PM

Thursday April 6, 2017