It’s summer time! Like me, I’m sure you’re juggling this busy business time of year with the need to give staff and ourselves much deserved time off.

In my last newsletter, I laid out my agenda and goals for my term as president. Here’s where we are:

**Goal:** Continue to make the CDRA a professional, well-run organization we can count on now and for many years to come.

**Progress:**
- We accepted a web-site redesign proposal slated for a September roll out; and
- We are finishing up our internal accounting audit.

**Goal:** Grow the association and creating more value for members.

**Progress:**
- We have added 7 new members since our last newsletter.

**Goal:** Develop our relationships with regulators and elected officials to ensure the long-term viability of our industry.

**Progress:**
- We are the first solid waste organization the new EPA administration has met with, and
- We’ve commented on regulatory issues of national significance and to jurisdictions across the nation.

In addition to the specific goals I outlined, I hope to bring you an informative, interactive, and worthwhile conference. We have set the dates and location for our C&D World conference – February 11-13 in Nashville, Tennessee. The conference committee is meeting regularly to provide you with a stellar conference and networking experience. Have ideas for topics you’d like to present or learn more about? Let CDRA staff know and we’ll do our best to accommodate.

Our dynamic board is engaged and very active. Our mid-year board meeting is on September 18 in Vancouver, British Columbia. All members are welcome to attend the meeting or join me as I host board members on my home turf.

We continue to work hard to make this organization the voice of our industry. If you need a voice, use ours. If you need information, let us know.

Thank you for being a part of this industry and for your continued support of our association. I value your input and look forward to hearing more about how the CDRA can better serve your business.

---

**Upcoming Events**

**Resource Recycling Conference**
August 28-30, 2017
Minneapolis, MN

**8th Asphalt Shingle Recycling Forum**
October 17-19, 2017
Cincinnati, OH

**C&D World 2018**
February 11-13, 2018
Nashville, TN

**World of Asphalt**
March 6-8, 2018
Houston, TX

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BRR thanks the members and staff of the CDRA for your continued support and advocacy.

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The CDRA offers valuable sponsor level membership opportunities to those who support the work of the association to promote and defend the environmentally sound recycling of Construction and Demolition (C&D) material through a diverse and unified voice of members committed to sustainability.

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Kurtz Brothers, Inc.
Independence, OH

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Waste Management
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Kathy Powles, President
Falcon Recycling
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Dick Reeves, Director-Resource Recovery
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Crystal Lake, IL

Bernard Styer, President
American Demolition Corporation
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Terri Ward, National Sales Manager
SSI Shredding Systems, Inc.
Wilsonville, OR

Randy Wolf, Director of Business Development
L & S Demolition Recycling
Conshohocken, PA

Details on how to become a sponsor level member on page 6.
NEW MEMBERS

Building Product Ecosystems LLC
Delegate: Amanda Kaminsky, Founder
amanda@buildingproductecosystems.org

Commonwealth Equipment Corp
Delegate: Lisa Daris, Admin
lisa.daris@commonwealthequipment.com

Covanta
Delegate: Mike Van Brunt, Director, Sustainability
mvanbrunt@covanta.com

Ecostrat Inc.
Delegate: Marcin Lewandowski, Director, Bioenergy Advisory Group
marcin@ecostrat.com

Hayward Transfer Station
Delegate: Todd Fitch, Owner
todd@haywardtransfer.com

Lee County Solid Waste
Delegate: Tim LaMontagne, Public Utilities, Manager
tlamontagne@leegov.com

Pelican Waste Services
Delegate: Chris Vasilou, Owner
chrisv@pelicanwastellc.com

Pro Disposal
Delegate: Andrew Alvarez, Operations Manager
andrew@prodisposalsc.com

Randazzo Enterprises
Delegate: Mark Randazzo, Vice President
mark@randazzoent.com

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PROFESSIONAL DEMOLITION SERVICES OFFERING A GREEN ADVANTAGE IN RECYCLING

Family owned and operated since 1952, Cherry specializes in the removal of all types of structures; from highways and bridges, industrial plants and commercial buildings to residences through demolition and other deconstruction techniques. Cherry is also one of largest recyclers in Texas and the Gulf Coast region with eleven Houston area recycling centers which produce more than three million tons of concrete and thousands of tons of asphalt on a yearly basis.
Executive Director's Message
by William Turley, Executive Director
Construction and Demolition Recycling Association (CDRA)

In my 24 years in the C&D recycling industry, there have been three instances where the U.S. Environmental Protection Agency’s actions would have severely damaged and reduced the industry:

1. In 1997, because of a fear of lead-based paint in demolition debris, the agency proposed to require all material generated at a demolition site be sent directly to a landfill, cutting out any chance the recycling center would have access to the debris;

2. Concern over the contaminants in coal ash, which is sometimes used as a replacement for cement in the creation of Portland cement concrete, the agency was getting pushed to, and was considering, requiring that all incoming loads of concrete to a recycling center be tested for coal ash. If the load tested positive, the concrete would have had to go to a hazardous waste landfill. It would have been difficult to make it cost effective to recycle concrete if each load had to be tested, then tarped until the test came back. With sometimes as many as 100 trucks coming in daily, the yards would have been filled in no time and keeping track of the different piles would have been a nightmare;

3. In response to a lost lawsuit on waste to energy, the EPA created the strict Non Hazardous Secondary Materials rule for wastes used as fuel. The original rule exempted several fuels, but not C&D biomass. This would have closed off almost all waste-to-energy facilities to C&D wood, and would have severely damaged the financial viability of many mixed C&D recycling facilities.

Followers of the CDRA know that the organization responded strongly in all those instances, and was able to provide information and research that persuaded EPA to follow the path that allowed the C&D recycling market to continue to prosper.

All this shows the potential heavy hand the federal EPA could have on the C&D recycling industry. This already is a heavily regulated industry, and after state environmental agencies, the U.S. EPA is a very powerful influence on C&D recycling.

This is why the CDRA has long monitored and work with EPA personnel on C&D issues. This is why we will be very active in the U.S. EPA’s Sustainable Materials Management For The Built Environment project that is starting up shortly.

EPA’s SMM programs are designed to:

- Decrease the disposal rate, which includes source reduction, reuse, recycling and prevention;
- Reduce the environmental impacts of materials across their life cycle;

Hence, this project is expected to help guide EPA policy toward the materials in the built environment, which affects every C&D recycler. From the start the CDRA has been a driver for the project, and, along with many other stakeholders that will come later, will develop the framework that will help the agency make informed decisions about the recycling and reuse of C&D materials.

The SMM project is an example of the important work the CDRA does for the C&D industry, promoting the viewpoint of C&D recyclers. It is something no individual company could do on its own.

CDRA Mission Statement
CDRA promotes and defends the environmentally sound recycling of Construction and Demolition (C&D) material through a diverse and unified voice of members committed to sustainability.
Free subscriptions to CDRA members

Subscribe to C&DR | www.cdrecycler.com

CDRA Sponsor Level Member Benefits

Contact the office to increase your support level at any time: 866-758-4721 / info@cdrecycling.org

2017 Sponsor Opportunities

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CD&DR World Annual Meeting

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One area the CDRA has continued to strengthen its efforts is in advocacy on behalf of the C&D recycling industry. Because this industry is heavily regulated, a lot of our focus has been on the regulatory side. Below is an update on the CDRA’s activities:

- **U.S. EPA** – One of the first Trump political appointees to EPA was Patrick Davis, Deputy Assistant Administrator for the Office of Land and Emergency Management. Solid waste is under his purview, and CDRA Vice President Terry Weaver (USA Gypsum) and Immediate Past President Kevin Herb (Broad Run Recycling), along with CDRA Executive Director, William Turley, visited with Davis and two top staffers: Barnes Johnson and Kathleen Sayler, Director and Assistant Director, respectively, of the Office of Resource Conservation and Recovery. The CDRA team explained the size and importance of the C&D industry, how construction and demolition materials make up the largest waste stream, but also how successful our industry has been in recycling that stream. CDRA also had a few requests of the new administrator, including maintaining current contaminant removal requirements so that these materials don’t contaminate our recycling efforts, and to continue the Sustainable Materials Management for the Built Environment program.

- **OSHA Employee Silica Exposure Rule** – Currently the litigation against the rule the CDRA is part of, in a coalition with 22 other construction associations, is at a standstill. The briefing in the litigation challenging OSHA’s respirable crystalline silica rule is complete. Oral argument on it has not yet been set and the three-judge panel that will hear the case has also not been named. In addition, the coalition has not yet received a response to the Petition we filed to re-open the rule and stay the compliance date. OSH had pushed back implementation of the rule from its mid June 2017 to September. However, we received a report from the coalition that two states (Virginia and Kentucky) are starting implementation of the rule on the original date in mid June. We immediately alerted all CDRA members in those states and gave them direction on how to respond. We are asking all CDRA members to be alert in case their state’s agency decides to move forward on the rule, and to let CDRA headquarters know if that happens.

- **Presenting to EPA Staff** – Executive Director William Turley has been invited to present to EPA staff members at their headquarters and all 10 EPA regions who are part of group studying materials in the built environment. He will discuss C&D markets and the issues facing the industry.

- **Illinois C&D Franchise Law** – The Illinois CDRA chapter was successful in getting a bill passed that stopped the spread of monopoly waste franchises that included C&D in them. Nine municipalities had already set up such anti-recycling mechanisms that ended up directing C&D straight to haulers’ transfer stations and landfills, instead of to local recyclers. The path the chapter took could be a template for recyclers in other states facing the same problem.

- **Biomass standard** – A draft National Wood Chip Heating Fuel Technical Quality Standard has been developed through a project coordinated by the Biomass Energy Resource Center, The Biomass Thermal Energy Council, The American Society of Agricultural and Biological Engineers (ASABE), and Innovative Natural Resource Solutions LLC. Funding has been provided by the USDA Forest Service.

   The standard is needed because all heating fuels used in this country, except wood chips, are governed by quality standards that ensure these fuels meet clearly defined parameters. This includes heating oil, propane, natural gas, coal, wood pellets etc. The CDRA is going to review the rule, and if any other parties are interested in commenting on the rule, contact William Turley at the CDRA headquarters for more information.

- **Quebec C&D Study** – The Quebec C&D recycling association has finished its study on alternative uses for C&D fines besides alternative daily cover (ADC). The study is in French, but one of the basic conclusions of the study is that shingles and drywall need to be kept out of the fines in order to find better end markets for them.

- **Massachusetts C&D Study** – The state’s Department of Environmental Protection did a comprehensive look at its C&D recycling industry. The report can be viewed at: [https://nerc.org/documents/Massachusetts%20C%20D%20Debris%20Market%20Study%20May%202017.pdf](https://nerc.org/documents/Massachusetts%20C%20D%20Debris%20Market%20Study%20May%202017.pdf)
Recycling Certification Institute Update

United States Conference of Mayors Adopts Resolutions at 85th Annual Meeting

by Stephen M Bantillo

The United States Conference of Mayors (USCM) adopted numerous resolutions at its 85th Annual Meeting in June. Among the resolutions were several related to energy, which happen to land right in the wheelhouse of C&D recyclers. Specifically, two of the resolutions have the headings: “Supporting Reauthorization/Full and Dedicated Funding of the Energy Efficiency and Conservation Block Grants”, and “100% Renewable Energy in American Cities.”

Through these resolutions the USCM acknowledges local government efforts to reduce GHG emissions and “…improve the environment through waste reduction and recycling programs”, and encourage technology for waste-to-energy (WTE). The Block Grant resolution expressly excludes incineration of municipal and medical waste from “renewable energy.” However, it states that priority should be given to lowest cost measures to meet a variety of energy needs including cogeneration, decentralized energy electricity generation, and the use of heat from industrial waste. (Paraphrased for brevity. The full resolutions can be found at this USCM webpage.)

The probable nexus between the resolutions regarding clean/renewable energy and C&D materials is Wood Derived Fuel (WDF) and WTE. CDRA recognizes these material management options as vitally important to C&D operators and is actively engaged with the USEPA on behalf of the industry. The Recycling Certification Institute (RCI) recognizes this as well. However, as the organization implementing the National Standard for certification of C&D facilities, by necessity we turn our attention to definitions and standards.

While it may seem obvious to many C&D facility operators what WDF is, it isn’t always obvious to everyone else, including the enforcement staff who may inspect your facility. How much non-wood material is acceptable in WDF and how should one classify and/or measure it? Has the WDF product been manufactured to a certain specification and what is that specification? A clear definition and standard for WDF will provide guidance on the manufacture of this product beyond simply stating that it is accepted at USEPA permitted boilers. And, of course, it is of great interest to RCI in determining how a facility characterizes its outgoing material to arrive at its recycling and recovery rates.

The recent USCM energy-related resolutions and the ongoing energy efforts of local governments will likely expand this dialogue. For now, WDF receives credit under LEED v4 and remains quite relevant for many local and state government programs. RCI will continue to monitor this issue and be involved in the dialogue to establish a standard for this essential element of the C&D recycling industry.

Sign up for RCI today!

Recycling Certification Institute Testimonial

“Our company, Construction and Demolition Recycling, Inc. became RCI-Certified in 2015. One of the benefits is that we are better able to prove diversion for our clients. We knew we were already doing a good job with our recycling processes, and RCI’s Certification has validated that. Our customers also benefit because many of our projects are LEED projects and we need to provide them with verified recycling rates. Another advantage of RCI-Certification is that it makes our clients projects eligible an extra LEED point. This additional no cost point for our customers increases our value to them and keeps us a step ahead of our competitors.”

- Richard Ludt
Director of Environmental Affairs
Construction and Demolition Recycling, Inc.

What Is Your C&D Facility's Recycling Rate?
The Recycling Certification Institute has launched its online version of the Certification of Recycling Rates (CORR) program. This program provides credible, ISO-level third-party certification of C&D facilities’ true recycling rates.

Can You Prove It?
CORR is the only program that provides a credible, third-party look at the true recycling rates. It is the only program recognized by USGBC for the new extra point under LEED for using a certified recycling facility.

Why Become Certified with RCI?
• Government agencies want accurate reporting of C&D recycling rates from facilities
• Many green building programs require recycling of C&D materials
• LEED specifies use of CORR to gain an extra point for your clients
• Verify your facility's performance and have your recycling rate published with RCI
• Give your facility a marketing edge over the non-certified facilities

CORR is administered by the Recycling Certification Institute. For more information, including scheduling a recycling rate certification or to register your facility with the Institute, go to www.recyclingcertification.org

Contact: Recycling Certification Institute
PO Box 160166
Sacramento, CA 95816
916.242.8287
email: info@recyclingcertification.org
website: www.recyclingcertification.org
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R = Recycler  V = Vendor  C = Consultant  G = Government

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R 5280 Waste Solutions
R Ace Intermountain Recycling Center
V Action Equipment Company, Inc.
R Agg Rok Materials Co.
R Aggregate Recycling Corp.
V Aggregates Equipment, Inc.
R Agretech Corp
R Allied Recycled Aggregates
R Alloco Recycling Ltd.
R Alves Inc
R Amador Valley Industries, LLC
R American Demolition Corporation
R American DND Inc
V Apollo General Insurance Agency, Inc.
R ASR Systems, LLC
V Assurance Agency
R Atlas Roll-Off Corp
R Atomic Recycling
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V Bandit Industries, Inc.
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R Bayshore Recycling
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V Bulk Handling Systems (BHS)
R Butler Paper Recycling
R C & D Recycling
R C & D Recycling, Inc.
R C & M Recycling, Inc.
R Casco Landfill
V CBI-Continental Biomass Industries, Inc., A Terex Brand
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V CDE Global
R Cedar Avenue Recycling And Transfer Station (carts)
R Central Recycling Services
R Champion City/Stoughton Recycling
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R Cherry Companies
SILVER SPONSOR
G City of Bakersfield
G City of Denton
G City of Edmonton, Waste Management Services
V Commonwealth Equipment Corp
R Commonwealth Recycled Aggregates, Inc.
V Company Wrench
V Compass Equipment, Inc.
V Construction & Demolition Recycling Magazine
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R Cooper Rail Service, Inc.
R Cooper Tank Recycling
R Coronado Wrecking & Salvage Co., Inc.
R Costello Dismantling Co.
R Countrywide Sanitation Co.
R County Conservation Co., LLC
R Covanta
V Cp Mfg
R CPRC Group, LLC
R Crush-It, Inc.
R Crushcrete, Inc.
R D&G Construction Co., Inc./JKS Ventures, INC.
R Dedham Recycled Gravel Co., Inc.
R Demo Plus, Inc.
R Denney Excavating Inc.
R Devens Recycling Center
R Drywall Recycling Services, Inc.
R DtG Enterprises, Inc.
R Dynamic Waste Systems, Inc.
R E. L. Harvey & Sons, Inc.
V Eagle Crusher Company
C Ecostrat Inc.
V Ecoverse
R El Paso C & D Recycling
R El Paso Sanitation Systems, Inc.
R Environmental Alternatives, Inc.
R EnviroSolutions, Inc.
R Envirowaste, LLC
R Ewles Materials
R F & G Recycling, LLC
R Falcon Green Resources
CORPORATE SPONSOR
V Faztec Industries Inc. Recycling & Materials
CORPORATE SPONSOR
R First Piedmont Corporation
R Flint Hills Resources
G Florida Waste Haulers & Recyclers Coalition
R Florin Perkins Public Disposal
R Frank Road Recycling Solutions/JDM Services, LLC
C GBB, Inc
V General Kinematics Corporation
GOLD SPONSOR
R Geppert Bros., Inc.
R GhSa
R Gillies Creek Industrial Recycling
R Green Acres C&D Recyclers, LLC
C Green Seal Environmental, Inc.
R Ground Up Recycling
R Halifax C&D Recycling Ltd.
R Hayward Transfer Station
R Hazex Construction, Inc.
R Henson Disposal, Inc.
R Homewood Disposal
R Hrustic Brothers Inc
G Illinois Nat’l. Guard
R Independence Excavating Inc
R Independence Recycling of Florida
R Independence Recycling Services Inc
R J Bar Enterprises, LLC
R J R Ramon & Sons Inc
R J-2 Contracting Company
R J.R. Vinagro Corporation
V James River Equipment
R Johler Demolition, Inc.
R K. Hoving Recycling & Disposal, Inc.
SILVER SPONSOR
G King County Greentools
V Komptech Americas LLC
R Kroeker, Inc.
R Kurtz Bros., Inc.
R L & S Demolition Recycling
R Lakeshore Recycling Systems, LLC
R Landfill Reduction & Recycling
R Lautenbach Industries
R LeBoeuf Rubbish Removal, Inc.
R LEDR Recycling
G Lee County Solid Waste
R Liotta Brothers Recycling
R Lockheed Martin
R M.A. Associates Inc.
V Machinex Technologies Inc.
R Madison Materials
R Maggio Environmental
V Marathon Equipment Company
R Marpan Recycling
R Max Steininger, Inc.
R MBL Recycling
CORPORATE SPONSOR
R Mercier Group Int’l of NJ, Inc.
V Metso
R Michael Brothers Hauling, Inc

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CDRA Members (cont.)  

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R Mid Florida Materials  CORPORATE SPONSOR  
R Miller's Trucking & Excavating  
R Modern Recycling  
V Morbark, Llc  
R Mulder's Assurance Recycling  
R Mwc, LLC  
R Myers Recycling Center  
G NC DENR  
R New Bedford Waste Services, LLC  
R New England Recycling Co., Inc.  
R New West Gypsum Recycling  
R Northstar / Renu Recycling Services (northstar)  
R Novem Industries.  
R Ocean County Recycling Center  
R Old Cape, Inc  
R Olympic Organics Llc  
R Ondrick Materials & Recycling, Llc  
G Orange County Solid Waste Management  
R Paragon Resource Management  
R Patterson Services, Inc.  
R Patuxent Materials Inc  
R Pelican Waste Services  
G Pitt County Solid Waste & Recycling  
R Potomac Landfill, Inc.  
R Premier Recycle Company  
R Pro Disposal  
R R.J. Smith Materials  
R R&B Debris, LLC  
R RAMCO (Recycled Aggregate Materials Company)  
R Randazzo Enterprises  
R Realco Recycling Co., Inc.  
R Recology, Inc.  
R RECON Services  
R Recovery1, Inc.  
G Recyc-quebec  
R RECYCLED EARTH  
R Recycling & Processing Equipment Inc./Asphalt Shingle Grinding Services  
R Recycling Solutions, LLC  
R ReEnergy  
R Republic Services  
R Roadrock Recycling, Inc.  CORPORATE SPONSOR  
R Rocky Mountain Recycling  
R Rosby Resource Recycling  
V Rotochopper, Inc.  
R Royal Recycling, Inc.  
R S. B. Cox, Inc.  
R S. H. Carter Development, Inc.  
G Salinas Valley Solid Waste Authority  
C Scs Engineers  
R Sexton Properties R.P, LLC  
V Sherbrooke Oem Ltd.  
R Shermans Valley Recycling, LLC  
R Simpson Materials Company  
R Site Solutions Recycling  
R Site-Ready Materials & Const. Co., Inc.  
R SKB Environmental  
R Snohomish Valley Roofing  
R Southwind RAS  
V Sparta Manufacturing, Inc.  
V SSI Shredding Systems, Inc.  CORPORATE SPONSOR  
G StopWaste  
R Sun Recycling, LLC  
R Sunshine Disposal & Recycling  
R Sunshine Recycling, Inc.  
R Surmeier & Surmeier, Inc.  
R Taylor- Montgomery LLC  
R Taz C & D Recycling LLC  
R Ted Ondrick Company, LLC  
R The Fairfax Companies  
R Thomson Brothers Industries  
R Tkg Environmental Services Group, Llc  
R Transcor Recycling, LLC  
C Tremco, Inc.  
R Triad Recycling And Energy Corp.  
R Trojan Recycling, Inc.  
R Turner Construction Company  
R United Recycling & Container  
R USA Gypsum  CORPORATE SPONSOR  
R Usg Corporation  
V VAN DYK Recycling Solutions  
R Veit Companies  
V Vermeer Corporation  
V Volvo Construction Equipment North America  
G WA State Dept. of Ecology  
R Waste Industries Usa  
R Willimantic Waste  
R WM Recycle America  
Green Sponsor  
R Zanker Recycling  CORPORATE SPONSOR  
R Zwicki Processing and Recycling, Inc.

Continental Biomass Industries

CBI AirMax Material Component Separator

- An air material separator ideal for separating rock from wood & plastic
- Requires minimal power from four motors totaling 32 HP
- Fully enclosed component for self-contained air flow

C&D Recycling  Glass Recycling  Mulch Cleanup  Compost Cleanup  Automotive Fluff Recycling

CBI  22 Whittier Street, Newton, NH  (603)-382-0556  www.cbi-inc.com
DEDICATED TO ADVANCING THE INDUSTRY

Becoming a CDRA member offers your business support and resources that can't be found elsewhere. The CDRA promotes and defends the environmentally sound recycling of Construction and Demolition (C&D) material through a diverse and unified voice of members committed to sustainability.

CDRA members are an important part of Association efforts as we focus on the future of C&D debris recycling over disposal.

CDRA members process millions of tons of: Asphalt, Concrete, Gypsum, Metals, Wood, Shingles, and more…

CDRA FOCUS

Founded as the Construction Materials Recycling Association (CMRA) in 1996, the association adopted the name Construction & Demolition Recycling Association (CDRA) in 2013 to best reflect its membership base: private sector businesses, public sector agencies and vendors to the C&D recycling market. There are a broad range of industries represented, including construction, demolition, public sector services, waste management services, rock and building materials companies, road construction companies, and more.

HELP YOUR BUSINESS STAY CURRENT ON THE FOLLOWING:

• Regulations and Legislation that effects your business
  » Support with pending rules and regulation lobbying
  » Franchising, flow control
  » OSHA Silica rules

• LEED and USGBC trends
• Certification opportunities
• Fines
  » ADC
  » New product development

• Safety Issues
• Employee safety
• Fire Safety
• Technology advances
  » Screens
  » Shredders
  » Robotics
  » Gasification

• Annual meetings in great locations that include plant tours
• Shingle recycling activities, markets, trends and regulations
• Industry data and statistics available for use with customers, regulators and local and State government entities
• Comprehensive industry database with state-by-state regulations
• The latest industry news
Membership Categories and Dues

We are a (please check one):

- C&D Processor, Generator, Landfill, or Hauler . . . $595
- Industry Consultant . . . . . . . . . . . . . . . $595
- Government Agency . . . . . . . . . . . . . . . . . $275
- Industry Vendor . . . . . . . . . . . . . . . . . $1095

TOTAL ENCLOSED: ____________ check no.: ____________ (you may also join online at www.cdrecycling.org)

Company Name: ____________________________________________
Mailing Address: ____________________________________________
City: __________________________ ST/Prov: _______ Zip/Postal Code: ________________
Telephone: __________________________ Fax: __________________________
Website: _____________________________________________________
Primary Contact: ____________________________________________ Title: __________________________
Primary Contact Email Address: (REQUIRED) __________________________

If your facility address differs from your mailing address, please indicate how you want your organization to be listed on the CDRA website:

Company Name: ____________________________________________
Street Address: ____________________________________________
City: __________________________ ST/Prov: _______ Zip/Postal Code: ________________

Additional Contacts (please provide up to two additional names and email addresses):

Name: __________________________ Title: __________________________ Email: __________________________
Name: __________________________ Title: __________________________ Email: __________________________

Mail this completed form along with your check (payable to CDRA) to:
CDRA
6737 W Washington St • Suite 4210
Milwaukee, WI 53214

www.cdrecycling.org • info@cdrecycling.org • Phone: 866-758-4721 • Fax: 414-276-7704

06/2017
8TH Asphalt SHINGLE RECYCLING FORUM

October 17–19, 2017
The Westin Cincinnati, Ohio

Presented By:
ShingleRecycling.org

EXHIBIT HALL: 3rd Floor Presidential I

Sponsored by:

CDRA
Construction & Demolition Recycling Association

Asphalt Roofing Manufacturers Association

U.S. Department of Transportation
Federal Highway Administration

Recycle Ohio
Ohio Environmental Protection Agency

NAPA
National Asphalt Pavement Association

NAPRA
National Asphalt Pavement Recycling Association

ROTOCHOPPER
Inc.
EXHIBITOR APPLICATION/CONTRACT

*Information in fields with an asterisk are required

COMPANY NAME* APPLICANT NAME (FIRST, LAST)*

CDRA MEMBER COMPANY?* YES NO

ADDRESS* WORK PHONE* CELL PHONE

CITY* EMAIL ADDRESS*

STATE/PROVINCE/COUNTRY* ZIP/POSTAL CODE*

PERSONS MANNING YOUR BOOTH AT THE EVENT (2 registrations are included with the booth fee; additional personnel must register for the event as attendees): NAME (FIRST, LAST) TITLE

NAME (FIRST, LAST) TITLE

EXHIBIT FEES Exhibit contract cannot be processed unless accompanied by a check, money order, or credit card in payment of fees.

Please note that ALL booths measure 10' wide x 10' deep and include one 8' x 30"h table, draping, and two chairs. Each booth includes 2 registrations. If electricity or other services are needed for your booth, contact the CDRA office for a convention services order form.

☐ $1,600 CDRA Members Only  ☐ $2,100 Non-Members

A. __________________________

TOTAL COST OF EXHIBIT BOOTHS SPACE

Booth Location Preference:  First choice  Second choice  Third choice

SPONSORSHIP OPPORTUNITIES

Increase your company’s visibility at the 8th Asphalt Shingle Recycling Forum by being an event sponsor. All receive two complimentary event registrations, and the top two levels also receive one complimentary exhibit space. Sponsorship also includes your logo on event signage, future mailings if submitted on time, and event promotion on ShingleRecycling.org. Presenting Sponsors will receive more prominent visibility than Co-Presenting Sponsors.

☐ $10,000 Presenting Sponsor  ☐ $5,000 Co-Presenting Sponsor  ☐ $2,500 General Sponsor

B. __________________________

TOTAL COST OF SPONSORSHIP PACKAGE

PAYMENT METHOD A check handling fee of $40 will be assessed to checks returned due to insufficient funds.

☐ I have enclosed a check or money order payable to Construction & Demolition Recycling Association  ☐ I authorize payment on my credit card:

☐ Visa  ☐ MasterCard  ☐ American Express

NAME (please print, as it appears on the card) CARDHOLDER SIGNATURE

CARD NUMBER  EXP. DATE  CSC**  BILLING ZIP CODE

**CARD SECURITY CODE (CSC) For MasterCard or Visa, it’s the last three digits in the signature area on the back of your card. For American Express, it’s the four digits on the front of the card.

PLEASE RETURN THIS FORM TO:  HOTEL

CDRA
6737 W Washington St, Ste 4210
Milwaukee, WI 53214

QUESTIONS?
Contact us at 866-758-4721 or info@shinglerecycling.org

*Registrations will not be processed until payment is received.

The 8th Asphalt Shingle Recycling Forum will be held at The Westin Cincinnati, 21 E. 5th St., Cincinnati, Ohio 45202 (Downtown). A block of rooms is being held for October 17-19, 2017 with a special room rate of $189 per room, per night. The special room rate will be available until September 15th or until the group block is sold out. You can reserve your room online through the link “8th ASRF Hotel” at ShingleRecycling.org, call the Westin Cincinnati at 513-621-7700 or book online: www.shinglerecycling.org
**EVENT DETAILS**

### REGISTRATION

The fee for the forum is $310 if received by September 22nd and $340 if received after September 22nd. Attendees from CDRA member companies and NAPA and ARMA members receive a $260 registration rate if received by September 22nd and $290 if received after September 22nd. The fee includes all sessions, receptions, breaks, lunch on Wednesday and continental breakfast on Thursday. The Shingle Processing and Asphalt Plants Tour has limited availability and an additional fee of $100 per person. Refunds (minus a $40 fee) will be issued if you cancel in writing by September 22, 2017. Online registration is recommended, and is available at ShingleRecycling.org.

### EXHIBITOR OPPORTUNITIES

Exhibits from companies and organizations offering equipment, services and research will be included in the 8th Asphalt Shingle Recycling Forum. The exhibitor fee ($1600 for CDRA member companies; $2100 for non-member companies) includes two conference registrations as well as a 10' x 10' booth space. There are three levels of sponsorship: $10,000 Presenting; $5,000 Co-Presenting; $2,500 General. All receive two complimentary event registrations, and the top two levels also receive one complimentary exhibit space.

If you are interested in becoming an exhibitor or sponsor, please contact us at 866-758-4721 or info@shinglerecycling.org for more information.

### LOCATION & ACCOMMODATIONS

The 8th Asphalt Shingle Recycling Forum will be held at the The Westin Cincinnati, 21 E. 5th St., Cincinnati, Ohio 45202 (Downtown). A block of rooms is being held for October 17-19, 2017 with a special room rate of $189 per room, per night. The special room rate will be available until September 15th or until the group block is sold out. You can reserve your room online through the link “8th ASRF Hotel” at ShingleRecycling.org, call the Westin Cincinnati at 513-621-7700 or book online: www.shinglerecycling.org
THURSDAY, OCTOBER 19, 2017

7a–8a • Continental Breakfast in Exhibit Hall

8a–10a • Breakout Sessions

Track 1A  RAS Mix Design
Presenter:
William Butler, PhD, P.E., University of Missouri

Track 2A  Shingle Recycling 101
Presenter:
Educating the Roofer: Andy Near, Empire Contracting
QC Manager, C&D Recycling

10a–10:30a • Networking Break with Exhibitors

10:30a–12:30p • Breakout Sessions

Track 1B  New Standards for RAS Use: AASHTO, ASTM
Presenters:
Lee Gallivan, Gallivan Consulting
NAPA Engineer Representative

Track 2B  Alternative Uses for Recycled Shingle
Moderator: Martin Grohman, GAF
Presenters:
RAS back in shingles: Dan Horton, ASR, Inc.
RAS as fuel: Gilles Bernardin, Valorization Bernardin Inc.

12:30pm • Assessment & Closing
**REGISTRATION FORM**

**REGISTER ONLINE @ ShingleRecycling.org**

<table>
<thead>
<tr>
<th>LAST NAME</th>
<th>FIRST NAME</th>
<th>Attending tour? (see section B. below)</th>
<th>Yes</th>
<th>No</th>
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**EMAIL ADDRESS** (required to process your registration)

**ADDITIONAL ATTENDEES REGISTERING FROM THE ABOVE ORGANIZATION:**

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<th>LAST NAME</th>
<th>FIRST NAME</th>
<th>Tour?</th>
<th>Yes</th>
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**A. REGISTRATION FEES**  
Registration cannot be processed unless accompanied by a check or money order.

- $260* Association Members Only (by September 22nd, 2017)
- $290* Association Members Only (after September 22nd, 2017)
- $310 Non-Association Members (by September 22nd, 2017)
- $340 Non-Association Members (after September 22nd, 2017)

*Please note that CDRA, ARMA or NAPA membership is required to receive these discounted rates and at least one option checked:

- CDRA Member
- ARMA Member
- NAPA Member

*If registering online, please contact us for association discount code.

**TOTAL COST OF FORUM REGISTRATION(S)**

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<th>NUMBER OF TOUR ATTENDEES</th>
<th>TOTAL COST OF TOUR</th>
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**B. PLANT TOUR FEES**

Total attending Thursday morning’s shingle processing and asphalt plants tour (additional $100 per person).

Please note that no Cincinnati-area asphalt plant personnel will be allowed on this tour.

Prompt registration is recommended to ensure your spot on the tour.

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<th>NUMBER OF TOUR ATTENDEES</th>
<th>TOTAL COST OF TOUR</th>
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**PAYMENT METHOD**  
A check handling fee of $40 will be assessed to checks returned due to insufficient funds.

- I have enclosed a check or money order payable to
  Construction & Demolition Recycling Association

**TOTAL**

(sum of A. and B. above)

If you wish to pay by credit card, please register online at www.ShingleRecycling.org

**RETURN THIS FORM TO**

**CDRA**

6737 W Washington St, Ste 4210
Milwaukee, WI 53214
Fax: 414-276-7704*

*Registrations will not be processed until payment is received.

**REGISTRATION LIST**

- I/We do not want to be included on a registration list for distribution to conference participants.

**QUESTIONS?**

Contact us at 866-758-4721 or info@shinglerecycling.org
LEDR Finds Green Solution to St. Louis Construction Boom with Specialized Electric Grinder

by Joe Gallagher, Terex CBI Ecotec
As featured in the July August 2017 issue of Construction and Demolition Recycling Magazine

ST. CHARLES, MO – LEDR Recycling (Landfill-Environmental-Diversion-Reclamation), opened a state-of-the-art indoor material recovery facility in the spring of 2015. Positioned just across the river from St. Louis in a northwest suburb, the C&D recycling center processes concrete, dirt, aggregate cardboard, drywall, plastic, metal, wiring, shingles, vinyl siding, granite tile, and wood waste. Their stationary processing system was custom designed and manufactured entirely by Continental Biomass Industries (CBI).

Instead of waiting upwards of nearly an hour between loads, trucks now resort to LEDR’s 3-acre concrete plot to drop off waste materials without any wait. Phase one of the custom-built system features an Action Taper-Slot® Screener, fines conveyor, fines magnet, incline conveyor, mezzanine, picking conveyor, and an in-line electromagnet.

New construction and demolition in metropolitan St. Louis and St. Charles County created an emerging demand for wood waste processing in the area, with more and more debris ending up at LEDR. “We get loads from downtown St. Louis and St. Charles County is still the largest area where new homes are going up,” said John Davis of LEDR. “We have a lot of new homes, a lot of industry, a lot of old farmland that’s been transformed into business parks and commerce centers around us, and then there’s also a lot of new building going on in downtown St. Louis.”

St. Louis saw one of its highest construction increases in the last decade in FY16, with the City’s Building Division issuing nearly 5,000 building permits for residential and commercial construction. LEDR’s website estimates that construction of the average new home in America generates 3-6 tons of materials. Building permits equaled more than $700 million dollars over the period, representing a 12 percent annual increase in office rehabs, new lofts, hospital construction, single family and multi-family residential construction, new commercial construction, and much more. Wood waste became overwhelming for LEDR’s 35,000 square-foot facility. Plywood, wall studs, 2x4s, and pallet-type material proved difficult to keep on site and costly to haul out.

“The wood is so bulky that you couldn’t store the amount of wood we get for more than a day if you didn’t have a way to grind it and condense it into mulch,” said Davis. “We were hauling it out. Really up until that point we struggled because we had the wood and no place to go with it. We don’t have any biomass around here, so we were stuck hauling it up to a tree service yard for them to grind—but that’s not feasible, you’re lucky to get six-seven tons of raw pallet-type wood onto the tractor trailer.”

Recognizing that about 40 percent of his inbound material was wood, Davis scheduled the installation of a specialized CBI Magnum Force 5400SE-SA Stationary Electric Grinder to downsize material and save on energy costs.

The CBI Magnum Force 5400SE-SA Horizontal Grinder is a special application unit that fits the need of a customer looking for a smaller production rate than CBI’s standard 5400SE, with more affordability and the same durability. Producing at $1.00 a ton, the 5400SE-SA is designed for grinding pallets, debris from construction, storm debris, slash, dunnage, regrind, or yard waste.

From the beginning, Davis was steered away from diesel machines because his operation is indoors, but he’s also been impressed by the energy saving benefits of the 5400SE-SA.

“It’s an electric powered machine, which is the best for our application inside. A diesel motor creating exhaust would be a burden inside our facility,” said Davis. “We turn on the 5400 in the morning and it runs all day long. Since it’s on electricity it doesn’t use much power, it’s just sitting there free-wheeling, very little power and you don’t have to worry about diesel fumes or the air being so bad that a motor with a radiator would be a bad situation.

LEDR continued on next page
About forty percent of the material we take in is wood, so we needed something that could grind plenty of wood.”

The purpose-built machine has thrived in the rough conditions. “We’ve got the big C&D block type teeth on it, and we’ve been running the machine for about a year-and-a-half now; we haven’t even switched a tooth directionally yet,” said Davis. “We haven’t changed a tooth and we haven’t lost a tooth. It really is just a monster of a machine. Plus now we’re getting paid for it where in the past we were paying them to get rid of it. They pay for the hauling and pay for the material.”

Grinding the processed material allows LEDR to maximize the pay load for transportation. Pallets and 2x4s can now be consolidated and loaded into a trailer at full capacity. “We haul out usually 200-300 cubic yards of mulch a day,” said Davis.

After having the new electric grinder for a year and a half, the area’s pent up demand for wood waste processing now works in the company’s favor. LEDR processes 60-80 tons of wood waste daily, limited only by their ability to load the machine. Rather than paying to haul out the wood, LEDR grinds the C&D debris down to raw product and sells it to one of the biggest mulch yards in the area. The mulch yard regrinds and recolors the material to fine landscaping mulch and sells it.

“It’s a great industry to work in because it’s the right thing to do for the environment,” said Davis. “Everybody works to recycle more efficiently while making sure their plants are also operating as efficiently as possible.”

LEDR’s investment in green recycling has proven to be a highly efficient solution from a business standpoint, while driving massive reductions in landfill waste.
Plan to Attend the Biggest Event in Shingle Recycling

8TH Asphalt Shingle Recycling Forum

October 17–19, 2017
The Westin Cincinnati, Ohio

Attendee & Exhibitor Information on pages 13-17!

ShingleRecycling.org