



Rockin' it since 1968.



WasteExpo 2018

Celebrating 50 years of delivering innovation, education and good vibes.

See Jim Fish, CEO
Waste Management,
in all-new Keynote!

Conference & Special Events: April 23-26, 2018
Exhibits: April 24-26, 2018
Las Vegas Convention Center,
Las Vegas, NV

wasteexpo.com



an event by
Waste360™

REGISTER BY MARCH 27, 2018 TO SAVE!



Conference & Special Events: April 23-26, 2018
Exhibits: April 24-26, 2018
Las Vegas Convention Center,
Las Vegas, NV
wasteexpo.com

WasteExpo 2018: Celebrating 50 years of delivering innovation, education and good vibes.

Join us in sunny Las Vegas this April to celebrate five decades of collaborating with you and your colleagues to deliver game changing opportunities at the waste & recycling industry's most successful event. And this year promises to be the best yet!

So, what can you expect?

- **600+ exhibitors** ready to help with your latest challenges
- **Innovation & technology** at the forefront in educational sessions
- **The popular (and FREE!) Spotlight Sessions** will be back, highlighting latest trends and must-know insights
- **Interactive outdoor demos** to give you that hands-on experience
- **The Food Recovery Forum is back**—dig deeper with us into this booming sector! *Sponsored by Republic Services*
- **12,000+ participants** (hopefully including YOU!)

The WasteExpo Conference Program, in partnership with the National Waste & Recycling Organization (NWRA) and Dr. Stu Buckner, will sharpen your skills and help you run your business or department smarter. You'll be able to implement your learning immediately!

We look forward to seeing you in Las Vegas—it's going to be a rockin' good time!

The WasteExpo Team

Market Leader Sponsors:



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CO-LOCATED CONFERENCES

Waste (360) Investor Summit

Monday April 23, 2018
Las Vegas Convention Center, Central Halls
7:30AM – 5:00PM

Sponsored by



WasteExpo and Stifel Financial Corp. are partners in presenting an investor conference giving you insight into the factors influencing behavior of the operating companies. Join executives and investors for a day of learning and analysis moderated by Michael E. Hoffman, Managing Director - Group Head, Diversified Industrials Research, Stifel. It's a dedicated gathering of corporate executives and institutional investors in the waste and recycling industry. You'll hear from leaders of some of the sector's most influential companies. Come hear the decision makers share what they see as the industry trends and their impact on capital spending and strategic moves in the marketplace. **Please note that additional registration is required for this conference. To register and see the full agenda visit WasteExpo.com**

Waste (360) Healthcare Waste Conference

Wednesday–Thursday April 25-26, 2018
Las Vegas Convention Center, Central Halls

Sponsored by



Join the healthcare waste industry's most powerful leaders to learn, network and do business at the Waste360 Healthcare Waste Conference! The conference focuses on the regulatory, legislative and technical issues that affect the healthcare waste industry. You'll walk away with the ideas and solutions that you'll need to do your job better and safer in 2018. **Please note that additional registration is required for this conference. To register and see the full agenda visit healthcarewasteconf.com.**

SPECIAL EVENTS

WasteExpo's 50th Anniversary Special Events are unique and worthy of our BIG 5-0. Enjoy this chance to network and celebrate how far this amazing industry has come!

Monday, April 23, 2018



Keep WasteExpo Rockin' This Year

Take Part in NWRA Women's Council's Carts on Display

The NWRA Women's Council is pleased to present Carts on Display, a sponsored art competition that will take place at the WasteExpo 2018 in Las Vegas from April 23 – 26, 2018. Entrants in the competition may supply their own 32/35 gallon or 64/ 65 gallon or a 35 gallon cart will be provided to them by SSI Schaefer Systems.



Entrant must decorate with artwork that promotes environmentalism and/or represents the 50 year Anniversary of WasteExpo theme "Rockin it Since 1968." **Entry Form and payment – due March 15, 2018. Entry information can be found at Wasterecycling.org**



50th Anniversary Welcome Reception

6:30PM – 9:00PM

Celebrate how far the industry has come over the last five decades. We're pulling out all the stops for our 50th anniversary Party at Marquee Las Vegas in the Cosmopolitan Hotel. Marquee Nightclub & Dayclub is Las Vegas' most sought after nightlife and day party destination.

Tuesday, April 24, 2018



National Waste & Recycling Association's Awards Breakfast

7:30AM – 9:30AM

See the industry's brightest stars honored at the National Waste & Recycling Association's Awards Breakfast.



CEO Spotlight with Jim Fish

10:15AM - 11:00AM

Mack Trucks' Ride & Drive

10:30AM – 3:00PM

Location: Silver Lots 1A/1B outside across from the Central Hall of the convention center.



Test drive one of our refuse trucks and see how its design was inspired by our customer's desire for the best truck for their operations, with superior maneuverability, visibility and ergonomics. A current CDL is required to drive the vehicle. Stop by to register and take a test drive!



Environmental Research & Education Foundation's (EREF) Annual Charitable Auction



EREF Silent Auction: Tuesday, April 24, 10:00AM until Wednesday, April 25, 3:30PM

Wednesday, April 25, 2018

Mack Trucks' Ride & Drive

10:30AM – 3:00PM

Location: Silver Lots 1A/1B outside across from the Central Hall



EREF Silent Auction: Tuesday, April 24, 10:00AM until Wednesday, April 25, 3:30PM

EREF Reception: 3:00PM

EREF Live Auction: 3:30PM

MEET OUR EXHIBITORS AND FIND THE SOLUTIONS YOU NEED

The WasteExpo Exhibit Hall gives you the opportunity to interact with over 600 exhibitors showcasing the latest equipment and technology the industry has to offer. This is your once-a-year chance to get hands-on experience and personal consultations with the best in the business.

All companies in bold are members of the National Waste & Recycling Association. Companies in blue are Market Leaders.

2018 Exhibitor List (as of January 12, 2018)

3rd Eye Mobile Vision
 4 State Trucks, Inc.
A.R.M. Solutions
AaquaTools, Inc.
Accent Wire - Tie
 Action Equipment Co. Inc.
 Advance Tire Inc.
Advanced Disposal
 Advantage Funding
AEI
 Aero Industries
 Air and Water Systems
 Air Filter Blaster
AIR-WEIGH
 Alkon Corporation
Alliance Tire Group
AMCS Group
 Amerex Corporation
American Baler Company
Ampliroll Hooklifts - Marrel Corp.
 Amrep, Inc.
 Anaergia
 APPLEWOOD CONTROLS
Applied Industrial Technologies
 APSCO
 AQUA BLAST CORP
ARE Industries
 ARI-HETRA
AT&T Inc
 ATR Transmission Remanufacturing, Inc.
 Automann USA
BACE (Baler and Compaction Equipment)
Bakers Waste Equipment (BWE)
 Baldwin Filters
 Balemaster
BENLEE - Premier Truck Sales & Rentals, Inc.
 BeNomad
 Benzaco Scientific, Inc.
Big Truck Rental
 Binder + Co AG
 BioCycle/US Composting Council
BIOFerm Energy Systems
 BioMRF Technologies, Inc.
 BJI LLC/LOK-A-BIN
 Blackhawk Technology Company
BMO Transportation Finance
BOMAG
Bondtech Corporation
 BOTTARO - Baling Wire
Bramidan Balers US, Inc.
Bridgeport Manufacturing, Inc.
 Bridgestone
Brigade Electronics Inc
 BriteSpan Building Systems Inc.
 B-TEK Scales
 Bucks Containers
 Buffalo Turbine
 Builtrite Manufacturing, Inc.
Bulk Handling Systems (BHS)
 Busch Systems Intl. Inc.
 C&C Manufacturing LLC
 C2Logix, Inc.
 Capital Industries, Inc.
 Cardinal Scale
 Carlisle Brake & Friction
Cascade Cart Solutions
Cascadia Consulting Group
CASE Construction
Castrol
Caterpillar Inc.
 CBI-A Terex Brand
 CDRA/C&D World
 Chevron Lubricants
 Chicago Pneumatic
 CITIBIN
 Civil & Environmental Consultants, Inc.
 Clean Energy
 Cleanfix North America Ltd.
Cleaning Systems, Inc.
CleanWay Environmental Partners, Inc.
 ClearSpan Fabric Structures
 Columbia Industrial Products, Inc.
 Columbus McKinnon Corp
Commercial Credit Group Inc.
 Commercial Vehicle Group
Consolidated Fabricators
 Constructors Bonding, Inc.
Container Components
 Continental Tire
Core Computing Solutions, Inc.
 Coretex
CP Group
 CPM Di Piu Systems
Cram-A-Lot/JV Manufacturing
Crane Carrier Company
 Creative Information Systems
 CRO Software Solutions
 Cross Wrap Ltd.
 CTP Solutions
Cummins Inc.
Cummins Westport, Inc.
Curbtender, Inc.
 Current Components, Inc.
 Custom Hoists, Inc.
DaDee Manufacturing
 DATAMATX
DataProse Billing Solutions
 Defeo Manufacturing
 DEL Hydraulics
DENNIS EAGLE
DesertMicro
 Diamond Z / Rule Steel
Diamondback Products, Inc.
 DiMYOOR
Dings Co. Magnetic Group
Discourt Waste, Inc.
 D-Lux Screen Printing powering WasteStick-ers.com
DOOSAN Equipment
Dossier Systems
 Douglas Manufacturing Inc
 DroneView Technologies
 DRYCAKE
 DuBois Chemicals
 DUMPSTER GUARD, THE
 Dur-a-Guard
 Eagle Eye Waste Graphics
East Manufacturing Corp.
 Eastern Pneumatics & Hydraulics, Inc.
 EasyRoute
 Eco Wash Industries
 ECODAS
Ecolo Odor Control Technologies
 Economic Development Partnership of North Carolina
 Ecotec Terex
 ECOTEC
ECOVERSE
 EISENMANN Corporation
 Elektrim Motors
 Emery Winslow Scale Company
EMP
 Endura Paint
 Enerkem Inc.
 Enterprise Baler CO
Environmental Solutions Group-Heil Environmental
 Environmental Specialties Int., Inc.
 Eppco Enterprises, Inc
 Equipco Manufacturing, Inc.
Eriez Magnetics
ET Environmental Corporation
Euclid Chemical Company
 Evergreen National Indemnity Co.
Ex-Cell Kaiser LLC
 Expello Air Products
EZ Pack Manufacturing
 Fairbanks Scales
Fire Rover
Flaming River Industries, Inc.
FleetGuard
FleetMind Solutions, Inc.
 Fogco
Ford Commercial Vehicles
Freightliner Trucks
 Fuelmaster/Syn-Tech Systems, Inc
 Fujimi Luxury Massage Chairs
 G&H Manufacturing
 Galfab
 General Kinematics Corporation
 General Truck Parts
 Genesis Attachments
 GeoShack
 Geotab
Gient Heating Industry Co., Ltd.
Global Sensor Systems Inc.
Golder Associates
Goodyear
Green Machine
 GreenQ LTD
 Grinder Wear Parts (formerly The Trading Company) & Apollo Equipment
 GrinderCrusherScreen.com
Groeneveld Lubrication Solutions
GSP Marketing
 Haldex
Hallico Industries Inc.
 Hambicki Trucks & Container Sales Inc.
HAMMEL
Harris
 Hauler Magazine, The
 Havis, Inc.
HAWE Hydraulic
Heavy Motions Inc.
Hedstrom Environmental
 Hein, Lehmann US, LLC
Hendrickson
Himes Service Company
Hino Trucks
 Hitachi Zosen Inova USA LLC
 Hose Company, The
Housby
HSM of America
HUB Industrial Supply
 Hustler Conveyor Co./American Pulverizer
 Hydro Leduc NA Inc.
 Hydro-Chem Systems
 Hydro-Chem Systems
Hydrolec Inc.
 IFE Aufbereitungstechnik GmbH
 IMABE IBERICA
 IMI Norgren
Impact Plastics Corporation
 INDUSTRIAL MAGNETICS, INC.
 Infinity Massage Chairs
 InSight Mobile Data
Insurance Office of America
Intec Video Systems, Inc.
 InterClean Equipment, Inc.
 International Baler Corporation
 International Truck
 InTouch
 INVEST (NI) NORTHERN IRELAND
IPL Products Ltd.
ITA Dynamics
 J & J Truck Bodies & Trailers
 J&R Business Enterprises Inc.
Jordan Reduction Solutions
Kadant PAAL
Kann Manufacturing Corporation
 Karl W. Schmidt Manufacturing, Inc.
 KEITH Manufacturing
 Ken's Truck Repair, Inc.
 Kewanna Screen Printing, Inc.
Kimmel & Associates
 King Kong Tools LLC
 KNL Holdings, LLC/Peerless Trailers

Interested in Exhibiting? Call Catherine Campfield at 203-358-4128.

WasteExpo Exhibit Hall Hours:**Tuesday April 24 10:00AM – 5:00PM****Wednesday April 25 10:00AM – 5:00PM****Thursday April 26 10:00AM – 1:00PM**

Komatsu America Corp
Komptech Americas
 Labor Finders
Labrie Enviroquip Group
Leadpoint Business Services
Liebherr Construction Equipment Co.
 Lindner Recyclingtech America LLC
 Link Manufacturing, Ltd.
 Liquitube Tire Sealant
 LoadMan On-Board Scales & Software
Loadmaster
 LSC Environmental Products, LLC
Lytix
 M.S. Foster & Associates, Inc.
MAC Trailer Mfg., Inc.
Machinex Technologies, Inc.
Mack Trucks
 Magellan
 Magna Tyres Group
 Mailhot Industries
Majestic Glove
Mansfield Energy
 Maren Balers and Shredders
 Mark-Costello Co., The
Martens Johnson Insurance Agency Inc.
 Maxam Tire North America Inc.
Mayfran International
 McEntee Media Corporation
 McLanahan Corporation
McNeilus Truck & Manufacturing
 Metalcrete Industries
 Metso Minerals Industries, Inc
 Mettler-Toledo, Inc.
 Michelin North America, Inc.
Micromatic / Rotac
 Midwest Elastomers, Inc
 Millner-Haufen Tool Company
Moba Corporation
Moby Dick Wheelwashing Systems
 MoistTech Corp.
Molok North America
 MSW Management Magazine
 Multi-Seal Corporation
Muncie Power Products
 National Garbage Man Day
National Interstate Insurance Company
 National Joint Powers Alliance
 National Recovery Technologies (NRT)
National Waste & Recycling Association
Navusoft, LLC
NCM Odor Control
Neptune Automated Wheel Wash Systems
 Neustarr Equipment
New Way
 Nihot
 Norbar Torque Tools
 Nord-Lock Group
Nordsense
 NS Corporation
 Oakmont Capital Services
O'Brian Tarping Systems
 OEM Controls, Inc.
 OMI Industries
OnePlus Systems
Optima Scale Manufacturing
 ORBIS Corporation (formerly Norseman
 Environmental)
 Orbit Metal
 Organic Resources Company
Organix Solutions
 Orwak North America
Otto Environmental Systems
North America, Inc.
 OWS
PAK-MOR Ltd.
Palfinger North America
Paradigm Software LLC
Par-Kan Company
Parker Hannifin Corporation
 Paxxo, Inc
 PEAK Commercial Industries
Pellenc ST
Pemberton, Inc.

Peninsula Plastics Ltd
PeopleReady
People's United Equipment Finance Corp.
Perkins Manufacturing Co.
Perma-Coat
Permco, Inc.
Peterbilt Motors Company
Petersen Industries, Inc.
 Peterson Manufacturing
 Petro-Canada Lubricants, Inc
 Pinnacle Engineering Inc
Pitbull Trailers
Plexus Recycling Technologies
 Plymouth Industries
 Power Knot LLC
 Power Pusher, A Division of Nu-Star Inc.
PRECO Electronics, Inc.
 PROMECO SpA
 ProTerra Recycling Systems
 Pulltarps
 Qualiplast
 Qwik-Tip Inc.
 Rapid Recovery
RDK Assets, LLC
 Redwave Solutions US
Rehrig Pacific Company
Reliable Transmission Service
 Renewable Organics Management
Republic Services
 Resource Recycling Magazine
 Resource West, Inc,
 Revolution Systems
Rice Lake Weighing Systems
Ritz Safety
 ROI
Roll Rite LLC
 RolliSkate
ROLLOFFS, USA Inc.
 Rotational Molding Inc.
 Rotobec
Rotochopper
 Roto-Mix
RouteOptix, Inc.
 RouteSmart Technologies, Inc.
Routeware, Inc.
 RouteWarrior
 Royal Coatings Inc
RRL Insurance Agency
 Ruble Truck Sales
 RuggON Corporation
 RUNI Recycling Machinery
Rush Refuse Systems
 Safety Management Systems Inc.
 Safety Vision, LLC
 Samsara
Samuel Strapping Systems
 SC Johnson
 SCARAB
Schaefer Systems International, Inc
Schroeder Industries LLC
 SCI Distribution
 SciCorp International
 Scott Equipment Company
 Screentech Imaging
SCS Engineers/Field Services
 Sears Seating
 Sensa Networks
SETCO Solid Tire & Rim
 SGM Magnetics Corp.
 Sharpology
Sheboygan Paint Company
 Sherbrooke OEM LTD
Shred-Tech
Shur-Co, LLC
 Sierra Energy
Sierra International Machinery
Slimline Manufacturing
 Smith Manus
Snyder Industries, Inc
 Soft-Pak
Solmax International Inc.
Solutions Now
Solutions, Inc.

Sonozaire
Sotec USA
Southwestern Equipment Company
 Spaleck USA LLC
 Sparta Manufacturing
 SPRAYSTREAM
SSI Shredding Systems, Inc.
STADLER America, LLC
 Stanley/LaBounty
Starlight
Steinert US
Stellar Industries, Inc.
Sustainable Generation
 SWANA - Solid Waste Association
SwapLoader U.S.A., Ltd
 Switch-N-Go
 TA Equipment Finance, Inc
TANA-North America
 Tarpomatic, Inc.
TCF Equipment Finance
 Terra Compactor Wheel
 The Trailer Company, Inc
Thunder Creek
Tiger Payment Solutions
 Titus MRF Services
 TOMRA Sorting Inc
TORXX Kinetic Pulverizer Ltd.
 TransAxle
 Transportation Insurance Services, LLC
 TrashTrucksOnline
 Trelleborg Wheel Systems Americas, Inc.
Trillium CNG
 Triple Crown Products, Inc.
 TruckPro, Inc
Trucks & Parts of Tampa, Inc.
Trux Route Management Systems
 Tufner Weighing Systems
Ty Cushion Tire
 U.S. Jaclean
 Underground Refuse Systems
 Unlimited Recycling Resources, LLC
UNTHA shredding technology inc.
 US Composting Council
VAN DYK Recycling Solutions
Vecoplan, LLC
Vermeer Corporation
 VFG Leasing and Finance
 Vincent Corporation
 Vipal Rubber Corp
 Vogelsang Fastener Solutions
 Vogelsang USA
Volvo Construction Equipment
Vulcan On-Board Scales
 Walvoil Fluid Power
WAM Software, Inc.
 Wangen America Inc.
 Warren & Baerg Manufacturing
Waste Advantage Magazine
Waste Applications, Inc.
Waste Connections, Inc.
 Waste Funding
Waste Harmonics
Waste Industries
Waste Management, Inc.
 Wastebits.com
 Wastebuilt
 WasteMag Magazine
Wastequip
 WasteWORKS/Carolina Software
Webb Severe Duty
WEIMA America, Inc.
Wells Fargo Equipment Finance
 West Craft Manufacturing
 West Salem Machinery Company
 Western Baler & Conveyor Inc.
 Western Equipment Finance, Inc.
Wheeler Bros.
Whelen Engineering Co.
 Wireless Links Inc.
Worthington Industries
 Zero Waste Energy (ZWE)
 Zimmer America Recycling Solutions
 Zone Defense

WASTE EXPO SPOTLIGHT SESSIONS ARE BACK!

Whether you're planning on purchasing the Premium Package (WasteExpo's best value) or you only have time to check out the latest products and services in the exhibit hall, you don't want to miss out on these FREE Spotlight sessions.

Trending Now

Flexible packaging, federal regulations, driverless vehicles, smart waste, commodity pricing...it's a lot to keep up with! What trends deserve your attention? Find out what key topics, challenges, and opportunities will potentially impact your business in 2018 and beyond.



Move from Data Collection to Real-Time Success

Technology is more and more prevalent in the waste and recycling industry. Software, hardware, smart sensors and various devices - all collecting and generating data. Growing volumes of data. You may realize the potential significance of this data, but what does it really mean to your business? How do you move from data collection to actions based on data? Are you able to leverage all of it to get the right information to make real-time decisions to improve the efficiency of your operation?

It's a Family Affair

Celebrating the 50th anniversary of WasteExpo, this session brings together different generations of family-owned waste companies to delve into the unique experience of transitioning a business from one generation to the next. Find out what challenges and opportunities are bound to arise, what steps to take for familial succession planning, and how family-owned businesses are adapting to the evolving waste industry.

Reducing Food Waste and Increasing Organics Diversion and Recovery in Municipal & State Programs

Moderator: Darby Hoover, Natural Resources Defense Council (NRDC)

Speakers:

- Don't Waste Food SC: A Collaborative Campaign of Stakeholders to Reduce Food Waste. Richard Chelsey, SC Department of Health and Engineering, SC and Anna DeLage, South Carolina Department of Commerce, SC
- Food Waste & Organics Recycling in NYC: Programs and Strategies for Building the Nation's Largest Organics Collection Program. Kamil Krawczyk, Senior Manager of Field Operations. Department of Sanitation. NY
- Organics Diversion in Hennepin County. Ben Knudson. Recycling Specialist, Hennepin County Environment and Energy Department. MN
- Mandatory Food Composting in San Francisco. Alex Dmitriew, Commercial Zero Waste Coordinator. San Francisco Department of the Environment. CA

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SC Johnson, Public Sector Host

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HackTrashNYC
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Pollution Equipment News
Recycling Product News
Resource Recycling
SWANA
The Hauler
Trash Trucks Online
US Composting Council
Waste Advantage

REGISTRATION IS EASY!

Visit WasteExpo.com to register today!

Register **by March 27, 2018** to save.

The Premium Package is your best value and includes:

- **1 ticket** to the WasteExpo Welcome Reception
- **3 days** of the Food Recovery Forum
- **3 days** of the WasteExpo Exhibit Hall
- **3 days** of WasteExpo Conference Sessions
- **2 days** of the Waste360 Healthcare Waste Tabletop Exhibits
- **Unlimited access** to Waste360 University for WasteExpo 2018 conference sessions

Exhibit Hall Only Option:

Don't have enough time to attend the conference sessions, but want to check out the innovative equipment, and services that the solid waste, recycling and organics industry has to offer?

- **3 days** of the WasteExpo Exhibit Hall
- **2 days** of the Waste360 Healthcare Waste Tabletop Exhibits

Save BIG by registering for the Premium Package or the Exhibit Hall Only Option by March 27, 2018!

Note: Further discounts are available to members of the NWRA, SWANA and APWA. Additional registration is required for NWRA's Awards Breakfast, the Waste360 Investor Summit, and the Waste360 Healthcare Waste Conference.

TRAVEL INFORMATION

Secure discounts by booking your Las Vegas hotel stay with onPeak, WasteExpo's **ONLY** official hotel provider. Just visit the Venue & Hotel page on WasteExpo.com to make your reservation. **Deadline is April 4, 2018.**

For more information contact the WasteExpo Housing Desk at 1-800-727-2467 or 312-527-7300, or by email at wasteexpo@onpeak.com



WASTE EXPO 2018 AT-A-GLANCE

By partnering with the National Waste & Recycling Association (NWRA) and Dr. Stu Buckner, WasteExpo is able to deliver a conference program that is more interactive and essential than ever before — providing you with everything you need to do your job smarter, safer and more efficiently! (As of 1/10/18 – Session topics, speakers & moderators are subject to change.)

In collaboration with:



		Innovation & Advancement	Application & Implementation	Rules, Regs & Policies	Business Acumen & Insights
Monday, April 23	Waste360 Investor Summit 7:30AM – 5:00PM				
	9:00-10:15AM	Rise of the Robots: The Role of Artificial Intelligence in the Waste Industry	Fire Safety: The Threat is Real	Reducing Waste: An Outside Perspective on Sustainability	Attract, Mentor, Retain: Managing your Workforce to Increase your Bottom Line
	10:30-11:45AM	Keep it Simple: Breaking Down Data	Best Practices for City Collection	The Ins and Outs of Franchising	Using Data to Fuel Change
	10:30AM -12:00PM				
	11:45AM-12:15PM	Lunch Break			
	12:15-1:30PM	Super Storms, Natural Disasters, and Catastrophic Occurrences: Navigating Cleanup and Recovery		China's Import Regulations - Where Do We Stand?	
	1:00-2:45PM				
	1:45-3:00PM	Drones: Not Just For Entertainment	Shop Talk: Fleet Maintenance	Problem Child: Sharps, Batteries, Styrofoam and More	40 Under 40: Bold Insights from Rising Stars
	3:00-4:30PM				
	3:15-4:30PM	Forget the Future – What About the Truck of Today?	Operations Technology: Hauler Roundtable	Managing Costs by Managing Leachate	Garbage Is Local: Changing Habits through Education
4:45-6:00PM					
		Innovation & Advancement	Application & Implementation	Rules, Regs & Policies	Business Acumen & Insights
Tuesday, April 24	9:00-10:15AM				
	10:15-11:00AM	KEYNOTE INTERVIEW: Sitting Down with Jim Fish			
	10:30-12:00PM				
	11:10AM -12:20PM	SPOTLIGHT SESSION: Industry Trends: What Should You Be Watching?			
	12:30-1:45PM	Cha Cha Cha Changes - The Evolving Ton Over the Next 10 Years	Fueling the Industry: A Case for CNG	Boosting Your Safety Program	Communicating in a Crisis
	1:15 - 2:45PM	SPOTLIGHT SESSION: Reducing Food Waste and Increasing Organics Diversion and Recovery in Municipal & State Programs			
	2:00-3:15PM				
	2:00- 3:15PM	A Case Study for Curbside Plastic Film Recycling in the U.S.	Safety Technology: A Hauler Roundtable	California Dreamin' or A Nightmare?	Economics of MRFs
	3:00 - 4:30PM				
	3:00 - 5:00PM				
3:30-4:45PM	SPOTLIGHT SESSION: Move from Data Collection to Real-Time Success (AMCS Group)				
4:45 - 6:00PM					
		Innovation & Advancement	Application & Implementation	Rules, Regs & Policies	Business Acumen & Insights
Wednesday, April 25	9:00-10:15AM	SPOTLIGHT SESSION: A Family Affair: Transitioning to the Next Generation			
	10:30-11:45AM	Route Optimization Savings	Commodity Predictions: What's Headed Our Way?	Dotting Your I's - How to Ensure You're Not Breaking Any Labor Laws	Workplace Violence & Threats
	10:30AM -12:00PM				
	11:45AM-12:15PM	Lunch Break			
	12:15-1:30PM	IoT & Smart Cities: The Future Is Now	Maintenance Technology: A Hauler Roundtable	Special Waste: What Should We Know?	One Size Does NOT Fit All: Finding the Most Efficient Recycling Program For You
	1:00-2:30PM				
	1:45-3:00PM	Workforce Recruitment: Insights from HR Experts	A Case Study for Waste Conversion	OSHA Under Trump	What Do You Need to Know About Contract Negotiation?
	2:45-3:45PM				
	3:15-4:45PM	Workshop (Worker Recruitment)			
	4:15-5:45PM				

Thursday, April 26

9:00 – 11:00AM



Food Recovery Forum – Workshop on Food Recovery Program Development

Food Waste Diversion & Recovery Workshop • How to Start a Food Waste Diversion Program: for Industrial, Commercial & Institutional generators, Organics Haulers, Composters, Anaerobic Digestion Operators, Municipalities, and Regulators. Gary Bilbro, EcoSafe® Zero Waste




Co-located Conferences:




Waste360 Investor Summit	April 23 7:30AM – 5:00PM
Waste360 Healthcare	April 25 8:00AM – 6:00PM
Waste Conference	April 26 8:00AM – 3:30PM



Check out WasteExpo's Special Events at WasteExpo.com

WasteExpo Exhibit Hall Hours:

Tuesday	April 24	10:00AM – 5:00PM
Wednesday	April 25	10:00AM – 5:00PM
Thursday	April 26	10:00AM – 1:00PM

 Waste 101	 Anaerobic Digestion, Composting, Organics Diversion & Recovery	 Food Recovery Forum Sponsored by 
9:00 – 10:00 AM DOT Compliance 101	Keynote Session: Solutions to Food Loss, Waste, and Recovery;	Organics Diversion Legislation and Infrastructure Development
A Healthy Focus on Human Capital		
	Composting Infrastructure Development, Process Management, Keys to Profitability	Advances in Wasted Food Policy, Practices, and Management, Highlighting What Cities and States can do Differently When it Comes to Wasted Food
	Anaerobic Digestion, Mechanical Biological Treatment & Recycling Technologies for Processing MSW and Producing High Quality Compost and Renewable Energy	Panel Discussion - From Insight to Action: How Food Businesses are Taking the lead to reduce waste from supplier to consumer
1:45 – 3 PM Feeling Taxed? Insight & Best Practices in the Latest Tax Policies 1:45PM – 3:15 PM Advocacy Academy	Anaerobic Digestion and Composting: Factors Affecting Facility Design, Strategies for Technology Selection, New Stimulants for Financial Success	Federal Policy Panel: Reducing Food Waste and Food Loss in the U.S.
	Organics Collection Strategies and Rate Structures, Reducing Contamination, Facility Designs that Increase Diversion	'Save The Food' Campaign: Results and Examples of a Partnership between the NRDC and the Ad Council's Public Service Campaign to Reduce Wasted Food

 Going Global: International Insights	 Odor Management, Organics Diversion and Infrastructure Development, Collection and Processing Food Waste & Organics, Anaerobic Digestion – Opportunities and Issues	 Food Recovery Forum Sponsored by Republic Services
	Managing Odors and VOC's at Organics Recovery Facilities	Youth Engagement in Food Recovery for a More Sustainable Food System: Strategies and Opportunities
	Organics Legislation, Building Food Waste & Organics Infrastructure, Achieving Diversion Goals	Using Data and Technology to Drive Food Waste Reduction
12:30PM – 1:15PM Starting From Scratch: A Zero Waste Case Study	Business Models for Organics Recovery Facilities, Anaerobic Digestion: New Financial Drivers, Improving Process Management	SPOTLIGHT SESSION: Reducing Food Waste and Increasing Organics Diversion and Recovery in Municipal, County, & State Programs
Oh Canada! Insights from Across the Border	Collection Methods and Processing Systems for Food Waste and Other Organics	
		Food Rescue and Recovery: An Analysis of Problems and Solutions, Successful Strategies, Model Programs, and BMP's to Reduce Food Waste
	So, You Want to Build an Anaerobic Digester? What You Need to Know, Q & A Discussion	

	 Waste Conversion Technologies, FOG, Organics Diversion, Compost Quality & Usage	 Food Recovery Forum Sponsored by Republic Services
	Fats, Oils, and Grease (FOG): Processing Options, Products and Revenue Streams	Panel Discussion on Compostable and Recyclable Packaging
	Innovative Waste Conversion Technologies for Processing Bio-Waste and Creating Renewable Fuels and Energy	Expanding Collection of Food Scraps and Compostable Packaging
	An Integrated Collaborative Approach to Organics Diversion, Equipment for Improving Compost Quality, Tools for Driving Product Use	Lessons from the EU, New Zealand and Australia: Food Waste Recovery, Key Success Factors in Food Waste Management, & Transitioning Food Waste to a Circular Economy
	Equipment Solutions that Address Contaminant Issues, Removal Requirements for Compost and AD Processing, and Odor Control	Small Scale & Scalable Food Waste Recycling Technologies for Food Waste Generators

Movie – Presentation of 'Wasted! The Story of Food Waste'

8:30AM – 12:30PM



Track 2: Zero Waste Certified Training Course [Registration fee \$125]

Introduction to Zero Waste Certified Training. Instructor: Ruth Abbe, President, Zero Waste USA

WASTE EXPO CONFERENCE PROGRAM

Technology and innovation will be front-and-center in this year's conference program. And with the return of the FREE Spotlight Sessions on the industry's hottest topics, you'll find the conference program to be more interactive and innovative than ever before. Thanks to the NWRA and Dr. Stu Buckner for putting together this essential program.

Monday, April 23, 2018



Innovation & Advancement

9:00AM – 10:15AM

Rise of the Robots: The Role of Artificial Intelligence in the Waste Industry

Artificial intelligence (AI) and robotics are emerging trends that have the potential to transform the operations and profitability of the waste and recycling industries. Join experts in artificial intelligence to discover how robotics are addressing industry challenges such as the volatility of staffing sorting lines, raising revenue through higher material purities, and increasing throughput while lowering operating expenses, making recycling more effective and accessible.

Speakers: Rich Reardon, BHS; Matanya Horowitz, AMP Robotics; Nathanael Lortie, Eagle Vizion

10:30AM – 11:45AM

Keep it Simple: Breaking Down Data Collection

Big data, small data, standardized data. Everyone is talking about data, but how can it actually be applied to help make an impact on waste operations? What role does small data play in decision-making, and how is it combined to form big data? What would be the financial impact on the industry if data collection was standardized? Learn about the integral role data plays on operations through real-life examples of successful data collection and implementation.

Speakers: Jason Gates, Compology; Emily Coven, The Recyclist; AJ Novak, OnePlus Systems

12:15PM – 1:30PM

Super Storms, Natural Disasters, and Catastrophic Occurrences: Navigating Cleanup and Recovery

Fires, tornadoes, hurricanes, – it seems that the number of disasters that occur each year increase. And our industry is at the ready. What is needed in an emergency operation plan to ensure the safety and wellbeing of employees along with the ability to continue to operate? How has industry directed and assisted with the cleanup and movement of the debris? This panel will share the lessons learned in coping with these emergencies.

Sponsored by the NWRA Women's Council

1:45PM – 3:00PM

Drones: Not Just For Entertainment

Over the past few years, drones have been finding their place in the waste industry. As this technology develops, so do the opportunities to utilize it. This session will take a look at the different spaces that drones are being utilized, and how they may become game-changers for some of waste's biggest challenges.

3:15PM – 4:30PM

Forget the Future – What About the Truck of Today?

Driverless vehicles may still be a few years away, but what new innovations are we seeing today on refuse vehicles? How are fleets changing to adapt to increasing demand for things like separated organics

collection, smart waste technologies, and lower environmental impacts? Hear from experts on how trucks are quickly adapting to the demands of today.

Speakers: Ian Wright, Wrightspeed; Bryan Dodds, McNeilus; Don Diego Padilla, FleetMind



Application & Implementation

9:00AM – 10:15AM

Fire Safety: The Threat Is Real

In the waste industry, there continues to be an ever-present risk of fire – both at the facility and in the trucks themselves. There are many necessary steps to take to mitigate the potential outbreak of a fire, including public education, proactively implementing suppression tactics, and incorporating new technologies.

Speakers: Ryan Fogelman, FireRover; Brent Shows, Advanced Disposal; Michael Timpane, RRS

10:30AM – 11:45AM

Best Practices for City Collection

Haulers have lots of daily challenges. How to safely and efficiently collect recyclables, organics and trash – anywhere – is a big one. This session will focus on the unique challenges haulers face in urban and congested areas when making collections. Best management practices for late hour and early morning collections will be discussed. Insights will also be provided and shared by industry and city professionals about all that is going on to save lives, reduce accidents and distractions as our industry collects materials daily with heavy equipment in congested areas with lots of other trucks, vehicles, pedestrians and bicyclists.

12:15PM – 1:30PM

Super Storms, Natural Disasters, and Catastrophic Occurrences: Navigating Cleanup and Recovery

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Sponsored by the NWRA Women's Council

1:45PM – 3:00PM

Shop Talk: Fleet Maintenance

When it comes to fleet maintenance, preventative care is the best way to be sure minor problems don't become major ones. This session will review best practices in fleet maintenance to ensure you get the most out of your equipment. Hear from experts on things like diesel particulate filters (DPFs), cooling solutions and Automatic Tire Inflation Systems (ATIs).

Speakers: Steve Robinson, Tire Inflation Systems; Peter Tuckerman, Diesel Emission Services; Mark Pusateri, Horton

3:15PM – 4:30PM

Operations Technology: A Hauler Roundtable

Join this session for a discussion between haulers that will provide real-world insight into the latest advances in operations technology in the industry today. Hear these experts discuss things like: GIS; the value of RFID outside of municipal requirements; prioritizing multiple cell devices on the truck; scales; which technologies might impact the industry in the next few years, and so much more.

Speakers: Matt Frank, Advanced Disposal; Chuck Palmer, Waste Connections; Jason Leck, George Leck & Sons; Harland Chadbourne, WastePro



Rules, Regs, and Policies

9:00AM – 10:15AM

Reducing Waste:

An Outside Perspective on Sustainability

Hear perspectives from outside of the industry about waste reduction & sustainability goals - what drives them, how they'll be achieved, and what challenges they need to overcome - and find out how the industry can help turn these goals into a reality.

Speakers: Judy Ward, WaWa; Rebecca Richert, SUPERVALU

10:30AM – 11:45AM

The Ins and Outs of Franchising

Franchising might seem like a good idea - but for whom? Government officials might view it as a way of reducing truck traffic. What about the business owners that no longer have the autonomy to select their service providers? Or the hauler that loses out because they don't win a contract? Franchising creates winners and losers. Hear about the advantages and disadvantages of franchising from both public and private perspectives.

Speaker: Michelle Leonard, SCS Engineers

12:15PM – 1:30PM

China's Import Regulations - Where Do We Stand?

When China announced the ban of certain recyclables from importation, it threw a giant curve ball at the rest of the world. Suddenly alternative options are needed - and fast. What is the fall-out from this decision? Is it short-term? Or do we need to find a permanent alternative to managing these materials.

Speaker: Susan Robinson, Waste Management

1:45PM – 3:00PM

Problem Child: Sharps, Batteries, Styrofoam and More

There's always something in the bin that's a challenge - maybe because it's a contaminant, maybe because it can be dangerous, maybe just because it's a nuisance. Learn about some of the items that give recycling facilities headaches. What's the cure to make managing these items a breeze?

Speakers: Carl Smith, Call2Recycle; Bill Keegan, DemCon

3:15PM – 4:30PM

Managing Costs by Managing Leachate

Whether leachate is being treated onsite or at the publicly-owned treatment works (POTW), leachate management is a very significant cost for most engineered landfills. Tighter future limits and treatment of emerging contaminants such as per- and poly-fluorinated compounds (PFAS) can further increase costs. These treatment costs continue long after the closure period, and represent a significant

liability to the landfill. This session will help you understand on-site treatment or pre-treatment considerations including technology selection, leachate quality/quantity, changes as the waste ages, and potential impacts of future discharge limits or contaminants of emerging concern.

Speaker: Alistair MacDonald, Golder Associates; Ryan Schipper, Golder Associates; Moderator: Steve Menoff, Civil & Environmental Consultants



Business Acumen & Insights

9:00AM – 10:15AM

Attract, Mentor, Retain: Managing your Workforce to Increase your Bottom Line

With a worker shortage facing the waste industry, it's critical now more than ever that we not only engage, but also develop the right talent. In addition to the challenge of engaging the upcoming millennial workforce, keeping loyal, dedicated employees has a huge effect on a company's bottom line, which is why developing talent mobility and business leadership is a must. In this session, learn concrete solutions and proven tools used to integrate millennials into your workforce, as well how to successfully develop and manage in-house talent, for a positive ROI.

Speakers: Valetta Wright, WCA; Kristen Fitzmorris, Hidden Brook; Charlie Kimmel, Kimmel & Associates

10:30AM – 11:45AM

Using Data to Fuel Change

Hear from The Recycling Partnership on their optimization work (i.e., increase participation and/or decrease contamination) in the cities of Atlanta, Chicago and Denver. This session will address the importance of pre- and post-capture rate studies and how data generated from those studies was used to craft education/communication efforts (e.g., electronic and print communication/education, contamination plans, etc.) specific to each city's needs. Results from each of the three projects will be provided.

Speakers: Cody Marshall, The Recycling Partnership; McKenna Morrigan, Cascadia Consulting Group; Kanika Greenlee, City of Atlanta, Keep Atlanta Beautiful

12:15PM – 1:30PM

China's Import Regulations - Where Do We Stand?

When China announced the ban of certain recyclables from importation, it threw a giant curve ball at the rest of the world. Suddenly alternative options are needed - and fast. What is the fall-out from this decision? Is it short-term? Or do we need to find a permanent alternative to managing these materials.

Speaker: Susan Robinson, Waste Management



1:45PM – 3:00PM

40 Under 40: Bold Insights from Rising Stars

Back by popular demand, this session will highlight a panel of 40 under 40 award winners, to get an inside look at what they see as the industry's challenges and opportunities in this power session. Attendees will gain insight on:

- Young professional's perspectives of where the waste industry is headed
- How technology is changing the waste industry
- Advice on dealing with the biggest challenges facing the waste industry in the future

Sponsored by CPG

3:15PM – 4:30PM**Garbage Is Local: Changing Habits through Education**

When it comes to the environment, more people are becoming aware of the benefits of going green. However, it can be challenging for entire communities to embrace recycling. In order to impact change in local communities, it's critical to educate consumers where they live, work and play.

In this session, hear from different groups that implemented successful programs, including:

- An outreach program conducted in Southern Nevada to introduce and encourage recycling within the school system and community, which can be replicated throughout the country to get teachers to help in the mission to reduce waste.
- The outreach program from TDS Eco Academy that educates K-12 students about trash, recycling and composting options in their schools, making learning fun and enabling real world application.
- How a Minor League Baseball team has become one of the greenest teams in the league and diverted nearly a million pounds of material from the landfill.

Speakers: Jeremy Walters, Republic Services; Craig Rosen, Desert Research Institute; Rachel Lewison, Nevada; Christy Youker, Texas Disposal Systems; Darien Clary, Austin ISD; Chris Almendarez, Round Rock Express

**Waste 101****9:00 – 10:00AM****DOT Compliance 101**

This session will give participants an understanding of how to hire and maintain their CDL Drivers in a manner compliant with the Federal DOT Regulations.

- Hiring Drivers: DOT Compliant Background Checks, Pre-Employment Drug Testing and DOT Medical Exams
- Drug and Alcohol Testing Programs: Random, Post-Accident and Reasonable Suspicion
- DOT Medical Exams: Certified Medical Examiner Examinations and Proper State Interaction
- Driver Qualification File Management: Required Documents and Compliance Review
- CSA Compliance/Safety/Accountability: Review of CSA data and managing the DOT required review
- Motor Vehicle Records and MVR Monitoring: Insuring that your drivers have a valid CDL license
- DOT Audits: Preparation and Planning

Speakers: Tony Cardamone, Concorde

10:15AM – 11:45AM**A Healthy Focus on Human Capital**

Public, private, big or small, there is one goal every company in the waste industry has in common: keeping humans safe. Whether it's keeping drivers hydrated, rested, or better equipped with technology, the waste industry is focused on keeping people healthy and unharmed. In addition, properly executing a safety strategy can lead to higher performance and reduce medical costs, lost time and turnover. Find out what strategies, best practices, and technologies can be implemented by your company that will result in operational efficiency and safer streets for everyone.

Speakers: Mark Paulsen, Wilderness Athlete; Ben Hoffman, Occupational Medicine; Bob Norton, All Waste

1:45PM – 3:00PM**Feeling Taxed?****Insight and Best Practices in the Latest Tax Policies**

With recent changes in legislation, navigating the tax world can be complicated – corporate tax rate

reductions, accelerated depreciation provisions, private activity bonds and more. In this session, tax experts will share insight into how the latest tax reform laws affect the solid waste and recycling industry, and what potential benefits and challenges your company may face.

1:45PM – 3:15PM**Advocacy Academy**

The key to success for any government relations practitioner is the development and maintenance of relationships with legislators and staff over time. This panel of former legislators will help guide mid-level government relations practitioners in how to develop productive and long-lasting relationships with the people that they need to influence. The panel will provide insights and advice on the *Five Essential Practices of the Successful Government Relations Practitioner*.

**Composting & Organics Recycling****Keynote Session & Track 1 – Food Waste Recovery, Organics Recovery Infrastructure Development, Composting, Anaerobic Digestion, Odor Management****9:00AM – 10:15AM****Keynote Session: Solutions to Food Loss, Waste, and Recovery; Organics Diversion Legislation and Infrastructure Development**

Moderator: Dr. Stuart Buckner, Buckner Environmental Associates, LLC

- Nationwide Public Service Awareness Campaign to Reduce Wasted Food. Darby Hoover, Senior Resource Specialist, Food & Agriculture Program, NRDC; Rachele Reeder, Director, The Ad Council
- Walmart's Farm-to-Fork Food Waste Strategy. Kate Worley, Senior Manager, Solid Waste & Recycling, Wal-Mart Stores, Inc.
- California's Mighty Organics Recycling Challenge: Can It Be Met and How? Paul Relis, Senior VP, CR&R Inc., CA
California has embarked on the goal of removing organics in landfills by 2025. The organics effort focuses on building an organics infrastructure that will require a multi-billion-dollar investment. CR&R is at the vanguard of this state wide. It's AD facility is the largest such facility in North America. In this presentation, it will be explained how the CR&R facility implements all aspects of California's organics policy objectives.

10:30AM – 12:00PM**Composting Infrastructure Development, Process Management, Keys to Profitability**

Moderator: Evan Edgar, Edgar and Associates

- Subtitle C: Regional Mega-Facilities are the Future of Commercial Composting. Rachel Oster, Diversion Strategies, CA
- Large Scale Composting - Keys to Long Term Profitability. Tim O'Neill, Engineered Compost Systems, WA
- The Effect of Feedstock Sizing on Aerated Static Pile Composting. Dave Girard, Peterson Corp, OR
- Septage Treatment and Composting for Small Waste Operations. Andy Miller, Estancia Valley Solid Waste Authority, NM

1:00PM – 2:45PM**Anaerobic Digestion, Mechanical Biological Treatment & Recycling Technologies for Processing MSW and Producing High Quality Compost and Renewable Energy**

Moderator: George Savage, VP, CalRecovery, CA

- Revisiting Source Separate Collection – Clean Compost, Biogas, and Valuable Recyclables from MSW Using Effective Pretreatment and Anaerobic Digestion. Luc De Baere1*, N. McDonald*2, Organic Waste Systems (OWS) 1 Belgium; 2 Ohio
- Anaerobic Digestion of the Organic Fraction of MSW. Thomas Gratz, Hitachi Zosen Inova, GA
- A Flexible Approach to Organics Recycling from MSW with New and Existing Anaerobic Digesters. Dr. Yaniv Scherson, Anaergia, CA
- Organics and Mixed Waste Processing: A 2018 Case Study. Jeff Draper, Bulk Handling Systems & Zero Waste Energy, CA

3:00PM – 4:30PM

Anaerobic Digestion and Composting: Factors Affecting Facility Design, Strategies for Technology Selection, New Stimulants for Financial Success

Moderator: Gary Bilbro, NewGreen Consulting

- Optimal Food Waste Recycling. Marieke Krompkamp, Waste Treatment Technologies, Netherlands B.V.
 - Anaerobic digestion and composting technologies, as well as combination of both processes will be presented and compared
- What to do with 5.6 Million Tons of Food Waste? Jim Miller, J.R. Miller & Associates, CA
 - Strategies for Selecting the Most Cost-Efficient Collection & and Processing Systems for AD, Lessons Learned and Case Studies of Facility Design and Development
- Food Waste Digestion: Feedstock Complexities / Process Solutions. Diarmid Jamieson, SLR Consulting Limited, UK
- The New and Improved Financial Landscape of Anaerobic Digestion. Eric Herbert, CEO, Zero Waste Energy, CA

4:45PM – 6:00PM

Organics Collection Strategies and Rate Structures, Reducing Contamination, Facility Designs that Increase Diversion

Moderators: Evan Edgar, Edgar & Associates, Tate Moeller, Organix Solutions

- Is Your Commercial Organics Rate Structure a Success or a Failure? Laith Ezzet and Haley Kunert, HF&H Consultants. CA
- Reducing Contamination in the Commercial Food Waste Bins to Digest Clean Material at the Sewer Treatment Facility While Meeting Compliance with AB 1826. Tracie Onstad Bills. SCS Engineers. CA
- A Layered™ Approach to Organics Recovery – The Key to Achieving High Diversion Rates. Ken Beaver, Dover Environmental Solutions. TN



Track 2 – Food Recovery Forum

9:00AM – 10:15AM

Keynote Session: Solutions to Food Loss, Waste, and Recovery; Organics Diversion Legislation and Infrastructure Development

Moderator: Dr. Stuart Buckner, Buckner Environmental Associates, LLC

- Nationwide Public Service Awareness Campaign to Reduce Wasted Food. Darby Hoover, Senior Resource Specialist, Food & Agriculture Program, NRDC; Rachelle Reeder, Director, The Ad Council
- Walmart's Farm-to-Fork Food Waste Strategy. Kate Worley, Senior Manager, Solid Waste & Recycling, Wal-Mart Stores, Inc.
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focuses on building an organics infrastructure that will require a multi-billion-dollar investment. CR&R is at the vanguard of this state wide. It's AD facility is the largest such facility in North America. In this presentation, it will be explained how the CR&R facility implements all aspects of California's organics policy objectives.

10:30AM – 12:00PM

Advances in Wasted Food Policy, Practices, and Management, Highlighting What Cities and States can do Differently When It Comes to Wasted Food

Moderator: Amy Keister, VP Consumer Engagement, Compass Group

- Implementation of Oregon DEQ's Strategy to Prevent the Wasting of Food. Ashley Zanolli, Senior Policy and Program Advisor and Elaine Blatt, Senior Program and Policy Specialist, Oregon DEQ Materials Management Program. OR
Presentation highlights include:
 - Motivations and opportunities to reduce wasted food
 - Attitudes and behaviors related to preventing the wasting of food
 - Effective call to action messaging for households and businesses
 - Wasted food better practices in the commercial sector
 - Wasted food prevention campaigns
 - Developing a wasted food baseline
 - Food rescue opportunities
- Food Matters: New Data on Food Wasted in Cities and How to Expand the Amount of Food We Rescue. Darby Hoover, Senior Resource Specialist, Natural Resources Defense Council (NRDC) Food & Agric. Program. CA
Discussion of NRDC Cities Baseline Food Waste Assessment & Cities Food Rescue Analysis – results & next steps

1:00PM - 2:45PM

Panel Discussion: From Insight to Action: How Food Businesses are Taking the lead to reduce waste from supplier to consumer

Food waste and how to solve it remains a hot topic in the U.S. and throughout the global supply chain. In this session, leaders in this movement will give case studies as to what their companies or organizations are doing to address food waste across the supply chain, and what solutions have been developed to reduce our environmental footprint, maximize efficiency, and address the challenge of food waste and food insecurity in the U.S.

Moderator: Ashley Zanolli, Oregon DEQ Materials Management Program

Panelists:

- Addressing Food Waste Across the Supply Chain: Lessons from the Food Waste Reduction Alliance (FWRA), Andy Harig, Senior Director of Sustainability, Food Marketing Institute (FMI)
- Every Day is Stop Food Waste Day - partnerships, solutions, success stories and lessons learned, Amy Keister, VP Consumer Engagement, Compass Group
- Addressing ReFED's retail and food service guide, Chris Hunt, Senior Advisor, ReFED, Food Waste Initiatives and Results at Walmart, Kate Worley, Senior Manager, Solid Waste & Recycling, Walmart
- Reducing Food Waste in the Hotel and Hospitality Industry, Pete Pearson, Director, Food Waste, World Wildlife Fund (WWF)
- Food Waste Reduction at the Las Vegas Convention Center, Stephan Blaser, Executive Chef, Las Vegas Convention Center. Centerplate

3:00PM - 4:30PM**Federal Policy Panel: Reducing Food Waste and Food Loss in the U.S.****Moderator:** Dr. Elise Golan, Director for Sustainable Development, USDA

- Environmental Policy to Reduce Food Loss and Waste: Measurement, Leadership and Best Practices. Cheryl Coleman, Director, Resource Conservation and Sustainability Division, US EPA. DC
- Legislative Opportunities to Reduce Food Waste and Increase Food Recovery. Katie Sandson, Clinical Fellow, Food Law and Policy Clinic, Center for Health Law and Policy Innovation. Harvard Law School. MA
- Federal Food Waste Policy Priorities. Chris Cochran, Executive Director, and Chris Hunt, Senior Advisor, ReFED; Emily Broad Leib, Assistant Clinical Professor of Law, Director, Harvard Law School Food Law and Policy Clinic.

4:45PM - 6:00PM**'Save The Food' Campaign: Results and Examples of a Partnership between the NRDC and the Ad Council's Public Service Campaign to Reduce Wasted Food****Moderator:** Regina Northouse, Food Recovery Network

- The Issue of Food Waste and NRDC's Work with Partners, Darby Hoover, Senior Resource Specialist, Food & Agriculture Program, NRDC
- Results of Save The Food Campaign. Rachelle Reeder, Director, and Hilary Landa, Campaign Manager, The Ad Council
- Local Example: Dakota County, MN. Jenny Kedward, Environmental Specialist, Dakota County, MN

Tuesday, April 24, 2018**SPOTLIGHT SESSIONS: FREE TO ALL ATTENDEES****11:00AM - 12:20PM****Industry Trends: What Should You Be Watching?**

Flexible packaging, recycling bans, driverless vehicles, worker shortage, EPR, commodity pricing – what trends should you be watching? Find out what key trends, challenges, and opportunities will potentially impact your business in 2018 and beyond.

Speakers: Michael Hoffman, Stifel; Bryan Staley, EREF; JD Lindeburg, RRS**1:15PM - 2:45PM****SPOTLIGHT SESSION: FREE TO ALL ATTENDEES Reducing Food Waste and Increasing Organics Diversion and Recovery in Municipal, County & State Programs****Moderator:** Darby Hoover, Natural Resources Defense Council (NRDC)**Speakers:**

- Don't Waste Food SC: A Collaborative Campaign of Stakeholders to Reduce Food Waste. Richard Chelsey, SC Department of Health and Engineering, SC and Anna DeLage, South Carolina Department of Commerce, SC
- Food Waste & Organics Recycling in NYC: Programs and Strategies for Building the Nation's Largest Organics Collection Program. Kamil Krawczyk, Senior Manager of Field Operations. Department of Sanitation. NY
- Organics Diversion in Hennepin County. Ben Knudson, Recycling Specialist, Hennepin County Environment and Energy Department. MN
- Mandatory Food Composting in San Francisco. Alex Dmitriew, Commercial Zero Waste Coordinator. San Francisco Department of the Environment. CA

3:30PM - 4:45PM**SPOTLIGHT SESSION: FREE TO ALL ATTENDEES****Move from Data Collection to Real-Time Success**

Technology is more and more prevalent in the waste and recycling industry. Software, hardware, smart sensors and various devices - all collecting and generating data. Growing volumes of data. You may realize the potential significance of this data, but what does it really mean to your business? How do you move from data collection to actions based on data? Are you able to leverage all of it to get the right information to make real-time decisions to improve the efficiency of your operation?

Sponsored by:  AMCS**10:15AM - 11:00AM****Keynote Interview: Sitting Down with Jim Fish**

Join this session to hear a one-on-one "fireside chat" with the CEO of the largest waste management company in the U.S. Jim Fish will share his perspective on where we stand as an industry now, what significant challenges we face, and where the industry might be headed in the future.

**Innovation & Advancement****12:30PM - 1:45PM****Cha Cha Cha Changes - The Evolving Ton Over the Next 10 Years**

It has been 10 years since the term the "evolving ton" was coined. This presentation takes a glimpse back at the composition of the waste stream and explores future changes of the waste stream. We'll discuss changes in consumer packaging and products and forecast how these changes will affect the waste and recycling industry.

Speaker: Will Flower, Winters Brothers**2:00PM - 3:15PM****A Case Study for Curbside Plastic Film Recycling in the U.S.**

From grocery bags, to food storage, to plastic packing materials, 3 billion pounds of plastic film is generated each year in the U.S. and most of it ends up in landfills. But are there other options? In this session, industry experts will discuss how curbside collection could transform the collection and recycling of plastic film that would otherwise go to landfill, and share a case study on the latest efforts to bring more recoverable residential plastic film into the recycling stream - how it can be done, and the benefits and challenges of doing so.

Speaker: Kelly Semrau, SC Johnson**Application & Implementation****12:30PM - 1:45PM****Fueling the Industry: A Case for CNG**

Although there is a lot of talk about electric these days, CNG is as relevant in the waste industry as ever. This session will focus on current CNG truck technology from fleets, truck OEMs, and equipment OEMs, how to convert from diesel to CNG, and how you may be able to cut costs through the use of the Volkswagen settlement funds to purchase Natural Gas Vehicles.

Speakers: William Zobel, Trillium CNG; Kyle Takavitz, Worthington Industries; Aaron Lay, TruStar Energy

2:00PM – 3:15PM

Safety Technology: A Hauler Roundtable

Join this session for a discussion between haulers that will provide real-world insight into the latest advances in safety technology in the industry today. Hear these experts discuss things like: the role data plays in taking the industry out of the top 5 in riskiest jobs; driver “big brother” concerns; using data to benchmark the current state of safety programs, which safety technologies might impact the industry in the next few years.

Speakers: Shawn Mandel, Waste Connections; Jeff Martin, Waste Management; Jerry Sjogren, E.L. Harvey



Rules, Regs, and Policies

12:30PM – 1:45PM

Boosting Your Safety Program

Listed as one of the most dangerous professions in America, there is no larger priority in the waste and recycling industry than safety. Which is why having a solid safety foundation is essential to every company. Hear from experts on how to boost your safety program, to ensure you have effective communication, training programs, and regulatory compliance.

Speakers: Justin Ganschow, Caterpillar; Lloyd Andrew, EnviroSH; Douglas Castro, Global Educational Resource Alliance

2:00PM – 3:15PM

California Dreamin’ or A Nightmare?

The State of California has always presented unique challenges in how the waste and recycling industry is regulated. It is also true that many ideas start in California and move to other legislatures in the east. Join this panel of political, legislative and regulatory experts as they discuss the latest developments related to the makeup of the legislature and the administration, campaigns and elections, and the status of important legislation and regulatory measures related to waste management and recycling in Sacramento.

Speaker: Eric Potashner, Recology



Business Acumen & Insights

12:30PM – 1:45PM

Communicating in a Crisis

Experienced communications professionals will share their expertise and offer best practices to successfully manage communicating in a crisis. Attendees from large and small companies will take away lessons they can apply immediately.

2:00PM – 3:15PM

Economics of MRFs

Ever wonder about the costs associated with MRFs? How much to build one? How much should be set aside for upgrades? What about operational expenses? Where’s the revenue and is it reliable? Come hear experts expound on the economics of MRFs.

Speaker: Nat Egesi, RRT Design & Construction



Going Global: International Insights

12:30PM – 1:15PM

Starting from Scratch: A Zero Waste Case Study

Comprehensive waste management systems develop, change and phase in over time. But what if an entire city or state could simply start over? What about an entire country? That is exactly what Qatar is going to do. Finalized in late 2017, the Zero Waste Qatar project, developed by Zero Waste Energy, is a recycling complex located on the outskirts of capital city Doha. The facility will process the country’s

entire waste stream in one central location, including recyclables, mixed waste, organics, construction and demolition, and everything else. Technology includes advanced screen, air, optical, anaerobic digestion, composting and gasification technologies to produce commodities, including compost, and generate energy. Carbon credits will be made available to Qatar Airways and the World Cup.

Speaker: Jeff Boggs, Zero Waste Energy

2:00PM – 3:15PM

Oh Canada! Insights from Across the Border

This session will look at recycling programs and technologies to the North, from major cities across Canada. Hear from the city of Toronto on the implementation of a new second generation organic cart, from design to implementation to consumer satisfaction and results. Also, find out the outcome of the implementation of green bin programs and every-other-week (EOW) garbage collection in more than 50 municipalities across Canada, and the effects it had on diversion rates, trash tonnage, and community engagement.

Speakers: Wilbert Yang, Tetra-Tech; Rob Orpin, City of Toronto



Track 1 – Odor Management, Organics Diversion and Infrastructure Development, Collection and Processing Food Waste & Organics, Anaerobic Digestion – Opportunities and Issues

9:00AM – 10:15AM

Managing Odors and VOC’s at Organics Recovery Facilities

Moderator: Evan Edgar, Edgar & Associates

- Managing Odors at Composting and Other Organics Facilities. Patrick Sullivan, SCS Engineers. CA
- City of Albany Biosolids Management Program to Implement a Composting Solution. Brian Fuchs, GORE® Cover: North America. DE
- VOC Regulation in California and the Elephant(s) in the Closet. Geoff Hill, Engineered Compost Systems. WA

10:30AM – 12:00PM

Organics Legislation, Building Food Waste & Organics Infrastructure, Achieving Diversion Goals

Moderator: George Savage, VP, CalRecovery, Inc.

- Increasing Capacity and Building Food Waste and Organics Recovery Infrastructure. Lorenzo Macaluso, The Center for EcoTechnology. MA
- Mandatory Organics Legislation and a Study on Organics Capacity. Tracie Bills. SCS Engineers. CA
- Organics Out! Meeting Sb 1383: CA’s Goal of 75% Diversion by 2025. Veronica Pardo, California Refuse Recycling Council Regulatory Affairs Director. CA
- Entering the Anthropocene With the Power of Organics, Evan Edgar, Principal, Edgar & Associates, Inc. CA

1:15PM – 2:45PM

Business Models for Organics Recovery Facilities, Anaerobic Digestion: New Financial Drivers, Improving Process Management

Moderator: Debra Darby, Organix Solutions

- Organics Recycling Business Models. Paul Oostelbos, Plexus Recycling Technologies. CO
- Canadian Biogas Market Stimulants. Maxime Lemonde, CEO, BiogasWorld Media. CAN
- Food Waste Diversion: Organics Separation and Grit Removal, Prior To Energy Conversion. Cedric Vanderbeken, DRYCAKE, CAN
- Utilizing Existing Wastewater Treatment Plant Infrastructure to Close the Loop on Retail Unsold Food. Ben Kuethe, Divert Inc. MA

3:00PM – 4:30PM**Collection and Processing Systems for Food Waste and Other Organics****Moderator:** Gary Bilbro, EcoSafe® Zero Waste

- Collection and Processing Methods to Build Capacity to Recover Organics. George Savage, VP, CalRecovery, Inc.
- Making Economic Sense of Organics Recycling. Debra Darby, Organix Solutions Residential hauling data will be presented to analyze the cost effectiveness of the three collection solutions for organics.
- Strategic Programs for Maximizing Diversion. Rick Shipley, CEO, Organix Recycling, IL
- Sustaining Organics Collection in Low-Income Multifamily Buildings: A Property Manager's Toolkit, Anna Dyer, Seattle Housing Authority. WA

4:45PM – 6:00PM**So, You Want to Build an Anaerobic Digester? What You Need to Know, Q & A Discussion**

Although the AD industry in North America has grown, many AD projects have failed. This session will provide an open dialogue with AD industry experts with experience in building successful plants or remediating failing plants. Discussion will include sound development practices, fatal flaw analysis, sound technology design and implementation, meeting the pre-processing needs of varying organics, hidden long-term operating expenses, post-processing, selecting between high/low BTU, and other critical considerations for success. Panelists will share insight from their actual AD operations on what they built or inherited, and how their business model evolved to ensure a great reference project. Attendees will gain a deeper understanding of what AD developers and those involved in biogas projects need to know for a successful project.

Panelists:

- Nadeem Afghan, BIOFerm Energy Systems (Moderator)
- John Haeckel, Clean Fuel Partners
- Brandon Moffat, StormFisher Environmental
- Annette Berger, KB BioEnergy

**Track 2 – Food Recovery Forum****9:00AM – 10:15AM****Youth Engagement in Food Recovery for a More Sustainable Food System: Strategies and Opportunities****Moderator:** Regina Northouse, Executive Director, Food Recovery Network

- Towards a New Triple Bottom Line in Food Product Development. Jonathan Deutsch, Professor, Center for Food and Hospitality Management, Drexel University and the James Beard Foundation The Drexel Food Lab unites students and faculty in culinary arts, food science, nutrition and related fields around solving real world problems. Students have been engaged with farmers, food manufacturers, retailers, and food banks to convert surplus food into market-driven value-added food products
- Training the Next Generation of Chefs to Reduce Food Waste. Kris Moon, VP, James Beard Foundation The James Beard Foundation, supported by the Rockefeller Foundation, recently embarked on a national curriculum project to train culinary students in food waste recovery within and beyond commercial kitchens.
- Organizing Youth for Food Recovery. Regina Northouse, Executive Director, Food Recovery Network

In the 229-chapter National Food Recovery Network, students work with food providers and the chef community to recover and distribute by applying a national model to address food insecurity.

10:30AM – 12:00PM**Using Data and Technology to Drive Food Waste Reduction**

A panel of experts and entrepreneurs will discuss how data and technology is being used to develop successful organics recycling programs, address collection efficiencies, and provide solutions to reduce food waste and ensure recovery of food scraps

Moderator: Leah Lizarondo, CEO, 412 Food Rescue

- B2B Solutions for Reducing Food Waste & Increasing Your Bottom Line. Paul Lang, BlueCart. NY
- Using Data to Drive Food Waste Reduction. Ricky Ashenfelter, CEO, Spoiler Alert. MA
- Solving Your Company's Dumbest Problem: Food Waste. Komal Ahmad, CEO, Copia. CA
- Using Analytics to Minimize Shrink through Behavioral & Operational Changes. Ryan Begin, CEO, Divert, Inc. MA
- Innovations in Post-Harvest Loss Prevention: What farmers are developing and the use of technology. Danielle Nierenberg, President and Founder, Food Tank. LA

1:15PM – 2:45PM**Reducing Food Waste and Increasing Organics Diversion and Recovery in Municipal, County & State Programs****Moderator:** Darby Hoover, Natural Resources Defense Council (NRDC)

- Don't Waste Food SC: A Collaborative Campaign of Stakeholders to Reduce Food Waste. Richard Chelsey, SC Department of Health and Environmental Control and Anna DeLage, South Carolina Department of Commerce
- Food Waste & Organics Recycling in NYC: Programs and Strategies for Building the Nation's Largest Organics Collection Program. Kamil Krawczyk, Senior Manager of Field Operations. Department of Sanitation. NY
- Organics Diversion in Hennepin County. Ben Knudson, Recycling Specialist, Hennepin County Environment and Energy Department. MN
- Mandatory Food Composting in San Francisco. Alex Dmitriew, Commercial Zero Waste Coordinator. San Francisco Department of the Environment. CA

3:00PM – 5:00PM**Food Rescue and Recovery: An Analysis of Problems and Solutions, Successful Strategies, Model Programs, and BMP's to Reduce Food Waste****Moderator:** Regina Northouse, Food Recovery Network

- Technology + Civic Engagement: Can it scale retail food recovery? Leah Lizarondo, CEO, 412 Food Rescue. PA
 - Presents the best practices in launching and scaling a local food recovery organization, how to grow food recovery's stakeholders: retail food donors, nonprofit, recipient partners and volunteers, How to harness technology and social media to scale, How to effectively grow your volunteer network, How to establish innovative transportation partnerships that facilitate access for volunteers, How to effectively track and measure impact.
- Learning Not to Waste: The Power of Attentiveness & Avoiding Mixed Messages, Brian Roe, Professor, Dep't of Agriculture, Environmental and Development Economics Leader, Ohio State Food Waste Collaborative, OSU

- Food Insecurity, Food Waste, Food Rescue and Food Redistribution: A comparative analysis of 6 US cities. Jackson Lamb and Bob Farmer. Metropolitan State University of Denver
- Industry, Safety Net, and Community Partnerships for Food Recovery. Marv Zauderer, Exec. Director, ExtraFood.org, CA
- Superior Logistics Turn the Tide in Detroit's Fight Against Hunger. Kirk Mayes, CEO, Forgotten Harvest. MI

Wednesday, April 25, 2018



SPOTLIGHT SESSION: FREE TO ALL ATTENDEES

9:00AM – 10:15AM

A Family Affair: Transitioning to the Next Generation

Celebrating the 50th anniversary of WasteExpo, this session brings together different generations of family-owned waste companies to delve into the unique experience of transitioning a business from one generation to the next. Find out what challenges and opportunities may arise, what steps to take for familial succession planning, and how family-owned businesses adapt to the evolving waste industry.

Speakers: Royal Coulter & Chris Coulter, Peoria Disposal; Dan Jongetjes & Brian Jongetjes, John's Disposal



Innovation & Advancement

10:30AM – 11:45AM

Route Optimization Savings

Would you prefer a driver that does 800 pickups per day, or a safer driver that can do 1,000? This session will focus on both the significant financial impact that implementing route optimization technology has on your operational costs, as well as provide real-world examples of the benefits of integrating multiple technologies for planning and managing performance, to create more "optimized drivers."

Speakers: Calum Forsyth, Tom Malone, EasyRoute; Jessica Cearfoss, RouteSmart Technologies

12:15PM – 1:30PM

IoT & Smart Cities: The Future Is Now

The Internet of Things (IoT) has accelerated the idea of Smart Cities, and internet connected devices now gather information to help these cities achieve their goals of livability, sustainability, community services and improved city management. By embracing this digital revolution, companies are changing the way they engage with their customers. They are gaining valuable insight from real-time data that is allowing them to make strategic decisions across their entire organization. In this session, hear how companies are evolving to adapt to this new data-centric industry, while significantly improving driver safety, reducing costs, and streamlining the way they do business.

Speakers: Michael Winton, AMCS Group; Don Gambelin, Compology; Blake Glasca, MuHu; Greg Lettieri, Recycling Track Systems

1:45PM – 3:00PM

Workforce Recruitment: Insights from HR Experts

It's no secret that the workforce shortage is a major concern for the waste industry, and that's only going to continue to grow over the next 5-8 years. So

what can your company do to stand out, to ensure you're attracting and retaining the right talent? Join this panel of HR experts to hear insights on what programs you should have in place to not only hire, but retain good employees.



Application & Implementation

10:30AM – 11:45AM

Commodity Predictions: What's Headed Our Way?

Industry experts that track recycling commodities will provide insights on what's been happening to markets related to paper, plastics and glass. They'll gaze into their crystal balls and provide attendees with forecasts for the coming year.

12:15PM – 1:30PM

Maintenance Technology: A Hauler Roundtable

Join this session for a discussion between haulers that will provide real-world insight into the latest advances in maintenance technology in the industry today. Hear these experts discuss things like: preventative and predictive maintenance; OEM diagnostic platforms; maintenance ERPs, which maintenance technologies might impact the industry in the next few years, and so much more.

1:45PM – 3:00PM

A Case Study for Waste Conversion

Hear recent case studies on the latest waste conversion technologies that are eliminating waste disposal in landfills while generating new, viable resources and energy.

Speakers: Mike Hart, Sierra Energy; Jeff Snyder, Aries Clean Energy; Craig Stuart-Paul, Fiberight



Rules, Regs, and Policies

10:30AM – 11:45AM

Dotting Your I's – How to Ensure You're Not Breaking Any Labor Laws

With the Trump Administration fully in control of the leadership at the Department of Labor, there have been a number of new developments in this important area of the law. There are several modifications and proposed rules under development related to electronic record keeping, drug testing, overtime, joint employer, micro-unions, and others. There have also been a number of changes at NLRB including two new commissioners and a new general counsel. This panel of seasoned and experienced labor law and employment lawyers will discuss the most recent legal developments and answer your question on issues that impact your workforce and your company.

12:15PM – 1:30PM

Special Waste: What Should We Know?

Special wastes can be a significant source of revenue for a landfill. But before accepting these materials, what should a landfill think about? Are there any design or operational considerations that should be taken into account? What regulations or potential enforcement actions should landfills be aware of, for special waste like TENORM? Learn about the latest pitfalls and challenges facing special waste.

Speaker: Philip Comella, Freeborn & Peters

Moderator: Duane Lanoue, Civil & Environmental Consultants

1:45PM – 3:00PM

OSHA Under Trump

President Trump was carried to the White House on promises of scaling back government's reach into workplaces. His Administration has framed its regulatory agenda as the "deconstruction of the administrative state." OSHA regulations are apparently at the heart of this deconstruction. Now, a year into the Trump Administration, we have seen significant changes to the OSHA landscape. This program takes a deep dive into actions taken by the Trump Administration in conjunction with the Republican Congress to slash OSHA regulations and lessen OSHA's punitive influence – from the repeal by Congressional Review Act of several Obama-era midnight rules, to a budget and Regulatory Agenda that could gut OSHA's enforcement and rulemaking efforts, and a series of Executive Orders and policy announcement that stopped or rescinded OSHA rules. What does this new face of OSHA mean for the Waste Industry, and what can we expect over the balance of the Trump Administration.

Speakers: Eric Conn, Conn Maciel



Business Acumen & Insights

10:30AM – 11:45AM

Workplace Violence & Threats

Whether it is sexual harassment, bullying, threats, or a difficult termination, the threat or potential of workplace violence lurks in the shadows. This breakout session will be a primer on prevention, preparation for, and actions to take during a workplace violence situation. It will offer tools, and takeaways to the attendees, and offer light at the end of the tunnel.

Speakers: Dan Katt – Rumpke Waste & Recycling

12:15PM – 1:30PM

One Size Does NOT Fit All: Finding the Most Efficient Recycling Program for You

Hear case studies on different recycling programs implemented throughout North America, to learn possible strategies to help improve the performance of your current recycling program. This session will share insights from a study conducted in Iowa meant to inventory existing recycling operations within rural Iowa, to assess the feasibility of creating rural partnerships with a hub and spoke type of system. It will also highlight a review of more than 30 potential residential strategies being used across North America that could help improve the performance and cost-effectiveness of collection programs and other strategies, and open up budgets for adding additional materials and zero waste initiatives for mature, stagnating communities.

Speakers: Michelle Leonard, SCS Engineers; Michael Santulli – SERA

1:45PM – 3:00PM

What Do You Need to Know About Negotiating Contracts?

Responding to requests for proposals for municipalities can be a big challenge, especially for small haulers. This session will identify the steps necessary to execute successful solid waste partnerships between the public & private sector that are essential for the industry to grow and achieve win-win opportunities for all parties. Attendees will learn 10 steps to understanding and creating winning solid waste partnerships, and the top 5 tips & tricks from a West Coast, Midwest and East Coast municipal procurement perspective. Hear about lessons learned from collection, transfer station, MRF and compost procurements and contracts, as well as get a breakdown by geography, focusing on US case studies featuring procurement focal points

in various markets, such as energy, organics and public engagement.

Speakers: Mitch Kessler, Kessler Consulting; Jennifer Porter, GBB



Track 1: Waste Conversion Technologies, FOG, Organics Diversion, Compost Quality & Usage

9:00AM – 10:15AM

Fats, Oils, and Grease (FOG): Processing Options, Products and Revenue Streams

Moderator: BethAnn Taylor, Taylor Environmental

- Co-digestion with Food Waste and Fats, Oils & Grease (FOG). Wayne McFarland. GHD, Inc. NY
- Driving Through the FOG. Gary Bilbro, EcoSafe® Zero Waste. SC

10:30AM – 12:00PM

Innovative Waste Conversion Technologies for Processing Bio-Waste and Creating Renewable Fuels and Energy

Moderator: BethAnn Taylor, Taylor Environmental

- Advanced Biorefineries for Waste Diversion and Circular Economy: The Case of Enerkem. David McConnell, VP, Enerkem Inc. CAN
- FastOx Gasification: Profitably Achieve 100% Recycling. Mike Hart, CEO, Sierra Energy, CA
- Organic Waste to Biogas, What is Next. Xu Fei (Philip) Wu, W&Y Environmental International Inc. CAN
- Zero Waste to Landfill: Processing MSW Organics and SSO with High Temperature Volume Reduction Reactors. Craig Shaw, CEO, Advetec. AUS

1:00PM – 2:30PM

An Integrated Collaborative Approach to Organics Diversion, Equipment for Improving Compost Quality, Tools for Driving Product Use

Moderator: BethAnn Taylor, Taylor Environmental

- Connection with Soil Improvement Critical to Successful Food Waste Recovery. JD Lindeberg, President, RRS. MI
 - Includes discussion of tools for local composters that will help grow their market for both services and the final product
- Organics Diversion Through Integrated Extension-based Outreach and Education. Cole Smith, University of California Agriculture and Natural Resources. CA
- Is Compost Just for Organic Farmers and Environmentalists? – Moving Compost to Mainstream. Dr. Robert Winn, Organic Resource Company. TX
- Clean Compost from Mixed Waste Organics. Brian Schellati, Van Dyk Recycling Solutions

2:45PM – 3:45PM

Equipment Solutions that Address Contaminant Issues, Removal Requirements for Compost and AD Processing, and Odor Control

Moderator: Gary Bilbro, EcoSafe® Zero Waste

- Food Waste to Bioenergy - a Synergistic Approach Utilizing the Ecrusor™ Food Waste Depackaging System. Sudhakar Viswanathan and Richard DiMassimo, Veolia Water Technologies. NC.
- Addressing Outdoor Odor Emissions. Michael Lewis, BossTek. IL

4:15PM – 5:45PM

Movie – Presentation of 'Wasted! The Story of Food Waste'

The documentary addresses the global food waste problem and boasts a veritable who's who of culinary stars. Among the famous faces in Wasted's are Anthony Bourdain, Dan Barber, Mario Batali, Massimo Bottura, Sean Brock, and Danny Bowien. Over the course of the film, the chefs take ingredients that are typically

considered to be trash and consider how to serve them as delicacies. Adapted from Chris Fuhrmeister, Eater.



Track 2 – Food Recovery Forum

9:00AM – 10:15AM

Panel Discussion on Compostable and Recyclable Packaging

Moderator: Ashley Zanolli, Oregon, DEQ

Panelists:

- Making Food Ware Packaging Sustainable and the Alameda ReThink Disposable Project. Ruth Abbe, Abbe & Assoc.
 - Overview of Compostability. Rick Lombardo, Natur-Tec
 - Packaging Attributes Unwrapped. Minal Mistry, Oregon DEQ Materials Management Program
- Discussion of the findings from a meta-review of life cycle assessment (LCA) studies about packaging and food service ware, and insights into the reliability of the material attributes – recycled or bio-based content and being compostable or recyclable – to convey environmental goodness and sustainability

10:30AM – 12:00PM

Expanding Collection of Food Scraps and Compostable Packaging

In 2017, two market studies were conducted to better understand the current state of the infrastructure to divert food scraps and compostable packaging. In the first study, BioCycle refreshed its community access survey to develop a national plot of residential food scrap collection programs. At the same time, Resource Recycling Systems (RRS) collected information on food scraps and packaging acceptance by composters as part of the Foodservice Packaging Institute (FPI) efforts to recover more foodservice packaging. In this session, FPI, BioCycle and RRS will present key findings from the research, examine how the information is being used to gain insights, and discuss significant access and infrastructure gaps that were identified through the process.

Speakers:

- Lynn Dyer, President, Foodservice Packaging Institute
- Nora Goldstein, Editor, BioCycle
- Hunt Briggs, Senior Consultant, RRS (Moderator)

1:00PM – 2:30PM

Lessons from the EU, New Zealand and Australia: Food Waste Recovery, Key Success Factors in Food Waste Management, & Transitioning Food Waste to a Circular Economy

Moderator: Evan Edgar, Edgar & Associates

- Dutch Transitions Agenda for Moving Biomass and Food Towards a Circular Economy. Martin Van Nieuwenhoven, Coordinator for circular economy and international cooperation. The Netherlands
- Global Review of Good Practice in Food Waste Management, Establishing Key Success Factors. Racheal Ajayi, Scott Baum, Cordia Chu, Centre of Environment and Population Health, Griffith University. QLD
- We Compost: How We Diverted Three Million Kilograms of Compostable Waste from the Landfill Starting with One Bin and a Pickup Truck. Steve Rickerby, Founder, We Compost. New Zealand

2:45PM – 3:45PM

Small Scale & Scalable Food Waste Recycling Technologies for Food Waste Generators

Speakers will discuss small scale composting and processing systems designed for commercial establishments and institutions. Processing can be done

onsite or offsite. Selected systems are scalable to process residuals from multiple establishments.

Moderator: BethAnn Taylor, Taylor Environmental

- Exo-thermic Reactor for Processing Food Waste and MSW, a Zero Waste Solution. Scott Windham, Advetec Group, UK
- Using a Food Waste Biodigester as the Hub of a Food Waste Reduction Program. Nathan Ridgway, Mecline Developments. UK

4:15PM – 5:45PM

Movie – Presentation of ‘Wasted! The Story of Food Waste’

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Thursday, April 26, 2018



Track 2 – Food Recovery Forum

9:00AM – 11:00AM

Food Waste Diversion & Recovery Workshop

How to Start a Food Waste Diversion Program: for Industrial, Commercial & Institutional generators, Organics Haulers, Composters, Anaerobic Digestion Operators, Municipalities, and Regulators. Gary Bilbro, EcoSafe® Zero Waste

- This workshop will teach waste characterization and diversion processes for food and other organics for any entity generating, hauling or processing organics and those that regulate the sector. Understanding feedstock materials, contamination issues, container and collection options, and BMP’s for handling food and other organic waste. Identifying the benefits to the environment and your bottom line. Anyone that wants to learn more about starting a sustainable food waste program will benefit by attending this workshop.



Track 2: Zero Waste Certified Training Course [Registration fee \$125]

8:30AM – 12:30PM

Introduction to Zero Waste Certified Training

Instructor: Ruth Abbe, President, Zero Waste USA
Attendees will learn:

- Why Zero Waste is the fastest, most cost effective way communities can reduce climate change impacts, promote local sustainability and create green jobs?
- How more than 250 U.S. municipalities are systematically pursuing high diversion and Zero Waste?
- What Zero Waste businesses – now in the thousands, are doing to help lead the way?
- How your community could move toward Zero Waste?
- Where to find the resources needed to further your own knowledge and practice of Zero Waste?

This class is taught in a lively, interactive manner by a nationally renowned expert. The content is designed to be easy to retain and the extensive resources are easy to access. It is valuable municipal staff, haulers, decision makers, advocates and all interested in Zero Waste. Certificates of Completion are awarded to students that pass the open book exam and turn in the evaluation.