



Carolina  
Recycling  
Association

# 28<sup>th</sup> Annual Conference & Trade Show



**MARCH 19-22, 2018**

Harrah's Cherokee Conference Center and Resort, Cherokee, NC





# AGENDA

## Monday, March 19

11:00am – 5:00pm Registration / Info Desk Open Exhibit Hall

### WORKSHOPS

9:00am – 3:30pm Collegiate Recyclers Coalition Workshop & Tour Western Carolina University

2:00 – 5:00pm KAB Council Workshop Hickory

### TOUR

9:00 – 11:00am Tour #1 - Zero Waste: The Cherokee Way Offsite

1:00 – 5:00pm Tour #2 - Chasing Paper: A Closed Loop Tour Offsite

### GOLF TOURNAMENT

11:30am – 4:30pm Check in opens at 10:30am Shuttle available at Sequoyah National  
Shotgun start at 11:30am 10:15 & 10:45am Golf Club

4:30 – 5:30pm Golf Awards & Reception Selu Garden Cafe

## Tuesday, March 20

8:00am – 5:00pm Registration / Info Desk Open Exhibit Hall

8:00am – 12:00pm Exhibitor Setup Exhibit Hall

9:00 – 10:00am First Timer's Meeting Oak

10:00am – 12:00pm Collegiate Recyclers Coalition Business Meeting Locust/Maple

**WORKSHOP**  
9:00am – 12:00pm A - HHW Council Workshop - Don't Paint Yourself in a Corner: Alternatives for Latex Paint Disposal Hickory

**WORKSHOP**  
10:00am – 12:00pm B - Healthcare Sustainability Council Workshop Ash/Beech

10:00am – 12:00pm SERDC Board Meeting Birch

**BREAKOUT**  
10:30am – 12:00pm 1 - Tools Rule: Free Resources for Recycling Coordinators & Educators  Oak

12:00 – 1:00pm Lunch/Exhibit Hall – Soft Opening Exhibit Hall

1:00 – 2:45pm **GENERAL SESSION 1: The New Economics of Recycling** Locust/Maple

2:45 – 3:00pm Break Exhibit Hall & Conference Center

3:00 – 3:30pm NC Composting Council Meet, Greet and Snack Birch

**BREAKOUT**  
3:00 – 4:30pm 2 - Special Waste Café, Pick Two Special  Ash/Beech

3 - Resilient Communities in a Changing Climate  Hickory

4 - Reality Check: Engaging New Audiences  Oak

4:30 – 6:30pm Exhibit Hall Grand Opening Reception Exhibit Hall














8:00pm Rock & Recycle Gala (Doors Open at 7) UltraStar Entertainment Center

# AGENDA





continued

-  Business & Industry
-  Education & Outreach
-  Operations & Data
-  Organics
-  Recycling Program Tools
-  Specialty Collection

## Wednesday, March 21

8:00am – 5:00pm	Registration / Info Desk Open		Exhibit Hall
8:00 – 9:00am	Breakfast		Exhibit Hall
8:00am – 6:30pm	Exhibit Hall Open		Exhibit Hall
<b>BREAKOUT</b> 9:00 – 10:30am	5 - Nerding Out on Data, Apps and Tracking		Hickory
	6 - Deconstructing C&D Recycling		Oak
	7 - Compost U: School & University Organics		Ash/Beech
	8 - What's Working: An Overview of Zero Waste Initiatives		Exhibit Hall Stage
10:00am	Silent Auction Opens		Exhibit Hall
10:30 – 10:45am	Break		Exhibit Hall
10:45am – 12:15pm	Demonstration Café	   	Exhibit Hall
12:15 – 1:30pm	Lunch		Exhibit Hall
<b>BREAKOUT</b> 1:30 – 3:00pm	9 - MRF Trends & Future Technology		Oak
	10 - Away from Home Recycling - Keeping Up the Momentum	 	Hickory
	11 - The Not-So-Basics of Organics Management		Ash/Beech
	12 - Business Time: State Tools for Recycling Businesses		Exhibit Hall Stage
3:00 – 3:15am	Break		Exhibit Hall & Conference Center
3:15 – 4:30pm	CRA Town Hall and Two-States Forum (includes awards)		Locust/Maple
4:30 – 6:30pm	Reception		Exhibit Hall
5:30pm	Live Auction		Exhibit Hall
9:00pm	HHW Karaoke Party		UltraStar Entertainment Center

## Thursday, March 22

8:00 – 10:00am	Registration / Info Desk Open		Exhibit Hall
8:00 – 9:00am	Breakfast		Exhibit Hall
8:00 – 11:00am	Exhibit Hall Open		Exhibit Hall
<b>BREAKOUT</b> 9:00 – 10:30am	13 - Throw the Pro: Bring Your Toughest Questions	 	Oak
	14 - Raise Your Glass to Recycling		Hickory
	15 - Growing Initiative: Organics Early Successes		Ash/Beech
10:30 – 11:00am	Break		Exhibit Hall
11:00am – 12:30pm	<b>GENERAL SESSION 2: The 7 Habits of Highly Effective Programs</b>		Locust/Maple
11:00am – 3:00pm	Exhibit Hall Breakdown		Exhibit Hall
12:30pm	Adjourn		



# DO YOU RECYCLE?

Pratt makes it easy to make a difference



CLOSING  
THE  
LOOP

Our recycling division specializes in assisting our customers in their sustainability efforts, including zero landfill goals. The process starts with comprehensive waste audits for our customers and ends by diverting materials from landfills. These materials are then recycled and converted into new products.

Every year Pratt Industries diverts 1.8 million tons of waste paper, other recyclable materials and waste-to-clean energy materials from the landfill. For many items that cannot be recycled, Pratt uses these as fuel for its Clean Energy plant in Conyers, Ga., producing the energy needed to operate its 100% recycled mill.



You put it out



We pick it up



Non-recyclables power our clean energy plants



Recyclables are made into new, everyday products



WE OFFER RESIDENTIAL,  
COMMUNITY,  
SCHOOL,  
COMMERCIAL,  
AND INDUSTRIAL  
RECYCLING PROGRAMS

We're local and want to get involved  
in your community!

**Pratt Industries  
Recycling Division**

Duncan, SC - 864-801-9993

Columbia, SC - 803-828-6291

Rock Hill, SC - 803-366-0400

Fayetteville, NC - 910-483-6790

Winston Salem, NC - 336-722-4618

For more info about our recycling  
programs and equipment, visit:

[recycle.prattindustries.com](http://recycle.prattindustries.com)

**Call us today to start making a  
difference!**

# Zero Waste at CRA

## Calling all attendees...we need your help to make Zero Waste happen!

CRA has partnered with Harrah's Cherokee to ensure that our waste generation is as low as possible, and that most waste created during the conference is compostable or recyclable.

**Our Zero Waste initiatives include replacing wraps, straws and stirrers with compostable products; using durable glassware and serve ware, eliminating the use of individually packaged condiments, and providing recycling containers throughout the conference areas and on each hotel floor for convenient recycling.** The Cherokee Solid Waste and Recycling Facility program composts all pre-and post-consumer food scraps and compostable products collected from the hotel's food services staff, and they handle recyclable containers and paper collected in public areas and guest floors.

The UltraStar Entertainment Center, a 3rd party vendor at Harrah's, is also participating with making our Rock & Recycle Gala a near zero waste event as well. And this is where we need your help - reducing your own waste is the best option; **skip the straw, don't over fill your plate (even though you'll want to!), and bring your own reusable bottle or coffee mug.**

CRA continues to work towards reducing paper consumption by shortening the printed program, reducing the number of copies available, and utilizing the CRA's mobile App. We use repurposed products (our lanyards used to be vinyl signs) and recycled-content products (our swag-for-sale and awards) whenever possible. Special thanks to Amy Preble and Muriel Williman for assistance leading our zero waste conference efforts; it's kind of a big deal.

**To get involved next year, contact a CRA staff or board member.**



## CRA APP



Navigate the event like a pro with the CRA mobile app! Get up-to-the-minute Exhibitor, Speaker, and Event information; Receive important real-time updates from CRA; Build a personalized schedule and bookmark exhibitors; Take notes, download handouts & presentations, and even rate the sessions you attend; Connect with attendees through Friends and share your photos and experiences. And don't forget to hunt out prizes with the App Game - Trash to Recycled Treasure Hunt!

Get the app now - Visit <http://bit.ly/CRA18app> in your mobile browser to get the download version for your device.



# Workshops

Requires advance registration.

## Safety Guidelines

Observe the following safety guidelines for all workshops:

- Closed-toe shoes are required.
- Do not wear high- or spike-heeled shoes.
- Pants and long-sleeved shirts are required.
- Please be prepared for inclement weather and dress accordingly.

## Monday, March 19

9:00am – 3:30pm

### Collegiate Recyclers Coalition Workshop & Tour

The CRC Workshop is an opportunity to hear from fellow colleagues about exciting innovations, new ideas, challenges, and lessons learned in the world of collegiate recycling. The morning program will feature student speakers, followed by roundtable discussions with collegiate recycling colleagues. This will be followed by lunch and tour of Western Carolina University.

**Transportation will be provided from Harrah's, leaving at 8:00 a.m., and returning to the hotel at 3:30 p.m.** For those who wish to drive directly to Western Carolina, directions and parking information will be provided. Please dress appropriately for walking outdoors.

Cost: \$35

2:00 – 5:00pm

### KAB Workshop

Join the NC Keep America Beautiful Chapter in a fantastic all-encompassing workshop and information session. Opera Recycles Megan Miller, Director of Marketing will join us to talk about marketing "art through art" by recycling outdated high-quality opera programs into couture evening gowns earned Opera Carolina a Mecklenburg County Wipe out Waste Ambassador award. Carly Caldwell of Keep Gastonia Beautiful will discuss KAB affiliation and what's in it for YOU! National credibility, peer networking, training, tools, resources, programs and grants are just a few. Wesley Grindstaff of the NC DOT will provide an update on changes to North Carolina's Litter Laws that may affect you.

Cost: \$25

## Tuesday, March 20

9:00am – 12:00pm

### A - HHW Council Workshop - Don't Paint Yourself in a Corner: Alternatives for Latex Paint Disposal

Don't Paint Yourself in a Corner: Alternatives for Latex Paint - Paint is the #1 most common item brought to HHW drop off and collection programs. It is often perfectly useful and in some cases, completely unused and unopened! Many opportunities exist to reuse paint in your community at a lot cost with a high benefit. Join the HHW council to explore paint management options ranging from PosiShell, paint reuse swap shops, bulking methods, solidifying, and other aspects that programs utilize to reduce and deal with paint waste.

Cost: \$25

10:00am – 12:00pm

### B - Healthcare Sustainability Council Workshop

The Healthcare Sustainability Workshop is aimed at helping healthcare professionals, recyclers, and supporters learn about the specific opportunity of reducing waste in a healthcare setting; up to 80% of a healthcare facility's waste could be diverted from landfills when we overcome the obstacles to progress. The workshop will provide approaches, strategies, networking, and best practices for this unique industry. How can you as a recycling coordinator help your local healthcare facilities in their recycling efforts, and what types of diversion opportunities exist in a healthcare setting? What markets are out there for healthcare plastics and other materials used in this special environment? How do we ensure that material handling practices are safe and non-hazardous? These important questions will be discussed and more. Speakers will include Chris Rogers, Project Manager for the Healthcare Plastics Recycling Council (HPRC) and Robert Render of Ravago Recycling Group and affiliate of the HPRC, visiting us all the way from California!

Featuring Jennifer Sellers, Environmental Sustainability Solutions Program Manager for Atrium Health, and Michelle Mena Villal, Director of Food and Nutrition at Greenville Memorial Hospital, and moderated by Jeff Cooper, Healthcare Facilities Waste Diversion Manager for Waste Management.

Cost: \$25

# Tours

Requires advance registration.

**Monday, March 19**

**9:00 – 11:00am**

## **Tour #1 – Zero Waste: The Cherokee Way**

Harrah's Cherokee Casino Resort is located within the Qualla Boundary, a sovereign nation that operates inside the United States, governed by the Eastern Band of the Cherokee Indians. This unique place offers a different kind of glimpse into a closed loop system. During this tour we will see all of the sustainable practices taking place at the Harrah's resort including food waste and recycling collection, energy efficiency features, and other green hospitality programs. We will then visit the Harrah's Tribal Solid Waste and Recycling Facility that includes a comprehensive food waste and bio-solids composting program, recycling, special waste collection, and more.

The tour group will meet at the entrance to the Council Fire Ballroom in the hotel for the first part of the tour, which will be provided to attendees. **Transportation will be provided from Harrah's to the Tribal Solid Waste and Recycling Facility and will return to the hotel by 11:15.** For those who wish to drive directly to the MRF, directions and parking information will be provided. The tour will include walking outdoors on potentially uneven surfaces, so please wear flat, thick soled, close-toed shoes.

**Cost: \$35**

**1:00 – 5:00pm**

## **Tour #2 – Chasing Paper: A Closed Loop Tour**

Join us as we explore the closed loop system right here in the Carolinas. We are all familiar with the evolving ton: newspaper and magazines are disappearing while cardboard boxes are on the rise thanks to the growth of e-commerce. See how recyclers in North Carolina fit in to a closed loop system of turning old cardboard boxes into new ones.

We'll start by visiting Jackson County's exemplary recycling transfer station, where post-consumer old corrugated containers (OCC) and other recyclables are collected from residents and consolidated for efficient hauling. The tour will continue on to Jackson Paper in Sylva where some of that post-consumer OCC ends up. Established in 1995, Jackson Paper is the largest manufacturer of recycled paper in NC. The company uses more than 100,000 tons of OCC every year to make 100% recycled corrugated medium (the wavy layer) which is supplied to corrugated box makers throughout the United States. We will get a firsthand view of this process, plus a tour of the closed loop water system that allows the company to reuse the large quantities of water needed to make paper.

**Transportation will be provided for this tour; please meet in the Harrah's Motor Coach Lounge by 12:25 to catch the tour bus which will depart at 12:30pm.** We will be back at Harrah's by 5:00pm. For those who wish to drive directly to the tour locations on their own, directions and parking information will be provided. The tour will include walking outdoors on potentially uneven surfaces, so please wear flat, thick soled, close-toed shoes.

**Cost: \$35**

## **Tour Guidelines**

Observe the following safety guidelines for all tours:

- Closed-toe shoes are required for facility tours.
- Do not wear high- or spike-heeled shoes.
- Skirts, dresses or shorts are not recommended.
- Please be prepared for inclement weather and dress accordingly.

# A recycling partner you can count on



Sonoco Recycling is proud to be a sponsor of the Carolina Recycling Association. With 15 recycling facilities across the Carolinas, including six state-of-the-art material recovery facilities, we can process a variety of materials from both commercial and municipal sources. Visit our booth to learn more about our comprehensive recycling solutions tailored to meet your unique sustainability needs.

1 N. 2nd Street  
Hartsville, SC, 29550  
800/377-2692  
sonocorecycling.com  
recyclinginfo@sonoco.com

**SONOCO**  
**RECYCLING**<sup>®</sup>



# General Sessions

**Tuesday, March 20**

1:00 – 2:45pm

## General Session 1: The New Economics of Recycling

Recycling markets are dynamic with sometimes unpredictable inputs like National Sword, and outcomes like price volatility. If it seems like we've been here before, you're right. Our speakers will shed light on historical trends and how innovative companies and state programs can look to history to stay ahead of the game. Learn how end use markets create the pull-through to support community recycling programs, how states can support end use demand, and what the New Economics of Recycling really means.

MODERATOR: **Tonya Randell**, Program Manager, More Recycling

SPEAKERS: **Chaz Miller** (Ret.), NWRA; **Shawn State**, Senior Vice President Southern Region, Pratt Industries; **Chantal Fryer**, Recycling Market Development Director, SC Department of Commerce; **Ken Prevette**, Procurement Manager, Unifi

**Thursday, March 22**

11:00 – 12:30am

## General Session 2: The 7 Habits of Highly Effective Programs

Seven focus areas that can help drive recycling program success for the long term. Presented by colleagues walking the talk.

- 1 Partnerships - **Allison Brockman**
- 2 Collecting and Sharing Data - **Doran Maltba**
- 3 Effective Communication - **Heather Cashwell**
- 4 Cross-Sector Collaboration - **Andrew Ballentine**
- 5 Staff Development - **Sheldon Smith**
- 6 Investment - **Arthur Ligon**
- 7 Innovation - **Joe Suleyman**

MODERATOR: **Matt Todd**, Senior Consultant, RRS

SPEAKERS: **Alison Brockman**, Recycling Coordinator, City of Greenville, SC; **Doran Maltba**, Public Services Director, Town of Kernersville; **Heather Cashwell**, OWRR Manager, North Carolina State University; **Andrew Ballentine**, Solid Waste Manager, City of Hickory; **Sheldon Smith**, Solid Waste Collections Manager, City of Greensboro; **Arthur Ligon**, Solid Waste and Recycling Supervisor, York County, SC; **Joe Suleyman**, Environmental Management Director, New Hanover County, NC

## NC Composting Council Meet, Greet, and Snack!

**Tuesday, March 20**

Join the NC Composting Council from 3:00 – 3:30pm in the Birch Room for a Meet, Greet and Snack to learn more about getting involved in the organics diversion movement!

## Miscellaneous Conference Information

### Need Exhibit Hall Passes?

Exhibit Hall passes are available for exhibitors to allow their clients access to the exhibit hall. Please visit the registration desk to purchase passes.

### Got CEUs?

Continuing Education Units are available for your SWANA Certifications. You can pick up the CEU form for signatures at the CRA Registration Desk.

## CRA Staff

**Mary McClellan**  
Executive Director  
336-972-3565  
Mary@cra-recycle.org

**Jenn Cooper**  
Program/Systems Manager  
877-972-0007  
Jenn@cra-recycle.org



P.O. Box 1296  
Greenville, SC 29602  
877-972-0007  
staff@cra-recycle.org  
[www.cra-recycle.org](http://www.cra-recycle.org)

# Breakout Sessions

**Tuesday, March 20 10:30am – 12:00pm**

## 1 Tools Rule: Free Resources for Recycling Coordinators & Educators

There's only so much time in the day. Why reinvent the wheel when these organizations have already done the hard work to create, test, and develop tools that you can use to increase the quality and quantity of recycling in your programs today. Oh, and did we mention they're free to use?

MODERATOR: **Chaz Miller** (Ret.), NWRA

SPEAKERS: **Allison Francis**, *Lead Communications Specialist*, The Recycling Partnership; **Amy Petley**, *Marketing and Education Consultant*, More Recycling; **Matt Todd**, *Senior Consultant*, RRS; **Wendy Worley**, *Interim Section Chief*, NC DEACS; **Barbara Heineken**, *Consultant*, Carton Council; **Sandi Childs**, *Film and Flexible Programs Director*, Association of Plastic Recyclers

**3:00 – 4:30pm**

## 2 Special Waste Café, Pick Two Special

Just like a menu, special waste collection has a multitude of options to choose from. You can go with a lite fare (Batteries and Textiles) or with the full course (Permanent HHW), but no matter how big your appetite, you can only order what your peridium will cover. Let us tell you about today's special (waste) and see what satisfies your budget.

MODERATOR: **Joe Fitzpatrick**, *Environmental Specialist*, NC DEACS

SPEAKERS: **John Birkholz**, *Business Development Manager*, AERC Recycling Solutions; **Derrick Bell**, *Program Manager*, N.C. Department of Agricultural and Consumer Services, Pesticide Disposal Assistance Program; **Matt Todd**, *Senior Consultant*, RRS; **Scott Shaw**, *VP Sales*, MXI Environmental Services; **John Demary**, *Solid Waste Director*, Pitt County; **Liz Ward**, *VP Internal Operations*, Green Zone

## 3 Resilient Communities in a Changing Climate

Join us for a discussion regarding climate resiliency. During this session you can learn what is climate resiliency, what cities and businesses are doing to manage future climate changes, and innovative disposal options for livestock that have been impacted by climate events.

MODERATOR: **Amanda Fairley**, *Area Sustainability Manager*, Waste Management

SPEAKERS: **Amber Weaver**, *Sustainability Officer*, City of Asheville NC; **Matthew Hutchins**, *Environmental Change Project Lead*, National Environmental Modeling and Analysis Center; **Tony Wartko**, *Director of Facilities Services*, Sea Pines; **Mike Mayes**, *Farmed Cervid Program Manager*, NC Department of Agriculture and Consumer Services

## 4 Reality Check: Engaging New Audiences

Are you responsible for educating your community about best recycling practices, but sometimes your message falls flat? How do you engage audiences in way that resonates with them? This session takes a deep dive into unlocking strategies for connecting with your audience. In this session sustainability professionals will share their experiences and strategies in reaching out to the community and building effective relationships.

MODERATOR: **Chantal Fryer**, *Recycling Market Development Director*, SC Department of Commerce

SPEAKERS: **Tameria Warren**, Ph.D. *Senior Project Manager*, Whitetail Environmental, LLC; **Gail Wilson**, *Owner*, Anchor Shred and Recycle Co.; **Muriel Williman**, *Education and Outreach Coordinator*, Orange County; **Jane Hiller**, *Recycling Education Director*, Sonoco Recycling

**Wednesday, March 21 9:00 – 10:30am**

## 5 Nerding Out on Data, Apps and Tracking

This session will focus on how technology is changing the way the solid waste and recycling industry measures progress and communicates about recycling contamination. From set out rates to routing to neighborhood targeted communication, technology allows the industry to be more effective. Find out how some communities are using accessible technologies that you can bring home to your own program or customers.

MODERATOR: **Leonard Huggins**, Ph.D., *GIS Coordinator*, City of Charlotte

SPEAKERS: **Evan Brown**, *Assistant Operations Superintendent/Systems Analyst*, City of Raleigh; **Scott Mouw**, *Senior Technical Assistance Director*, The Recycling Partnership; **Tori Carle**, *Waste Reduction Supervisor*, City of Greensboro

## 6 Deconstructing C&D Recycling

Construction and demolition materials have a high degree of recyclability, yet remain a major part of our waste stream. Where are we with C&D recycling in the Carolinas? How can we push past the challenges and encourage more C&D recovery? Participants will learn about emerging markets for C&D materials and how to encourage recovery in their communities.

MODERATOR: **Wendy Worley**, *Interim Section Chief*, NC DEACS

SPEAKERS: **Matthew Tomberlin**, *Project Manager*, A.L. Baucom Family Farms; **Phillip Price**, *Owner*, Antique Reclaimed Lumber; **Brad Gardner**, *Solid Waste Director*, Pasquotank County; **John Demary**, *Director of Solid Waste and Recycling*, Pitt County

# Breakout Sessions

## 7 Compost U: School & University Organics

No matter how hungry we are, we don't always clean our plates - and we wind up with a lot of wasted food. Students are no different. Panelists from colleges and schools will discuss how their schools are attempting to reduce organic waste through donation, source reduction, and reuse.

MODERATOR: **Matt James**, Area Environmental Specialist, NC DEACS

SPEAKERS: **Bryan Staley**, CEO and President, Environmental Research and Education Foundation; **Jen Maxwell**, University Sustainability Program Manager, Appalachian State University; **Larry Cook**, Recycling Coordinator, University of South Carolina; **Leslie Rodgers**, Education Director and Compost House Coordinator, Atlas Organics

## 8 What's Working: An Overview of Zero Waste Initiatives

Talk about "Zero Waste" is certainly creating a buzz in the recycling world. This session will provide an overview of zero waste initiatives from a variety of perspectives, helping attendees to gain a better understanding of the realities of zero waste, the progress being made on zero waste, and the goal of a circular economy.

MODERATOR: **Rob Taylor**, Technical Assistance Specialist, The Recycling Partnership

SPEAKERS: **Lani St. Hill**, Outreach Coordinator, North Carolina State University Office of Waste Reduction and Recycling; **Jamie Ragan**, Interim Director, NC DEACS; **Wes Westbrook**, Waste Specialist, BMW Manufacturing Co. LLC; **Tara Nattress**, Graduate Intern, NC DEACS; **Christine von Kolnitz**, Sustainability Manager, Medical University of South Carolina (MUSC)

1:30 – 3:00pm

## 9 MRF Trends & Future Technology

Prepare to have your mind blown. From robots on the sort lines to software able to calculate the value of your recyclable stream as it runs through a MRF, attendees will learn how technology is changing the MRF environment.

MODERATOR: **Paul Hanna**, President, MetalTech Systems

SPEAKERS: **Jim Marcinko**, Director of Field Recycling Operations, Waste Management; **Josh Wagner**, Sales Engineer, CP Group; **Chris Hawn**, Executive Vice President Sales and Business Development, Machinex; **Rob Writz**, Product Development, AMP Robotics

## 10 Away from Home Recycling - Keeping Up the Momentum

Away From Home Recycling: a final recycling frontier. These are the recycling journeys of cities and organizations across the Carolinas. Our mission: to explore new recycling options in public spaces, to seek out tools to educate the public, to boldly go where no government or organization has gone before.

MODERATOR: **Heather Cashwell**, OWRR Manager, North Carolina State University

SPEAKERS: **Alec Cooley**, Director of Recycling Programs, Keep America Beautiful; **Elizabeth Morgan**, Environmental Education Specialist, City of Rock Hill, SC; **Brittany Morra**, Recycling Coordinator, Clemson University; **Blair Pollock**, Solid Waste Planner, Orange County Solid Waste; **Hager Rand**, President, Durham Coca-Cola Bottling Company

## 11 The Not-So-Basics of Organics Management

Join us for a discussion regarding organics recovery in the Carolinas. During this session you can learn from early successes in organics recovery in the Carolinas, what communities and businesses are doing to separate and collect organics, and develop innovative end markets.

MODERATOR: **Noel Lyons**, President, McGill


SPEAKERS: **Noel Lyons**, President, McGill; **Noah Marsh**, Founder, Food Forward; **Joe Suleyman**, Director Environmental Management, New Hanover County; **Chris Underwood**, Vice President Turf Advisory, The Carolinas Davisson Golf Inc.

## 12 It's Business Time: State Tools for Recycling Businesses


Calling all businesses: Public sector and private sector CAN work together. In fact, you might even want to work together after this session. Learn what North Carolina and South Carolina agencies can offer you. We're talking financial incentives, workforce development, siting and infrastructure assistance, and other resources to take advantage of.

MODERATOR: **Wendy Worley**, Interim Section Chief, NC DEACS

SPEAKERS: **Sandy Skolochenko**, Recycling Business Development Specialist, NC DEACS; **Anna DeLage**, Recycling Market Development Manager, SC Dept. of Commerce; **Josh Carpenter**, Western Region Industry Manager, Economic Development Partnership of North Carolina (EDPNC); **Brice Crigler**, Sustainable Waste Program Director, Southeastern Agency Group

 Business & Industry

 Education & Outreach

 Operations & Data

 Organics

 Recycling Program Tools

 Specialty Collection

# Breakout Sessions

Thursday, March 22 9:00 – 10:30am

## 13 Throw the Pro: Bring Your Toughest Questions

Recycling can be confusing at times. Markets change, rules change, packaging and waste streams change. Bring your questions about product recyclability, and “how can I recycle this?” to this group of market experts and see if you can “Stump the Chump”. Prizes will be available for those that bring questions, and can stump the panelists.

MODERATOR: **Heather Cashwell**, *OWRR Manager, North Carolina State University*

SPEAKERS: **Matt Todd**, *Senior Consultant, RRS*; **Joe Clayton**, *VP Business Development, ARCOA Group*; **LaDonna Bolton**, *Republic Conover MRF Division Manager, Republic Services*; **Kevin Fisher**, *Field Procurement Manager, Sonoco Recycling*; **Tonya Randell**, *Program Manager, More Recycling*

## 14 Raise Your Glass to Recycling

Many factors have presented challenges for glass recycling in the Carolinas. Market availability, contamination and pricing have affected glass nationwide. This panel discussion will feature updates from stake holders in different parts of the industry as well as an exploration of different uses for recycled glass.

MODERATOR: **Mike Greene**, *Recycling Business Development Specialist, NC DEACS*


SPEAKERS: **Bill Clark**, *Regional Sourcing Strategic Development Manager, Strategic Materials Inc*; **Ed Purtill**, *Director Procurement North America, Ardagh Group*; **Jason Watkins**, *Field Operations Branch Head, Division of Waste Management Solid Waste Section*

## 15 Growing Initiative: Organics Early Successes


Composting is about making a high-quality product and, more importantly, selling it. During this session you will learn about the latest state resources that are available for organics programs, hear from companies that have a record of diverting organic material in the Carolinas and understand tested strategies for overcoming obstacles in your own organics program.

MODERATOR: **Anna DeLage**, *Recycling Market Development Manager, SC Dept. of Commerce*

SPEAKERS: **Richard Chesley**, *Recycling Program Manager, S.C. DHEC*; **Rebecca Causey**, *Survey Officer, S.C. Dept. of Health and Environmental Control*; **Andrew Green**, *Head of Environmental Sustainability Office, Capital One*; **Leah Cooper**, *Sustainability Coordinator, Mills River Sierra Nevada Brewing Co.*


 Business & Industry

 Education & Outreach

 Operations & Data

 Organics

 Recycling Program Tools

 Specialty Collection

# Demonstration Café

Wednesday, March 21

10:45 – 12:15pm

## Demonstration Café



You know CRA: always coming up with new fun things to help you learn and experience more within the industry! This year we are introducing Demonstration Café. The Demonstration Café session will be devoted to hands on activities and demonstrations. Select exhibitors and attendees will have stations around the exhibit hall for you to interact with on a rotation basis. Activities will feature technology demos, equipment demos, free tools, and reuse activities. Attendees will receive a map to help find your way and stations will be labeled with signage to help. You'll get to visit at least 5 stations!



# Additional Happenings

**Tuesday, March 20**

9:00 – 10:00am

## **First Timer's Meeting**

Is this your first CRA Conference? We welcome you! Please plan to join us at the First Timer's Meeting being held Tuesday morning at 9:00am. We'll spend a little time getting to know each other and have you on your way, well prepared to get the most from your conference time.

**Wednesday, March 21**

3:15 – 4:30pm

## **CRA Town Hall and Two-States Forum**

Join us in this unique Town Hall meeting and forum and be a part of the discussion about what you'd like to see happen in our two state recycling industries. During this Town Hall, we will be recognizing our annual award winners!!! We will hear from our state-level leadership about how North and South Carolina are doing, and then we want to hear from you, our members and attendees. There will be a moderated two-state forum to give attendees the chance to discuss how we can continue to move diversion forward as a united front. We will also be recognizing our outgoing board members and volunteers, discussing CRA's year of activities, and perhaps most excitingly, giving an overview of our finances! And we have door prizes.

# 2018 Annual Auction

**Wednesday, March 21**

10:00am & 5:30pm

**Silent Auction opens: 10:00am / Silent Auction closes: 5:30pm**

**Live Auction: 5:30pm**

Auction items go on display in the Exhibit Hall and bidding begins for the Silent Auction at 10:00am. Keep track of your favorites and bid throughout the day. Make sure to get your bids in before the Silent Auction closes at 5:30pm, after which we will announce the winners and conduct the Live Auction during the exhibitor reception. **ALL PROCEEDS BENEFIT THE CRA!!!** Donations are Tax Deductible.

# Vote!

Let your voice be heard...Vote in the CRA election! Look for the voting booth near the registration desk, or vote online using the link that will be sent to your email. Wondering how it works? You may be surprised to learn that the Carolina Recycling Association is actually governed as a representative democracy, not a recycle-tatership. CRA elections are held every year during the conference. Each member organization is allotted one vote in the annual election for the Board of Directors; your organization must designate who that voting member will be. Candidate profiles are posted near the voting booth/registration, and also listed in CRA's mobile app. We want you to vote, so that CRA's Board will be as diverse as its membership, from all walks of the industry.

**This is YOUR organization, so what are you waiting for? VOTE!**



For the first time ever, CRA is hosting a benefit concert during the 2018 Conference and Trade Show.

**Tuesday, March 20**  
**8:00 – 10:30pm**  
 (doors open at 7pm)  
**UltraStar Entertainment Center**



We've lined up The Ultimate Eagles Tribute – *On the Border* to rock our socks off AND raise money for a local non-profit! The concert proceeds benefit CRA and the Cherokee Indian Hospital Foundation.

"Tickets" for the concert will be via guest list at the UltraStar entrance. In an effort to reduce paper, there are NO printed tickets.

**It Rocks to Recycle** concert is SOLD OUT - see CRA staff for possible available tickets.

Along with the concert, the gala will feature a raffle for bunches of cool stuff, some bowling fun, and an after-party that might feature some of our famous karaoke time!



**Stick around for the AFTER-PARTY in the same location.**

The **Cherokee Indian Hospital Foundation** is a community based organization that raises funds to fulfill needs of the Cherokee Indian Hospital not covered by the normal operating budget and increases community awareness and pride in the quality of services the hospital provides. We hope you will appreciate the opportunity to support the Foundation's mission to provide continuing financial support and improve the health status of the Eastern Band of Cherokee Indians.



# Save the Date!

## 29th Annual Conference & Trade Show

March 18 -21, 2019  
Charleston, SC

[www.cra-recycle.org/2019conf](http://www.cra-recycle.org/2019conf)

**IMPACT.**



Leading the way to a more sustainable future.


[bmwusfactory.com](http://bmwusfactory.com)

**BMW GROUP** THE NEXT 100 YEARS 

Plant Spartanburg

**nexeo**<sup>®</sup>  
solutions

We simplify **your environmental responsibilities**



Nexeo Solutions has been connecting customers with the best solutions in on-site services for more than 15 years, helping them reach their environmental objectives at every stage.

We're able to provide comprehensive assessments, program implementations, safety and compliance, KPI development and continuous improvement processes together for waste programs, including:

- Complete waste disposal
- Recycling
- Beneficial reuse
- Zero-landfill

Trust Nexeo Solutions to help you focus on your core business and reduce your environmental impact.

**Contact us to learn how we can solve your environmental challenges.**

800.531.7106 | [nexeosolutions.com](http://nexeosolutions.com)

# Exhibitors

**Accent Wire-Tie** ..... 14

**Michael Word**

mword@accentwire.com • 866-298-2361

Strong people. Strong Products. Strong ties.

Strong ties are not built overnight. At Accent Wire-Tie, we realize that "people ties" are the most important ones we build. After three decades, we have earned our position as the worldwide provider of baling wire and wire-tie technology. At all levels of our company and with every transaction, we are.

**American Greenz** ..... 46

**Max Patel**

info@americangreenz.com • 919-889-8998

American Greenz Inc. is an electronics recycling and IT asset management company. We are headquartered in Durham, NC with multiple service locations across the state and partner networks across East Coast. American Greenz provides responsible recycling solutions of electronics and IT Asset Management for residents, businesses, and government agencies.

**American Public Works Association (NC)** ..... 11

**Chip Vanderzee**

chip.vanderzee@highpointnc.gov • 336-883-3594

The APWA NC Chapter is all about educational and networking opportunities for its members. The Chapter has seven divisions that

provide training specific to an individual's particular interests and needs. They also provide the opportunity to meet peers from other municipalities in a particular discipline.

**Amick Equipment Co., Inc.** ..... 15

**Ryan Amick**

ryan@amickequipment.com • 800-922-3795

Amick Equipment supplies the Carolinas with refuse and recycling collection equipment, bulk waste grapples and street sweepers. We are the exclusive Carolinas dealer for Toter Roll Carts, New Way Trucks, Loadmaster, Petersen Grapple Loaders and TYMCO Sweepers. We have service locations with mobile service trucks to keep your trucks running.

**Bakers Waste Equipment, Inc (BWE)** ..... 61

**Chris Burns**

cburns@bwe-nc.com • 800-221-4153

Bakers Waste Equipment / Pinnacle Compactors manufactures steel containers and compactors built with intention and integrity. In business since 1981, BWE and Pinnacle has the experience and expertise to provide you with the right product and the right price. As an established company in the heart of the Carolina's, we look forward to assisting you.




**GET THE MOST OUT OF YOUR EQUIPMENT**

with support from Carolina Cat. You can increase your uptime and boost productivity. We put our experts to work for you, offering experience and how-to information that will help keep you up and running. **Contact us today for all your equipment needs!**

**704.309.3515**






**COASTAL**

**WIRE COMPANY**

Quality... our reputation is tied to it



Coastal Wire Company is the premier Manufacturer of black annealed and galvanized wire products to the recycling industry. Coastal Wire is your sole sourcing option for the highest quality wire, parts and service for bale tiers across the nation, with manufacturing plants on the East and West Coasts for all your shipping needs.

For more information visit:  
<http://www.coastalwire.com>

427 Gapway Road Georgetown, SC.29440	1108 Gila Bend Hwy Casa Grande, AZ. 85122
---	--



**Battery Recycling Made Easy, LLC** ..... 31

**Tammy Austin**

tammy@brmellc.com • 678-721-0022

The "end of life" for batteries.

**Becker Complete Compactor** ..... 58

**Keith Becker**

keith@beckercomplete.com • 803-755-0075

Becker Complete Compactor offers sales and service of compactors, balers and recycling equipment. A Marathon distributor for 13 years, we offer new equipment and refurbished equipment with a 6 month warranty. Factory trained technicians, a NJPA contract, in stock parts and baling wire at low prices make BCC the right choice for all your needs.

**BMW** ..... 23

**Wes Westbrooks**

wes.westbrooks@bmwmc.com • 864-989-5772

Celebrating 25 years in SC in 2017, BMW has been landfill free since 2012. The Waste Logistics department has grown from 20 associates in 2003 to 84 associates in 2017, showing a true commitment to sustainability for the long-haul. Just to name a few items, on average BMW recycles over 600 tons of cardboard a month, over 400 tons of wood per month and over 400 tons of metal per month.

**CarolinaCAT** ..... 25

**Brian Hoffman**

bhoffman@carolinacat.com • 704-607-4542

Carolina CAT is committed to the needs of its customers by providing superior parts, service, and sales of construction equipment, power generation, and on-highway trucks with options for new, used, and rental agreements. As part of the elite Caterpillar dealer network, we proudly operate from 11 locations serving Western North Carolina.

**Cavert Wire Co.** ..... 85

**Chris Kearns**

ckearns@cavertwire.com • 336-969-2601

Cavert Wire Company is the first name in baling wire since 1910. Our commitment to the highest manufacturing standards, together with our competitive pricing, have made us the largest producer of black annealed wire in the United States. Cavert Wire manufactures a variety of baling wire products including single loop bale ties, auto-ty boxes and manufactures a variety of baling wire to meet your needs.

**CBI & Ecotec** ..... 75

**Travis Lint**

Travis.Lint@terex.com • 603-382-0556

CBI manufactures and distributes a complete line of portable and stationary grinders, shredders, chippers, flail debarkers and attachments for composting, forestry, biomass recovery and wood-waste processing.

Terex Ecotec is an industry leader in the design and manufacturing of wood processing, biomass and recycling equipment. Visit [www.terex.com/ecotec](http://www.terex.com/ecotec) for the full product portfolio.

**SALE** **RENT**

*Company Wrench*  
Sales • Parts • Service • Rentals

**RECYCLING EQUIPMENT**  
with Top Level On-Site Service

**Columbia, SC**  
141 Brickyard Rd  
Lexington, SC 29072

**Raleigh, NC**  
125 Wilsons Mills Rd, Ext  
Smithfield, NC 27577

**Charlotte, NC**  
11301 Reames Rd  
Charlotte, NC 28269

**1-855-KOBELCO**  
COMPANYWRENCH.COM

**Need Help  
Becoming More Sustainable?**

Reducing, reusing, recycling and then recovering Energy-from-Waste can help reduce the 250 million tons of waste annually piling up in landfills.

Covanta Environmental Solutions provides complete environmentally-sustainable solutions including:

- Zero Waste-to-Landfill
- Assured Destruction
- Waste Minimization

**Visit Us at Booth #67**

Call 844-COVANTA  
[covantaes.com](http://covantaes.com)

**COVANTA**  
Environmental Solutions

**Cleanlites Recycling South** ..... 63

**Tom Kimmel**

cleanlites@cleanlites.com • 864-579-4800

Cleanlites Recycling, a leader in sustainable universal waste and electronics recycling, is family owned and operated with facilities in SC, MI, MN, and OH. We recycle lamps, electronics, ballasts, batteries, and airbags, along with operating LampMaster Recycling supplying pre-paid recycling kits for lamps, batteries, lighting ballast and e-waste.

**ClearStream Recycling, Inc.** ..... 8

**Jesse Klaue**

accounting@clearstreamrecycling.com

The ClearStream system educates visitors with clear bags, restricted openings and bold signage. Clear recycling bins display what's in the bin so visitors can recycle with confidence in public. Clear bins also permit visitors and security personnel to "See Something, Say Something".

**Coastal Wire Company** ..... 35

**Noel DesMarteau**

noel.desmarteau@coastalwire.com • 843-359-4992

Coastal Wire Company is the premier provider of wire products to the recycling and galvanizing industries, and continues to innovate in the manufacture of fully-annealed, high-strength baling, tying and specialty wire products.

**Collegiate Recyclers Coalition** ..... 79

**Amy Preble**

apreble@fac.unc.edu • 919-962-5169

CRC's mission is to promote sustainable resource use through waste reduction, reuse, and recycling on college campuses and to facilitate networking, exchange of information and strategic action. The CRC was founded in 1990 by a group of concerned collegiate recycling coordinators with the goal of sharing information to develop more comprehensive and supportive RRR programs across NC and SC.

**Colt Recycling** ..... 77

**Robert Layman**

rlayman@coltrecycling.com • 603-660-9765

Colt Recycling, the e-scrap division of Colt Refining, is the largest processor of scrap electronics on the east coast. Colt offers professional, domestic processing solutions to the Fortune 500, Telecom and OEM markets utilizing custom designed shred/separation/destruction system. Colt also specializes in outright purchase of precious metal bearing materials and commodities.

**Company Wrench** ..... 29

**Bill Abraham**

b.abraham@companywrench.com • 404-858-9882

Company Wrench, an Ohio-based company, focuses on the manufacturing, sales, rentals, parts and service of scrap, demolition, and construction equipment. CW operates major markets in 9 locations across the US including OH, TN, NC, SC, FL, and NJ. Each branch offers CW's cutting edge customer service with fully staffed service and parts departments. Visit companywrench.com for more info.



**Industrial Recycling and Waste Stream Management**

Your recycling and waste streams need attention?

Time or resource limited?

Consider a free audit from InStream

Receive our  
Maximized Recovery Analysis



[www.instreamenvironmental.com](http://www.instreamenvironmental.com)  
866.936.4942



MACH Ballistic Separator | MACH Hyspec® Optical Sorter



**Sorting Technologies Expert**

- ▶ Dependable Systems
- ▶ Reliable Equipment
- ▶ Responsive Team

**Get the very best solution!**

Machinex listens to your needs and respects your budget while combining the needs of today with the visions of tomorrow.



1 877 362 3281 | [machinextechnologies.com](http://machinextechnologies.com) USA | CAN | UK

**Covanta** ..... 67

**Jessica Dowell**

jdowell@covanta.com • 862-345-5476

Covanta Environmental Solutions offers comprehensive industrial material management services and consultative expertise to companies seeking solutions to some of today's most complex environmental challenges. With a nationwide network of treatment, recycling and energy-from-waste facilities, Covanta enables customers to mitigate risk and reach their sustainability goals.

**Cox Recovery** ..... 17

**Chad Russell**

crussell@coxwood.com • 864-516-4852

From poles to pallets, Cox Recovery provides customers all across the nation with environmentally friendly, turnkey solutions for all forms of wood waste recycling. We help you identify the best solution based on the realities of cost, commitment to sustainability, legal compliance and any logistical restrictions or opportunities available to you.

**CP Group** ..... 30

**Josh Wagner**

Joshw@cpmfg.com • 619-931-8227

CP Group is a team of manufacturers and thought leaders in the waste and recycling industry. CP Group—comprised of CP Manufacturing, Krause Manufacturing, MSS, Inc., and Advanced MRF—provides award-winning recycling system design, manufacturing, retrofits, audits, and consulting. CP Group provides turn-key solutions for mixed waste, residential recycling, commercial and industrial, construction and demolition, and electronic waste applications.

**Demand Products, Inc.** ..... 26

**Ryan Norstadt**

ryan@demandproducts.com • 800-325-7540

Demand Products, Inc offers recycling solutions for foam. Stop by our booth and find out how you can turn your foam trash into cash. We also offer foam cutting solutions. [www.demandproducts.com](http://www.demandproducts.com)

**DEQ Technical Sales, LLC** ..... 83

**Ray McPhillips**

sales@deqtech.com • 865-947-5123

DEQ Technical Sales, LLC is your value added supplier of radiation detection equipment. As a manufacturer's representative, we work with some of the world's premier radiation detection equipment companies. Our technical staff is one of the most experienced in the industry in radiation safety and health physics instrumentation.

**Dynamic Recycling** ..... 1

**Matthew Shore**

MShore@dynamicrecycling.com • 608-386-2433

Dynamic Recycling is a full-service electronics recycling, scrap purchasing, IT asset disposition, data security, and for-hire logistics corporation, building authentic relationships with clients based on integrity, service, quality, consistency, and maximizing value recovery. The company has locations in Onalaska, Wis. and Nashville, Tenn.

**Recycling Solutions for the Future...**

**Design**  
Designed to meet your sorting needs.

**Build**  
Proudly built in the Carolinas.

**Install**  
Locally supported every step of the way.



**Expandable**  
Upgrade as your business grows.

**Local**  
Designed, built & supported in the U.S.A.




**MetalTech Systems**  
Phone: (843) 237-5163  
Fax: (843) 237-5164  
sales@metaltchsystems.com  
www.metaltchsystems.com

Carolina Recycling Association



**TAKING CARE OF THE ENVIRONMENT IS OUR BUSINESS**



**NORTH CAROLINA'S LARGEST RECYCLER**

# Proud Sponsors of the Carolina Recycling Association Since 1997



**NORTH CAROLINA  
BEVERAGE  
ASSOCIATION**



**SOUTH CAROLINA  
BEVERAGE ASSOCIATION**

## **Eagle Environmental Services** ..... 7

**Sal Ingaro**

sal.ingaro@eesllc.biz • 803-596-2515

Eagle Environmental Services provides fully integrated solutions for management of clients' industrial byproducts. Our expertise includes; source reduction and reuse, recycling and composting, energy recovery through combustion, transportation and treatment. Eagle also offers asset-based solutions to meet clients' materials handling, processing, and shipping needs. Whether byproducts require bulking, dewatering, solidification, shredding or other preprocessing, Eagle can engineer a solution.

## **ECOFLO, Inc.** ..... 87

**Stuart Stapleton**

Sstapleton@ecoflo.com • 336-617-2724

ECOFLO is a VOSB founded in 1982 operating a RCRA Part-B TSDF in Greensboro, NC. ECOFLO offers Lab Pack, Bulk and Containerized Waste Disposal services, HHW services and Industrial Services. The Greensboro TSDF supports a 10 Day Storage Facility in York, PA and a 10 Day Storage and Non-Hazardous Treatment Facility in Americus, GA.

## **Ecoverse** ..... 5

**Nick Furey**

nick@ecoverse.net • 440-937-3225

The Ecoverse story began in 2001 with the introduction of the Doppstadt line, sold through DoppstadtUS, and has since grown to incorporate BACKHUS, Backers, Tiger, EnvEco, and Harvest Quest. Headquartered in Avon, Ohio, Ecoverse delivers a full line of environmental processing equipment.

## **Glasdon, Inc.** ..... 72

**JD Villegas**

jd.villegas@glasdon.com • 804-253-3042

Glasdon design, manufacture and sell a wide range of recycling containers. The containers can be adapted by using different size/color graphics and aperture panels to suit whatever waste stream is required at your location.

## **Green Zone Recycling** ..... 56

**Liz Ward**

LizWard@greenzonenc.com • 919-703-9775

Green Zone Recycling helps communities divert reusable items from the waste stream. Deposits in our drop stations reduce landfill waste and encourages reuse as well as recycled product development. Hosting a drop station is FREE and can even generate revenue for your business or community! Our 1,000+ convenient locations along the east coast make it easy to keep reusable products out of landfills.

## **Healthcare Diversion Council** ..... 10

**Jennifer Sellers**

jennifer.sellers@carolinashealthcare.org • 704-667-9311

The Healthcare Diversion Council is working to support sustainable practices within the healthcare industry in the Carolinas by providing a collaborative networking opportunity. They seek to promote a sustainable stewardship of resources by exploring strategies to reduce waste, exchanging and networking information, building case studies from successful solutions and innovations, educating peers, partners and leaders on healthcare sustainability, and building local recycling markets.



# Customized RECYCLING SOLUTIONS



### SERVICES:

- CERTIFIED ELECTRONICS RECYCLING
- IT ASSET MANAGEMENT
- DATA DESTRUCTION. ON/OFF SITE
- DATA CENTER CLEAN OUTS
- FULL SERVICE PICK-UPS
- CELL PHONE RECYCLING
- WAREHOUSE SOLUTIONS

### INDUSTRIES SERVED:

- GOVERNMENT
- FINANCE
- EDUCATION
- HEALTHCARE
- DATA CENTERS
- MANUFACTURERS
- RETAIL & MORE

**RECOGNIZING A NEED FOR HIGH LEVELS OF CUSTOMER SERVICE IN THE EWASTE INDUSTRY,** PHR has developed a customer first, high level of service brand. Prompt and dependable logistics, attainable account representatives, and both timely and accurate reporting have created longevity in all PHR business relationships.

Contact PHR to generate a customized recycling solution for your business today!  
**1-855-MYECYCLE (693-2925)**



Corporate Offices/Main Recycling Plant  
Salisbury, NC

[info@powerhouserecycling.com](mailto:info@powerhouserecycling.com)  
**1-855-693-2925**

[WWW.POWERHOUSERECYCLING.COM](http://WWW.POWERHOUSERECYCLING.COM)

#### **Herbold USA..... 74** **Tim Angell**

[tim@herboldusa.com](mailto:tim@herboldusa.com) • 508-341-9816  
HERBOLD USA is a subsidiary of Herbold Meckesheim Germany, a manufacturer of size reduction, densification equipment and wash line systems for the plastics and post-consumer industry.

#### **Household Hazardous Waste Council..... 85** **Jeremy Maciejewski**

[jeremy.maciejewski@ncagr.gov](mailto:jeremy.maciejewski@ncagr.gov) • 919-219-8142  
The HHW council consists of environmental experts from both the public and private sector with over 50 years combined experience and participation in over 100 HHW programs. The HHW Council operates as an environmental education organization devoted to household hazardous waste reduction, reuse, recycling and pollution prevention. We are available to assist you in starting or improving your collection event.

#### **IPL Inc. .... 13** **Jack Lutes**

[Jack.Lutes@ipl-plastics.com](mailto:Jack.Lutes@ipl-plastics.com) • 418-789-2880  
IPL offers a comprehensive range of injection-molded containers built to resist the worst weather conditions. IPL carts are manufactured and tested to meet all American National Standards Institute (ANSI) requirements, ensuring years of dependable service and peace of mind for all our customers.

#### **Keep Carolinas Beautiful ..... 66** **Brenda Ewadinger**

[bewadinger@atmc.com](mailto:bewadinger@atmc.com) • 910-575-7005  
The NC and SC chapters of KAB are working to Keep Carolina Beautiful. KNCB is primarily a grassroots organization assisting communities with active beautification, anti-litter and recycling programs that save tax dollars for services provided by volunteers. KNCB develops partnerships that engage and empower organizations and individuals to keep NC Beautiful. KNCB was established in 1985 and certified as State Affiliate of Keep America Beautiful in 1990. Keep South Carolina Beautiful is the state affiliate of Keep America Beautiful. They assist local affiliates with education, training, program development, board development. Keep America Beautiful affiliates in South Carolina are key partners of PalmettoPride helping expand their programs and volunteer-base across the state.

#### **KilnDirect Inc. .... 55** **Bill Phillips**

[bphillips@sumtertransport.com](mailto:bphillips@sumtertransport.com) • 704-301-2149  
KilnDirect is a MRF that shreds and blends both liquid and solid non-hazardous, industrial streams; off-spec products, by-products, waste streams to form a solid, on-spec blended alternative high BTU fuel source. The MRF recovers various non-hazardous materials/ recyclables that would otherwise be land filled as non-hazardous solid wastes. These materials, promote industrial waste minimization at the manufacturing source.

**Komptech Americas** ..... 32

**Ralph Cotterman**

info@komptechamericas.com • 720-890-9090

Komptech is a leading supplier of machinery and systems for the treatment of organics, solid waste and biomass as a renewable energy source. Our product range includes over 30 different types of machines that cover all key processes in modern waste handling.

**Liberty Tire Recycling** ..... 16

**Rick Payne**

rpayne@libertytire.com • 704.791.5567

Liberty Tire Recycling is the premier provider of tire recycling services in the United States. By reclaiming more than 33 percent of the nation's discarded tires, Liberty Tire annually transforms more than 140 million tires into raw materials for smart, sustainable products that improve people's lives. Visit us at [www.libertytire.com](http://www.libertytire.com).

**Lighting Resources** ..... 69

**Steve Barnett**

steve.barnett@lightingresourcesinc.com • 423-328-7012

Lighting Resources LLC is a permitted processor for Universal Waste light bulbs, batteries, E-waste, automotive airbags /seatbelts and more.

**Machinex Technologies** ..... 50

**Rusty Angel**

rangel@machinextechnologies.com • 336-665-2773

Machinex offers complete engineering design, manufacturing, and installation of Material Recovery Facilities. As a leader in sorting technologies, Machinex provides turnkey projects for the recycling industry such as Single-Stream, Construction and Demolition,

Commercial and Industrial Waste, Municipal Solid Waste, and front-end processing for Waste-to-Energy plants. The company also offers a full range of high quality recycling equipment.

**Maren Engineering** ..... 18

**Roger Williams**

rwilliams@marenengineering.com • 312-848-9255

Manufacturers of Balers and Shredders, 2 RAM, Horizontal Auto Tie and Closed Door Balers for the Recycling Industry and Pre-Consumer

**McGill Environmental Systems of NC, Inc.** ..... 47

**Sean Fallon**

sfallon@mcgillcompost.com • 910-465-1582

For more than 25 years, McGill Environmental Systems has specialized in manufacturing premium compost products through the processing and recycling of non-hazardous, biodegradable by-products and residuals from municipal, industrial and agribusiness sources. They also design, build, and operate state-of-the-art indoor facilities.

**MetalTech Systems** ..... 28

**Paul Hanna**

paulhanna@metaltchsystems.com • 843-237-5163

MetalTech Systems is a designer, manufacturer and installer of complete solid waste recovery systems. In partnership with General Kinematics for screening, Hartner GmbH for Ballistic Separators and Pellenc Selective Technologies for optical sorting, we offer complete systems including a basic single pick line to completely automated sorting systems including material sizing, optical and magnetic sorting, materials identification and automated material handling for C&D, Single Stream, Multi Stream and RDF.

**Built to stand up to your most challenging applications.**

Booth #60

REI-7R RENEGADE

Shredders • Roll Shears • Balers  
System Design, Service and Installation

**It's What We Do. It's Who We Are.**

**REI** Recycling Equipment Inc  
NORTH CAROLINA • TEXAS

All your recycling and waste needs, handled by one provider.

Every step (and pickup) of the way.

Get Started at [RepublicServices.com](http://RepublicServices.com)



We'll handle it from here.™

<b>MXI</b> .....	<b>81</b>
<b>Scott Shaw</b>	
scott@mxiinc.com • 276-628-6636	
MXI Environmental Services LLC has been providing top tier environmental services for over 20 years. We specialize in cost effective household hazardous waste management programs that utilize industry leading recycling and transportation through our network of service centers.	
<b>Natur-Bag</b> .....	<b>37</b>
<b>Rick Lombardo</b>	
rlombardo@ntic.com • 763-225-6652	
Natur-Bag compostable liners are used for the collection of food scraps and other organic waste in home, community, and industrial composting programs. Natur-Bag liners are engineered to have superior strength and to breathe naturally, dissipating moisture to help control odors while keeping collection bins clean.	
<b>NC DEACS</b> .....	<b>20</b>
<b>Tom Rhodes</b>	
tom.rhodes@ncdenr.gov • 919-707-8140	
The NC Division of Environmental Assistance and Customer Service provides technical and financial assistance to improve community recycling programs, expand recycling businesses, and increase the recovery of discarded materials.	
<b>NC SWANA</b> .....	<b>12</b>
<b>Michael Brinckek</b>	
mike@smithgardnerinc.com • 919-828-0577 x128	
SWANA (Solid Waste Association of North America) is a non-profit, educational organization serving individuals and communities responsible for the management and operation of municipal solid waste management systems. The NC Chapter of SWANA was formed in 1987 and is committed to advancing the practice of environmentally- and economically-sound management of municipal solid waste in NC.	
<b>Nexeo Solutions</b> .....	<b>24</b>
<b>Phil McCall</b>	
pemccall@nexeosolutions.com • 803-309-7193	
Nexeo Solutions is a leading global chemicals and plastics distributor, representing products from world-class producers to a diverse customer base. From product specification to sustainable solutions, we go beyond traditional logistics to provide value-added services across many industries, including chemicals manufacturing, oil and gas, coatings, personal care, healthcare, automotive and 3D printing.	
<b>North Carolina Sheriff's Association</b> .....	<b>64</b>
<b>Jason Bennett</b>	
jbennett@ncsheriffs.net • 919-459-8195	
The North Carolina Sheriffs' Association provides county and city government agencies a statewide Cooperative Purchasing Program. You may find over 1,600 different heavy equipment items (including recycling, refuse equipment, and more), over 500 different vehicle specifications, tires, vehicle equipment and more.	
<b>Nova Products (Peninsula Plastics Ltd)</b> .....	<b>38</b>
<b>Ashley Clark</b>	
ashley@penplast.com • 905-871-4766	
Nova Products has a distinct product line for recycling at home, at work or at school. Whether you are implementing a curbside recycling program, trying to increase recycling at offices and businesses or increasing recycling and composting at schools, Nova has a container that works.	

<b>Pinnacle Environmental Services</b> .....	<b>78</b>
<b>Lynn Watson</b>	
lynn@pinnacleenv.com • 864-915-7663	
Pinnacle Environmental Services specializes in the transportation and disposal of nonhazardous, hazardous and universal wastes for our clients. Our team emphasizes waste minimization, sustainability and zero landfill. Pinnacle strives to exceed expectations through our comprehensive environmentally-friendly and innovative solutions to current waste management challenges.	
<b>PowerHouse Recycling</b> .....	<b>48</b>
<b>Brett Henderson</b>	
bh@powerhouserecycling.com • 704-322-3093	
PowerHouse Recycling is a certified electronics recycling, IT Asset Management, and Data Destruction company headquartered in Salisbury, NC. PHR holds the e-Stewards, Responsible Recycling (R2), ISO 14001, and OHSAS 18001 certifications along with N.A.I.D and WBENC Memberships.	
<b>Pratt Recycling</b> .....	<b>41</b>
<b>Mandy Barnett</b>	
mbarnett@prattindustries.com • 864-423-5144	
Pratt Recycling is a subsidiary of Pratt Industries, the 5th largest corrugated packaging company in the USA and the world's largest, privately-held 100% recycled paper and packaging company. Pratt Recycling is a full service recycler with a mission to create sustainable recycling solutions for their customers that maximize recycling, create cost savings and a revenue stream for valuable recyclables while minimizing the environmental impact by preserving natural resources.	
<b>ReCollect Systems</b> .....	<b>57</b>
<b>Jenny English</b>	
jenny.english@recollect.net • 778-678-0254	
Calling all recycling communicators! ReCollect provides calendars, reminders, and notifications to residents about recycling and waste collections and events. Boost recycling rates, learn the details about where residents go wrong, and provide the best-in-class recycling communications.	
<b>Recycling Equipment Inc.</b> .....	<b>60</b>
<b>Joey Walls</b>	
joey@gogreenrei.com • 704-400-1111	
REI manufactures, sells, installs and services balers, shredders, roll shears, conveyors, wire processing equipment, electronic scrap equipment, tippers and sort systems. REI strives to produce equipment that creates a measurable difference in economics and energy consumption while continuing to offer superior performance, durability and safety.	
<b>Rehrig Pacific Company</b> .....	<b>19</b>
<b>Cassidy Brauns</b>	
cbrauns@rehrig.com • 828-455-6537	
Rehrig Pacific Company is a 105-year-old family-owned company that designs and manufactures environmental products including residential carts, plastic front-load containers and services to maximize your revenue potential, reduce operating expensive and create more efficient operations.	
<b>Republic Services</b> .....	<b>36</b>
<b>Malinda Barkley</b>	
MBarkley@republicservices.com • 803-818-3903	
At Republic Services, our most important relationships are the ones we have with our customers. We continually strive to make your recycling and waste effortless. Our exceptional employees are here for you: to listen, to provide outstanding service, and to help you help the environment.	

**SC Department of Commerce** ..... 70

**Chantal Fryer**

[cfryer@sccommerce.com](mailto:cfryer@sccommerce.com) • 803-737-0477

The S.C. Department of Commerce Recycling Market Development Program helps start-up recycling businesses, promotes market development for recycled materials, assists existing companies with expansion efforts, business development, marketing, finance and regulatory affairs.

**Schaefer Systems International, Inc.** ..... 65

**Larry Wiegman**

[larry.wiegman@ssi-schaefer.us](mailto:larry.wiegman@ssi-schaefer.us) • 704-944-4503

At SSI SCHAEFER, we provide waste technology turnkey solutions. Supported by WISTAR®, our RFID enabled carts provide real-time managed assembly and distribution, GPS location, revenue audits, online reports, inventory management and onsite container management. All phases of production are monitored 24/7 guaranteeing consistent quality every time in our ISO-9001 certified operations.

**Sierra International Machinery** ..... 68

**Jessica Driggers**

[JDriggers@sierraintl.com](mailto:JDriggers@sierraintl.com) • 336-579-4507

Sierra is a worldwide leader in the sale and support of processing equipment to the scrap and recycling industries. We offer a full range of high quality equipment to meet the demands of today's processing facilities. Our equipment is built to last and backed by the best support and service in the industry. Please check out our website: [www.sierraintl.com](http://www.sierraintl.com)

**Smith + Gardner Inc** ..... 3

**Debbie Langley**

[debbie@smithgardnerinc.com](mailto:debbie@smithgardnerinc.com) • 919-828-0577

The waste industry continually improves its approach to resource management. What previously were considered wastes are now the valued resources of tomorrow. Smith + Gardner is committed to this initiative and to providing responsible consulting engineering to the public and private sector. See more at [www.smithgardnerinc.com](http://www.smithgardnerinc.com)

**Sonoco Recycling, LLC** ..... 51

**Harris DeLoach**

[he.deloachiii@sonoco.com](mailto:he.deloachiii@sonoco.com) • 843-339-6362

Sonoco Recycling offers comprehensive recycling solutions tailored to meet your unique sustainable needs, regardless of scale or complexity. Our experience in recycling and waste diversion dates back nearly a century. Today, we operate 49 recycling facilities throughout the world, providing customized services and innovative sustainability solutions to more than 15,000 commercial, industrial, municipal and government entities.

**Southeast Recycling Development Council** ..... 84

**Will Sagar**

[will.sagar@serdc.org](mailto:will.sagar@serdc.org) • 828-507-0123

SERDC works to unite industry, government, and non-government organizations to promote sustainable recycling in the SE through strong public-private partnerships, education, and by producing supportive tools. Members include a diverse array of industry and municipal representatives committed to improving material capture in both quantity and quality which will lead to a strengthening of local economies through recycling.

**Southeastern Agency Group Inc.** ..... 76

**Brice Crigler**

[bcrigler@sagnc.com](mailto:bcrigler@sagnc.com) • 336-218-7470

We provide competitive, comprehensive insurance coverage to the waste and recycling industry through our Sustainable Waste Program. We work with municipalities, waste collection, transfer

# SUSTAINABLE WASTE PROGRAM



Comprehensive Insurance for the Waste & Recycling Industries.

Contact us today **800.432.4863**

**SAGNC.com**



operations, MRFs, scrap metal dealers, recycling operations and collection, portable restroom rental and service, cesspool and septic tank cleaning and service, C&D recycling and landfill operations, document shredders and much more.

**Synergy Electronics Recycling (SER)** ..... 4

**Megan Benham-Tabb**

[mtabb@synergyrecycling.com](mailto:mtabb@synergyrecycling.com) • 765-438-1297

Synergy Electronics Recycling is an electronics recycling firm located in Madison, NC. We have developed the finest system in the industry for shredding and mechanically separating used electronic equipment. Our other services include asset recovery, certified data destruction, and transportation.

**The Piedmont Group, Inc** ..... 22

**Ashley Reid**

[cyclesorbraid@gmail.com](mailto:cyclesorbraid@gmail.com) • 800-313-3210

Waste minimization by cleaning and reusing absorbents and wiping cloths.

**Turtle Old Man** ..... 101

**Jim Rice**

[turtleoldman@gmail.com](mailto:turtleoldman@gmail.com) • 828 773 0818

Turtle Old Man Jewelry is handcrafted by Jim and Cindy Rice and their son Eric. We each excel at different types of jewelry, yet our work harmonizes. We each enjoy working with different materials. Our goal is to provide an overwhelming selection of beautiful and unique jewelry at a reasonable price.

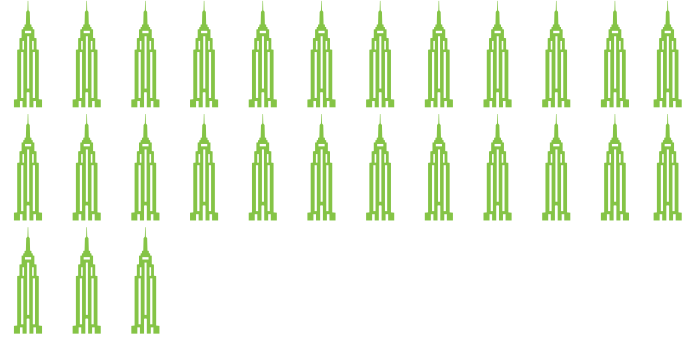




Waste Management recycles enough materials in one year to fill the Empire State Building more than 27 times.

Find out how you can recycle at home and work.

Visit [www.thinkgreen.com](http://www.thinkgreen.com).



1 building = 474,265 tons of material

**With your help, we aim to nearly double that number by 2020.**

As North America's largest residential recycler, Waste Management managed more than 14.72 million tons of material that was recycled or reused in 2016. That's including organic materials that we're now recycling more of than ever before. These are the types of resources that make us a sustainability solutions partner you can rely on.

For more information call (888) 964-9730



**THINK GREEN®**

© 2018 WM Intellectual Property Holdings, LLC

**Universal Environmental Systems..... 52**  
**Bill Laursen**

[blaursen@universalenviron.com](mailto:blaursen@universalenviron.com) • 803-979-1212

Universal Environmental Services provides used oil, oil filter and antifreeze collection. We also provide Vac truck services.

**VLS Recovery Services, LLC ..... 33**  
**Phillip McAbee**

[phillip.mcabee@vlsrs.com](mailto:phillip.mcabee@vlsrs.com) • 864-962-9953

VLS Recovery operates one of the US's leading full service non-regulated waste processing facilities. Services include Industrial recycling and beneficial re-use, full service waste water treatment, supplemental fuel management, landfill solidification/preprocessing. VLS's 30k sq.ft. Industrial Recycling Facility, a one-of-a-kind industrial waste processing center provides the industry's most affordable solution to zero landfill compliance.

**Waste Industries..... 27**  
**Norma Yanez**

[norma.yanez@wasteindustries.com](mailto:norma.yanez@wasteindustries.com) • 252-241-2056

Waste Industries, LLC is a regional, vertically integrated solid waste services company. We provide solid waste collection, transfer station, landfill/disposal and recycling services to commercial, industrial and residential customer locations in North Carolina, South Carolina, Virginia, Tennessee, Maryland, Kentucky, Delaware and Georgia.

**Waste Management Recycling ..... 45**  
**Amanda Fairley**

[afairley@wm.com](mailto:afairley@wm.com) • 910-445-1094

Waste Management is the leading provider of comprehensive

waste management services in N. America. Our subsidiaries provide collection, transfer, recycling, resource recovery, and disposal services. We are the largest residential recycler and a leading developer, operator and owner of waste-to-energy and landfill-gas-to-energy facilities in the US. More @ [wm.com](http://wm.com)

**Waste Pro USA, Inc. .... 2**  
**Brandi Hunter**

[bhunter@wasteprousa.com](mailto:bhunter@wasteprousa.com) • 407-869-8800

Waste Pro is one of the fastest growing, privately owned solid waste companies, serving 9 states and two million customers with commercial and residential solid waste and recycling collection, processing, and disposal services from more than 75 locations.

**Waste Processing Equipment Inc. .... 6**  
**Michael Smith**

[sam@maxpakbalers.com](mailto:sam@maxpakbalers.com) • 256-638-6355

Waste Processing Equipment, Inc., is the manufacturer of the Max-Pak Balers, Compactors and Conveyors. At Max-Pak we place a major emphasis on the quality, performance, safety, and efficiency of our waste and recycling equipment. Max-Pak since 1976.

**WEIMA America, Inc ..... 39**  
**Dale Walker**

[dale.walker@weimaamerica.com](mailto:dale.walker@weimaamerica.com) • 803-802-7170

WEIMA is a world leader in recycling technology. We specialize in the industrial shredding of plastics, wood, paper, carpet, textiles, and mixed manufacturing waste. The goal is simple: to save you money in haul-away costs and to keep scrap out of landfills.

Diamond



Titanium

**SONOCO**  
**RECYCLING** INC.

Platinum



by the generous support of our sponsors:

# Gold



BMW Manufacturing Co.

Carolina



COASTAL  
WIRE COMPANY  
*Quality... our reputation is tied to it®*



COVANTA  
Environmental  
Solutions

M  
MACHINEX

MetalTech Systems  
Engineering Solutions for the Future...

nexeo®  
solutions



powerhouse  
RECYCLING  
1-855-MYECYCLE



# Silver



S.H. CARTER  
DEVELOPMENT, INC  
GREENVILLE, SC

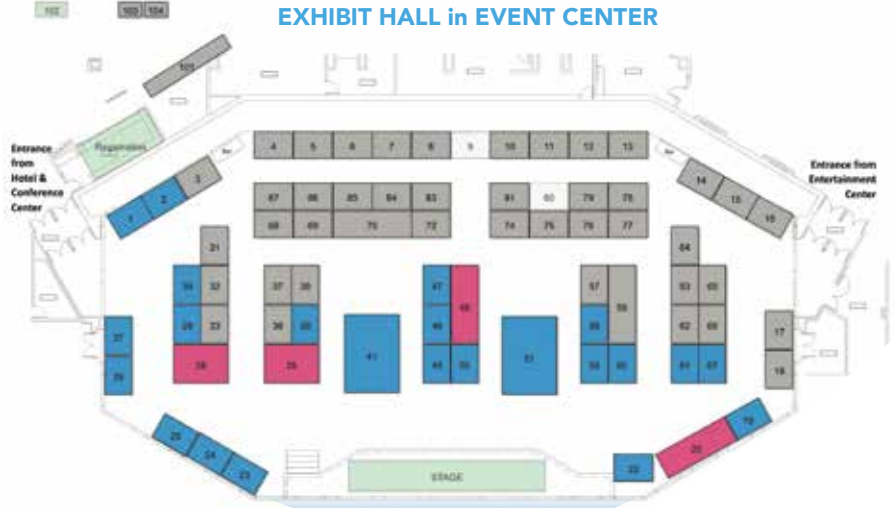


# Facilities Layout

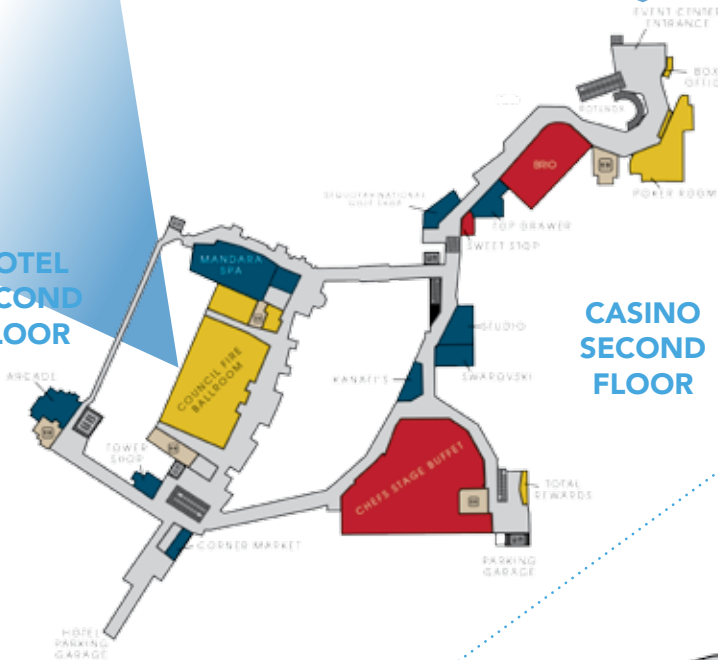
## CONFERENCE CENTER



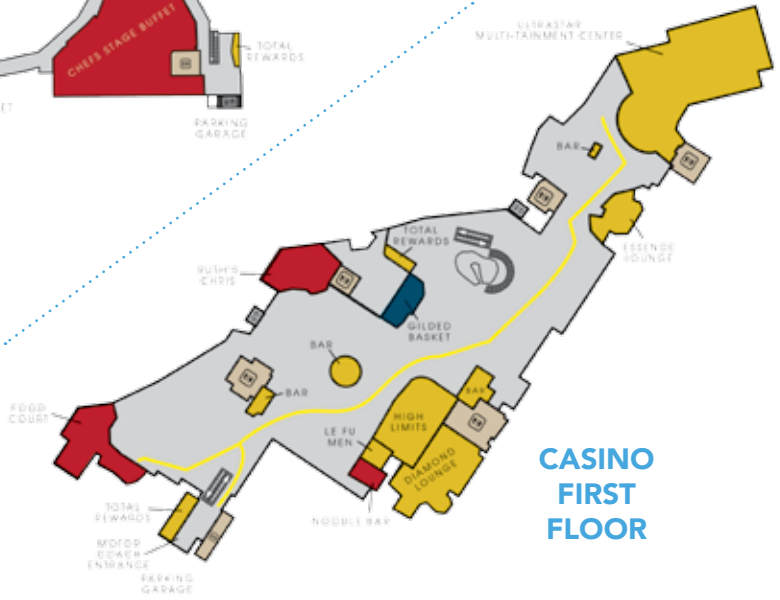
## EXHIBIT HALL in EVENT CENTER



## HOTEL SECOND FLOOR



## CASINO SECOND FLOOR



## HOTEL FIRST FLOOR



## CASINO FIRST FLOOR



Printed on recycled paper.