



American Recycler

NewsVoice of Salvage, Waste and Recycling

AmericanRecycler.com

FOCUS: Waste

States seek to keep landfills mattress free



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The future of urban electronics recycling begins to take shape

by MIKE BRESLIN

mbreslin@americanrecycler.com

A model of what could become a core for recycling electronics in urban areas may be embodied in the new e-cycleNYC program, a multi-unit dwelling collection method announced in May by New York City's (NYC) sanitation commissioner John J. Doherty.

The Department of Sanitation New York (DSNY) was faced with many challenges when it came to designing a program to recover electronics from their solid waste stream in a highly complex urban environment, the most densely populated city in the country.

DSNY also had to prepare for a looming deadline. Starting in 2015, it will be illegal for New Yorkers to discard electronic goods in the trash. The New York State Electronic Equipment Recycling and Reuse Act already encourages the recycling of consumer electronics through various take-back and collection programs. Examples of programs that allow residents to drop off unwanted electronics for free include those offered by Best Buy,



ERI processes more than 250 million pounds of electronic waste annually at seven locations serving every zip code in the United States. Shredders and equipment are ERI's patented technology used at all their locations. Technology shown in this photo is from ERI's Holliston, Massachusetts location (Boston area) will be used to recycle e-waste brought in from collections in New York City.

Goodwill, Salvation Army and Staples.

But over 50 percent of NYC's population lives in apartment buildings, and over 50 percent of its population has no access to a vehicle to move large electronics. Due to

these factors, the rate of electronics recycling currently falls below the state average. DSNY hopes to boost the e-recycling rate by targeting apartment dwellers that have the most difficulty recycling electronics.

Phase one of e-cycleNYC is underway and involves DSNY enrolling apartment buildings with 10 or more units to participate in the new program, which may begin collections as early as this fall.

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Campaign started to target the 62 percent of Americans that do not currently recycle

The average American produces 4.4 lbs. of trash per day, and on the whole the U.S. produces over 250 million tons of trash per year. However, only about 35 percent is currently recycled, according to the Environmental Protection Agency (EPA). To address this national concern, the Ad Council and Keep America Beautiful (KAB) have launched a public service advertising (PSA) campaign designed to raise awareness about the benefits of recycling with the goal to make recycling a daily social norm.

According to research released by the Ad Council, only 52 percent of Americans say that they are "very" or "extremely" knowledgeable about how to properly recycle. Additionally, only 38 percent say they are "avid recyclers," recycling as much as possible and willing to go out of their way to do so. While there are several barriers to recycling, among the most common reasons given for not recycling are that respon-

dents did not have enough information about where to recycle or what types of materials they are able to recycle.

The "I Want To Be Recycled" campaign is targeted to motivate Americans to recycle every day. Created pro bono by San Francisco-based ad agency Pereira & O'Dell, the campaign shows that recyclable materials can be given another life and become something new if someone chooses to recycle.

The campaign directs audiences to IWantToBeRecycled.org, a new website with a localized search tool allowing users to find where to recycle either at their curbside or their nearest recycling center.

The website illustrates the recycling process through an interactive infographic and offers detailed information on what materials can be recycled, how they should be recycled and what products they can become in the future.

"This campaign is the emotional push needed to raise awareness and positively change people's behavior to recycle more. Our intent is to increase recycling rates, which translates into measurable benefits including waste reduction, energy savings, natural resource conservation and job creation," said Brenda Pulley, KAB senior vice president, recycling. "Based on survey feedback, we know people want to recycle. This campaign is designed to tap into that desire as well as provide helpful tools to make recycling easier."

The online survey, commissioned by the Ad Council, was conducted in partnership with C + R Research. Research was conducted nationwide from June 25 through July 8, 2013. The sample consisted of 999 U.S. adults ages 18 to 64. The campaign will be supported by a comprehensive public relations and social media program on Facebook, Twitter and YouTube.

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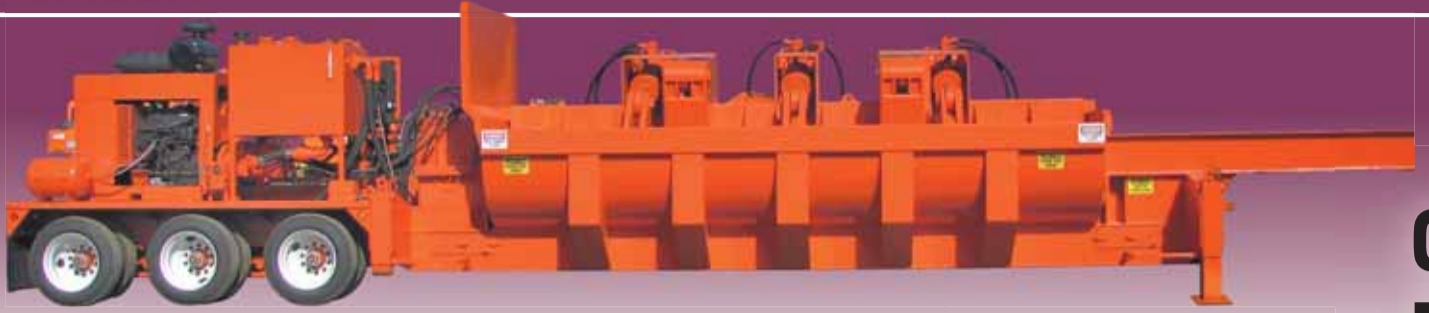
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Recycling increases at Oregon's Hillsboro ballpark



GreenDrop Recycling Station at the new Hillsboro, Oregon ballpark allows guests to dispose of waste within specific waste streams at one orderly stop.

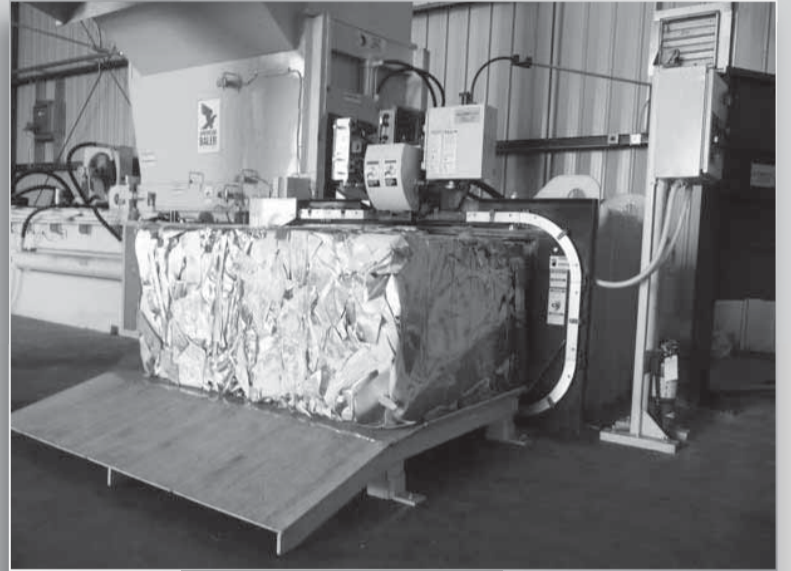
GreenDrop Recycling Stations are an important part of the recycling program at the Hillsboro Ballpark.

The City of Hillsboro Parks & Recreation Department owns and operates the operations at the Gordon Faber Recreation Complex where Hillsboro Ballpark is located. As part of the city's environmental and sustainability programs, they have partnered with Garbarino Disposal Services to increase recycling efforts and decrease the amount of waste going to landfills. The City of Hillsboro and Garbarino have selected the GreenDrop Stations from Pacific Cascade Corporation to assist with the recycling program at Hillsboro Ballpark.

GreenDrop Recycling Stations reduce landfill contributions by users easily self-sorting recyclable and compostable items out of the landfill waste stream.

The unique GreenDrop Recycling Station was designed through multi-year efforts of the Portland Trail Blazers head office and the Rose Garden Arena. The arena's landfill diversion rate increased from 38 percent in 2007 to 90 percent in 2012, in part by replacing old-style garbage cans with GreenDrop Recycling Stations. GreenDrop stations reduce landfill contributions by visually guiding users to properly dispose recyclable items.

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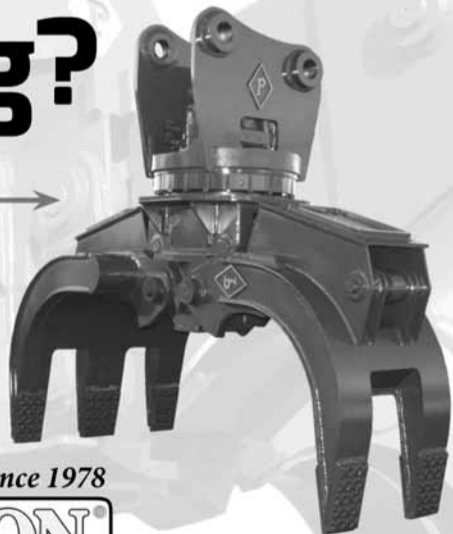
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Electronics

■Continued from Page 1

Depending on the size and type of building, a variety of options will be available to residents including storage bins, room clean-outs, and building events. Once underway, the in-building service will represent one of the most comprehensive electronics recycling programs offered by any municipality in the country.

After an extensive bidding process involving dozens of prospective vendors, DSNY awarded a 15 year contract to Electronics Recycling International (ERI) to collect and recycle the electronics. DSNY required that all materials be handled in an environmentally responsible manner that ensured that none of the accepted materials would be landfilled nor exported illegally and all data would be destroyed. All seven of ERI's U.S. processing facilities comply with the strictest industry and environmental standards and hold e-Stewards and R2 certifications.

ERI currently recycles approximately 250 million pounds of electronics annually in the U.S. Part of ERI's recycling services include setting up collection and recycling programs with electronics manufacturers across the U.S., whether voluntarily implemented by the manufacturer or legislatively required, such as the program for New York State Electronics manufacturers, through their requirements under the

New York State law, will assist in the funding of the e-cycleNYC program. The program will not receive any taxpayer or federal aid dollars to support the program.

American Recycler asked John Shegerian, president and chief executive officer of ERI about the new program and what it means to his company and the city.

"This is a super big deal for ERI. I'm a native New Yorker. I grew up here, went to high school and college in Manhattan, and live there. It goes back to that old Sinatra song – "if you can make it here you can make it anywhere." It seems that whatever New York City showcases, whether banning smoking in bars or anything else, the domino effect and reverberations are heard around the world. The phone calls and contacts that have rolled in after the contract was announced have put us on the world stage. We were already the leading brand in electronics waste recycling in the U.S., but to get this kind of credibility from New York, the greatest city on the planet, by picking us out of many other vendors is beyond honor. It's such an important deal because it's such a complicated city in terms of recycling."

About 40 vendors bid for the e-cycleNYC contract and DSNY professed an extensive bidding process to select the vendor to handle the 15 year contract. ERI began working with DSNY five years ago handling collec-

tion events in conjunction with major businesses.

Shegerian pointed out that NYC's program is unique. As an example he mentioned the e-recycling program ERI has run for several years for the City of Los Angeles. "LA is very green conscious and has two different methodologies. They have household hazardous waste events where people drop off. At those events they have another vendor that handles batteries, oils, paints and so on. We handle the e-waste. They also have drop-off centers for electronics throughout the city and we pick up from those, but LA is spread out with much fewer apartment buildings than New York. That works for LA, but in Manhattan and the boroughs there is a concentrated population of apartments. That's why e-cycleNYC is the ideal model for a city like New York. It's been years in the planning by DSNY as to what would work best."

Shegerian reported that DSNY has already been in contact with over 100 apartment buildings and is finding huge excitement and support in the field for the program. ERI has also heard from many other cities wanting to discuss similar programs.

"When I got into this business in 2005, only three states had e-waste laws," said Shegerian. "Now 25 states have manufacturer laws and 20 states have landfill or disposal bans surrounding electronics."

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877-777-0737 Fax 419-931-0740

Publisher and Editor

ESTHER G. FOURNIER
esther@AmericanRecycler.com
news@AmericanRecycler.com

Editorial Focus Section Editor, Production and Layout

DAVID FOURNIER, JR.
david@AmericanRecycler.com

Production and Layout

MARY E. HILL
mary@AmericanRecycler.com

Marketing Representatives

MARY M. COX
maryc@AmericanRecycler.com
MARY E. HILL
mary@AmericanRecycler.com

Circulation Manager

DONNA L. MCMANUS
donna@AmericanRecycler.com

Writers and Contributors

MIKE BRESLIN
mbreslin@AmericanRecycler.com
DONNA CURRIE
dcurrie@AmericanRecycler.com
MARK HENRICKS
mhenricks@AmericanRecycler.com
CAROLYN MILLER
illustrator@AmericanRecycler.com
RON STURGEON
rons@rdsinvestments.com

Production Offices

900 W South Boundary, Bldg 6
Perrysburg, OH 43551-5235
877-777-0737 fax 419-931-0740
www.AmericanRecycler.com

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Single stream recycling facility opened in Fort Pierce

PHOTO COURTESY OF MITCH KLOORFAIN



Pierce, the City of Fort Pierce's mascot, presents the new 64 gallon recycle carts on wheels, which have been delivered to Fort Pierce households to expand recycling capacity and collection.

Waste Management hosted a ceremony to mark the opening of its new \$1.5 million Fort Pierce, Florida transfer station.

Fort Pierce officials joined in the festivities to kickoff off the city's new single-stream cart recycling program. Over the past few weeks, more than 5,000 64-gallon blue carts on wheels have been delivered to Fort Pierce households to expand recycling capacity and collection.

The Waste Management Fort Pierce Transfer Station can accept up to 150 tons of municipal solid waste, construction and demolition debris, recyclables and bulk materials for sorting and transfer.

Waste Management's senior district manager Tony Bishop will manage the new facility. Richard K. Davis Construction of Fort Pierce was the general contractor for the project which employed approximately 10 workers during the construction phase.

"Residents currently recycle about 15 percent of their waste, and our goal is to increase that to 45 percent," said Fort Pierce Mayor, Linda Hudson.

The recyclables will be processed at Waste Management's Reuter Recycling Facility in Pembroke Pines with the remaining waste transported to Waste Management's Okeechobee Landfill for disposal.

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AF&PA July paper reports

The American Forest & Paper Association released its June/July U.S. paper reports.

Containerboard

Containerboard production increased 4.1 percent in July over June 2013 and 5.3 percent over the same month last year. The month-over-month average daily production increased 0.7 percent. The containerboard operating rate for July 2013 dropped 0.4 points from June 2013, from 99 percent to 98.6 percent.

Boxboard

Total boxboard production increased by 0.7 percent compared to June 2012 but decreased 0.3 percent from May. Unbleached Kraft Boxboard production increased over the same month last year but decreased compared to May. Total Solid Bleached Boxboard & Liner production increased compared to June 2012 and increased compared to May. The production of Recycled Boxboard increased compared to June 2012 but decreased when compared to May.

Kraft Paper

Total Kraft paper shipments were 131.4 thousand tons, an increase of 2.3 percent compared to the prior month. Bleached Kraft paper shipments increased year-over-year 5.7 percent, and the 2.8 percent year-over-year decline in unbleached Kraft paper shipments were enough to bring overall Kraft paper shipments down 1.5 percent year-over-year. Total month-end inventory increased 0.7 percent to 71.2 thousand tons this month compared to May 2013 month-end inventories.

Office Depot sets stronger policies

Office Depot, Inc., a provider of office supplies and services, has released a new greener paper purchasing policy designed to increase its use and tracking of environmentally preferable paper products.

The new guidelines – drafted over a 12 month period with input from World Wildlife Fund, other environmental non-governmental organizations (ENGOS) and several paper suppliers – updates the company’s 2004 paper policy.

The updated policy has garnered support from a wide range of forest sector stakeholders. The policy scope includes all paper purchased or sold by Office Depot globally, with initial implementation focused on high volume categories such as copy paper and marketing papers, and a secondary focus on other paper-based office products and delivery packaging.

As an active Global Forest & Trade Network participant, Office Depot agreed to update this policy, set targets, and publicly report on its progress toward responsible fiber sourcing goals.

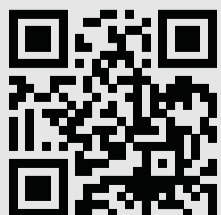
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Electronics

■Continued from Page 4

For many back then it was the 'green' thing to do, but over time it's evolved. We've now passed the tipping point when it comes to environmental issues and sustainability. The velocity and trend is our friend now in terms of politics. Most politicians, regardless of party, realize that supporting e-cycling is good if they can make it easy and accessible to the public"

To coordinate the program, ERI recently opened offices in the Met Life building in Manhattan and leased a transfer station in the New York Metro area. Once collections begin, material will go to the transfer station for sorting before being trucked to ERI's recently expanded Boston area facility for processing.

"One reason our clients like us is because I came out of the Internet business where I co-founded FinancialAid.com," said Shegerian. "We have online technology that none of our competitors have that creates dashboards for our clients. In this instance, New York City will not only be able to track where materials are, and are headed at any given time, but also able to contact us and tell us when and where to schedule pickups. It will all be online between DSNY, the apartment buildings and us. That's how we run our whole company, everything is tracked digitally."

Like many large e-recyclers, ERI both commoditizes materials and offers asset management services. "We've built the biggest shredders and glass cleaning machines in the world for e-waste across America and have spent close to \$100 million in technology," reported Shegerian. "In April of 2005, when we started this business, in the first month we recycled

about 10,000 pounds of e-waste. At the time, I said, Oh. Wow! Last month at our 7 locations nationally our over 800 employees recycled about 21 million pounds of electronics in the 1 month. We separate and clean the glass through proprietary technology and that goes to smelters. We shred material to recover all the copper, steel, aluminum, plastics and so on. All those liberated commodities get sold to smelters and processors around the world. None of it is landfilled."

ERI was the first e-cycler to be dual certified to R2 and e-Stewards standards, and the only e-cycler to have two large, strategic partners that have invested in the company. One is LS-Nikko Copper, the second largest copper smelter in the world which recovers copper and precious metals from shredded circuit boards. The other investor-partner is Alcoa which receives recovered aluminum. ERI was Alcoa's first strategic venture-capital investment in its 125 years of existence.

"We recycle for manufacturers, or OEMs, of electronics all over the U.S. We have a management program that's very sophisticated, digitally speaking, and a compliance team that manages these programs for OEMs. Of the 25 states that have e-cycling laws, all are somewhat different, so we make sure OEMs stay in compliance with the laws. We will track the New York volume to ensure compliance for OEMs under the New York State program."

Shegerian said that the working date for the first NYC pickups is this fall. He had no estimate as to expected volume. "Typically it's always more than we think and we think it's going to be bigger than anyone anticipates. If you think of the over eight million people that live in New York City, the potential tonnage is staggering."

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Glass processing plant built in Southern Russia



Input material for Actis glass recycling facility in Novochoerkassk, Russia.

Actis, located in Novochoerkassk, only 30 kilometers from Rostov in Southern Russia, produces new bottles for the beverage industry from waste glass collected.

After a careful planning phase, Actis chose the Austrian construction company BT-Wolfgang Binder with their Redwave sorting technology, who carried out the conception and realization of the automatic sorting plant for raw material recycling of waste glass. In addition to the Redwave glass sorting machines, the scope of delivery also included metal separators, screening machines, crusher, an extraction system, as well as the associated conveying tech-

nology. The complete equipment was integrated in the existing building.

The integrated Redwave sorting machines play a significant part in the recycling of high-quality white glass, brown glass or mixed glass with no impurities. The first sorting stage is formed by Redwave 1300 C machines arranged in parallel for recovery of white glass or brown glass, as well for the separation of impurities. These sorting machines, in the three-way design, can realize both functions in a single sorting stage. In the second sorting stage, Redwave CS 1500 machines are utilized for the improvement in color and separation of impurities.

Germany leads Europe with market-driven recycling

There are roughly six billion active cell phones in the world. The International Telecommunications Union predicts that by 2014, there will be more in-use cell phones globally than there are people. This is already the reality in Germany where the population is 82 million and the number of active mobile phones is over 107 million.

Though strict recycling policies and consumer online services for mobile phone trade-in have been active in Germany for years, little more than five percent of the phones replaced by new purchases are refurbished or recycled. Phobio Germany seeks to promote the responsible and sustainable reuse of mobile devices by leading Europe in the area of incentivized mobile trade-in.

Phobio Germany is providing consumer trade-in services at the point-of-sale for retailers, which is a model that has been active and successful in the U.S. for few years. As most any economist knows, "the world runs on incentives," and there

are limits to the extent that mere goodwill can drive green initiatives. Phobio Germany has taken the best practices, software and procedures for incentivized device trade-in, based on Phobio North America's platform, and customized it for German retailers.

Through this trade-in model, retailers offer their customers immediate in-store credit for trading in their old handsets which will be refurbished or recycled. For retailers, the service increases store traffic and customer retention, creating the ideal opportunity for cross-selling.

One of Phobio Germany's most notable retail partners in this endeavor is Brodos AG, a distributor and retailer of telecommunication products. Brodos AG has a franchising system of major retailers, including the company's independent mobile chain my-eXtra, and supplies mobile phones and enhancements to about 5,000 European dealers, of which 1,000 are Germany based.

PLASTICS

ISRI issues policy on paper and plastic bags

The Institute of Scrap Recycling Industries (ISRI) recently released a policy on bans and fees for recyclable paper and plastic bags approved during a recent board meeting. The policy is in response to increased efforts across the country to ban or apply fees to bags for grocery shopping and other purposes without taking the impact on the recycling industry into account.

"ISRI members that recycle paper and plastic bags are quite concerned that policymakers are banning bags and creating fees without considering the real impact on recycling and the recycling industry. No matter how good the intentions, these policy discussions should not be made in a vacuum," said Robin Wiener, president of ISRI.

The recycling industry is a pivotal player in environmental protection and sustainability. In the U.S., approximately 77 percent of paper mills rely on recovered fiber to make some or all of their products thanks in part to recovered paper's significant cost and energy savings. Recycling one ton of paper saves 17 trees, 79 gallons of oil, 7,000 gallons of water, and 3.3 cubic yards of landfill space.

For additional details on ISRI's policy, view this article on www.AmericanRecycler.com.

CPI names finalists for innovation award

The Center for the Polyurethanes Industry (CPI) of the American Chemistry Council (ACC) named Romeo RIM, Inc., TSE Industries, Inc. and INVISTA as the finalists for the 2013 Polyurethane Innovation Award. Attendees at the 2013 Polyurethanes Technical Conference, which will take place September 23rd to 25th in Phoenix, will have the opportunity to vote for one of these finalists during the conference's opening session. The winner will be announced during the closing session on September 25.

The innovations selected as finalists for this year's award are:

•Romeo RIM, Inc. for its class A, in-mold decorated long fiber injection system.

"Long fiber injection (LFI) is a material system that combines structural foam polyurethane with long glass strands to create a light weight structural part. Due to the glass concentration, class A surface finishes were not feasible in the past. After three years of development, Romeo RIM has commercialized a class A LFI system that is decorated in-mold," said Romeo RIM, Inc.

•TSE Industries, Inc. for its new polyurethane thermoset resin for filament winding applications.

"TSE Industries Inc., Clearwater, Florida has pioneered the development of a new, high performance

polyurethane resin system for filament winding applications, like pipes and piping systems, tanks and pressure vessels," said TSE Industries, Inc.

•INVISTA Terate® Polyols for its new Terate HT polyols.

"Terate HT polyols from INVISTA are a new line of aromatic polyester polyols based on an innovative chemistry platform for use in polyurethane applications. Designed at a molecular level, Terate HT polyols offer performance advances while retaining many of the benefits of INVISTA's traditional Terate polyols such as high foam compressive strengths, high weight and volume retention in fire and smoke testing," said INVISTA Terate Polyols.

Award Selection

A panel of judges, comprised of experts representing technical disciplines and the polyurethane supply chain, evaluates all eligible submissions. Judges evaluate and score all entries based on impact on the polyurethanes industry, uniqueness of the innovation, quality of the science and societal impact. The three submissions with the highest scores were selected as finalists to be considered for the 2013 Polyurethane Innovation Award. Each finalist will prepare a poster describing the innovation which will be on display at the conference.

Each finalist will share a three-minute presentation detailing the uniqueness and impact of the innovation, along with the benefits it will bring to the industry and society during the opening session of the 2013 Polyurethanes Technical Conference. Each individual conference registrant attending the opening session may cast one vote for one finalist.

The finalist with the most votes from the audience will receive an additional 20 points to be added to the score from the judges. The innovation with the highest total score will be deemed the winner.

Eligibility

Award entries pertaining to a polyurethane product or polyurethane manufacture were required to relate to polyurethane chemistry, which is expressly defined as the reaction of an isocyanate with a polyol. Innovations in polyurethane chemistry may include finished products, initiatives, training or education programs, or processes or processing equipment.

All entries for the 2013 award were required to represent new innovations that have not been previously submitted for the Innovation Award and had not been available for commercial sales longer than 15 months prior to June 18, 2013.

For those of us who are getting a little older: God grant me the senility to forget the people I never liked anyway, the good fortune to run into the ones I do, and the eyesight to tell the difference...

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- JOHN DEERE 624-G (man)
- JOHN DEERE coupler, fits 544 H, J or K
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- KOMATSU WA 180-3
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ALTERNATIVE ENERGY

Xcel Energy to grow wind power by 30 percent

If approved, projects will bring wind supply to over 20 percent of energy mix

Xcel Energy proposes to significantly expand its wind power production to reduce customer costs and protect against rising, volatile fuel prices. The move is made possible by extremely competitive prices and the extended federal Production Tax Credit.

The company has submitted to state regulators throughout its service area proposals to purchase at least 1,500 megawatts of wind resources, a 30 percent increase in overall wind capacity. The wind power expansion, along with previous conservation, renewable energy and power plant improvement projects, also puts Xcel Energy on track to reduce its carbon emissions by 28 million tons, or more than 31 percent by 2020.

If the projects are approved, the company expects that more than 20 percent of its total energy mix will be supplied by wind.

Xcel Energy is seeking approval of the following projects from state regulators throughout its service territories:

•Upper Midwest: Three 200-megawatt projects in Minnesota and North Dakota, increasing the total to 2,400 megawatts. The additions will save Upper Midwest customers more than \$180 million in fuel costs over 20 years.

•Texas/New Mexico: Three projects totaling almost 700 megawatts located in New Mexico, Oklahoma and Texas, increasing the total to more than 2,200 megawatts. The additions will save Texas-New Mexico customers up to \$590 million in fuel costs over 20 years.

•Colorado: One project totaling approximately 200 megawatts, increasing the total to nearly 2,400 megawatts. The addition will save Colorado customers more than \$142 million in fuel costs over 20 years. The Colorado Public Utilities Commission will decide this fall on whether to approve another 350 megawatts of wind power.

Late last year Congress extended the PTC to projects that begin significant construction activities by the end of 2013. Xcel Energy supported the PTC extension and also supports the Consumer Renewable Credit, a proposed tax credit that would provide low-cost federal support of continued, cost-effective wind development such as the projects proposed in today's filing.

If approved by regulators, construction on the projects will begin immediately in order to qualify for the federal renewable energy tax credits. All projects are scheduled to be in service by the beginning of 2016.

Phoenix Solar to build solar electricity plant in Georgia

Phoenix Solar Inc. has signed a contract with Silicon Ranch Corporation to build a 38.6 megawatts solar plant called Simon Solar Farm in Georgia. Upon completion, the installation will be the largest utility-scale solar power facility in the state and the largest solar installation in the 14 year history of Phoenix Solar.

Construction, which has already begun at Simon Solar Farm outside Atlanta, is scheduled for completion by the end of 2013. Simon Solar Farm is expected to generate enough clean power every year to charge a fleet of 10,000 electric vehicles with enough electricity for each to be driven 20,000 miles.

Under the terms of the contract, Phoenix Solar Inc. will provide all engineering, procurement and construction services to Silicon Ranch to realize the ground-mount solar park on 161 acres at the Simon Solar Farm, about 30 miles east of Atlanta. Phoenix Solar will also provide long-term operations and maintenance

support for the solar park. Silicon Ranch closed its construction financing facility last month.

Georgia Power, the state's largest electrical utility, has agreed to buy the electricity generated from the solar park under a 20-year power purchase agreement (PPA) with Silicon Ranch. Silicon Ranch procured the first large scale solar PPA in December 2011 as part of the 50 megawatts solar purchase authorized by the Georgia Public Service Commission. Following the success of this initial solar procurement initiative, Georgia Power has since created the "Advanced Solar Initiative," a voluntary program initiated in 2012 aimed at purchasing 210 megawatts of additional solar generating capacity.

Phoenix Solar is deploying modules from JA Solar at the solar park, and will utilize SMA inverters and Unirac mounting systems. Site work has already begun at Simon Solar Farm, which was a cotton farm several decades ago.

WM opens 50th NG fueling station

Waste Management opened its 50th natural gas fueling station, a further move toward the company's sustainability goals of reducing its fleet emissions and increasing its fuel efficiency. At a ceremony in Jackson, Mississippi, state, county and local officials joined the company to dedicate the fueling station and the fleet, which will service routes in the communities in and around the city.

Of the company's 50 fueling stations across North America, 18 are accessible to the public. Waste Management owns the stations, purchases the fuel and funds their construction, a strategy that allows the company to secure competitive prices.

The company already operates more than 2,200 alternatively fueled vehicles with the largest fleet of natural gas collection trucks in North America.

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C&D

Asphalt industry leaders honored

The National Asphalt Pavement Association honored the winners and finalists of its 2012 Operational Excellence Awards.

The Operational Excellence Awards honor leaders in the asphalt pavement industry for innovation and excellence in marketing, communications and community outreach with the Community Involvement, Outstanding Brochure and Outstanding Website Awards. Companies also are lauded for their responsible practices with the Asphalt Operations Safety Innovations and Ecological Awards.

The 2012 winners are:

•Asphalt Operations Safety Innovations Award: The Lane Construction Corp., Cheshire, Connecticut.

•Community Involvement Award: MeadWestvaco Corp., North Charleston, South Carolina.

•Community Involvement Award: Tilcon New York Inc., Oldcastle Materials Co., Wharton, New Jersey.

•Ecological Award (New Plant): Lake-side Industries, Lacey, Washington.

•Ecological Award (New Plant): Tilcon New York, an Oldcastle Materials Co., Wharton, New Jersey, for Keasbey Asphalt Plant.

•Ecological Award (Existing Plant): Payne & Dolan Inc., Vienna, Wisconsin, for Vienna Control #6 Plant.

•Ecological Award (Existing Plant): S.T. Wooten Corp., Wilson, North Carolina, for Wilmington Asphalt Plant.

•Outstanding Brochure Award: Commercial Asphalt Co., Maple Grove, Minnesota and APAC Mid-South Inc., Oldcastle Materials Co., Birmingham, Alabama.

•Outstanding Website Award (Producer Member): Superior Paving, Gainesville, Virginia, for www.superiorpaving.net.

•Outstanding Website Award (Associate Member): Gray & Son Inc., Timonium, Maryland, for www.grayson.com.

•Outstanding Website Award (State Asphalt Pavement Association): Flexible Pavements of Ohio for www.flexiblepavements.org.

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WASTE

Infinitus Energy opens MRF in Alabama

New energy park will eliminate up to 85 percent of waste

Ground has been broken on a materials recovery facility (MRF) developed by Infinitus Energy for the Montgomery, Alabama community that will eliminate up to 85 percent of waste headed to the City's landfill. The Infinitus Renewable Energy Park (IREP) at Montgomery will be the first facility to combine several of the most technologically advanced systems available for waste recovery to create the most advanced integrated waste recovery facility in the country.

"The United States alone produced approximately 250 million tons of waste in 2010. The exponential increase in waste over time creates a sustainability crisis if we don't dramatically alter the current waste model," said Kyle Mowitz, CEO and founder of Infinitus Energy. "Infinitus Energy is delivering an economical 'big picture' solution to the multiple problems facing our world now and in the future to the city of Montgomery."

Construction of the 81,992 sq.ft. facility is expected to be complete and operational by June 30, 2014. Once the facility is operational, residents will place all trash in one city-issued bin, which will be collected by the Montgomery sanitation department, and taken to the Advanced Mixed Materials Recovery Facility at the

renewable energy park. There it will be separated using the latest in screening, air and optical separation technologies. The system sorts and recovers commodities such as cardboard, mixed paper, metals, aluminum cans, plastics and wood based on density, size, shape and material composition. Additional sorting will be done by hand at the site. The advanced technology allows the facility to accept a larger variety and volume of potentially recyclable products than other recycling methods.

"The beauty of this project is that residents don't have to do anything differently. All of the separation takes place at the MRF," said Mayor Todd Strange, "and the 25-year partnership the city has with Infinitus ensures that materials will be recycled."

"IREP at Montgomery will provide recovery rates not achievable by single stream recycling programs that rely on residents to sort trash themselves, which addresses the recycling needs of the community without additional capital investment from the city," Mowitz added. The project will significantly reduce the amount of waste in the city's North Montgomery Sanitary Landfill and extend its operational life by many years. The facility can process up to 225,000 tons of

waste per year and municipalities and commercial businesses within a 90-mile radius from the facility may also contract to process their waste at IREP to achieve aggressive recycling rates.

IREP at Montgomery sits on a 74-plus acre industrial site. The facility is pressurized and all waste is stored inside, thereby not emitting additional odor, contamination or noise to the area. The cost of the materials recovery facility is approximately \$35 million. The project will create approximately 110 local jobs.

Eugene, Oregon-based BHS designed, engineered and is manufacturing and installing the turnkey facility. In-Line Tri-Disc technology from BHS and In-Flight Sorting technology from Nashville-based NRT will provide separation efficiency and recovery rates. The facility will also feature air separation technology from Nihot, an Amsterdam company with more than 750 operational reference facilities throughout the world.

IREP is currently working with Zero Waste Energy, based in California, to install ZWE's Smartfarm technology of anaerobic digesters as Phase II of the project, enabling the system to convert organic waste sorted at the facility into compressed natural gas.

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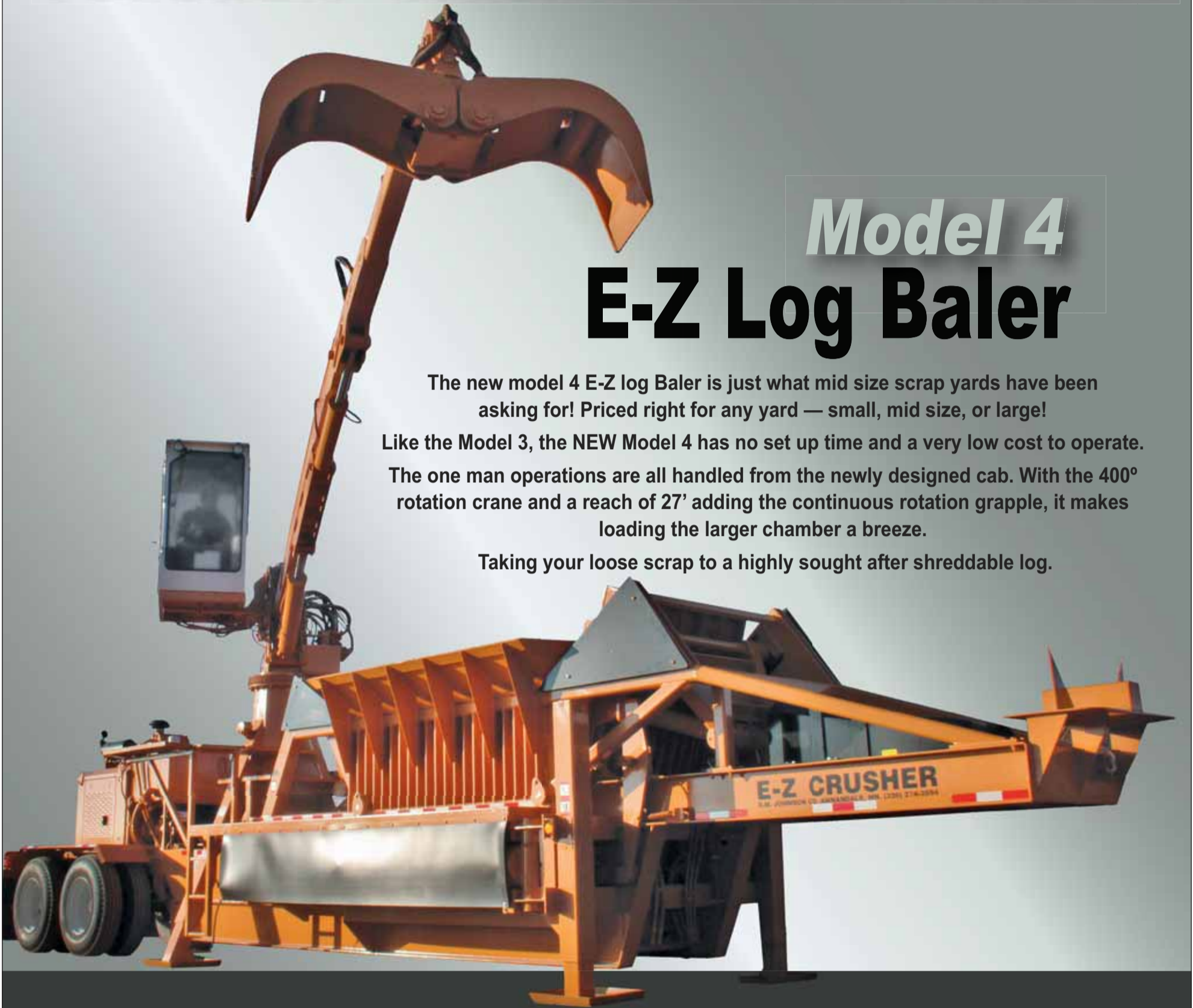
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METAL

Steel imports decrease 14 percent in June

Based on preliminary Census Bureau data, the American Iron and Steel Institute (AISI) reported that the U.S. imported a total of 2,442,000 net tons (NT) of steel in June, including 1,956,000 NT of finished steel (down 14 percent and 9 percent, respectively, versus May final data).

Year-to-date (YTD) total and finished steel imports are 15,714,000 and 12,351,000 NT, respectively, down 11 percent and 9 percent versus 2012. Annualized total and finished steel imports in 2013 would be 31.4 and 24.7 million NT, down 6 percent and 4 percent respectively versus 2012. Finished steel import market share was an estimated 23 percent in June and is estimated at 23 percent YTD.

Key finished steel products with a significant import increase in June 2013 compared to May are plates in coils (up 30 percent), mechanical tubing (up 18 percent) and hot rolled sheets (up 10 percent).

U.S. IMPORTS OF FINISHED STEEL MILL PRODUCTS BY COUNTRY OF ORIGIN (Thousands of Net Tons)					
	JUNE 2013	MAY 2013	2013 Annual (est)	2012 Annual	% Change 2013 Annual vs. 2012
SOUTH KOREA	234	281	3,504	3,651	-4.0%
JAPAN	129	169	1,911	1,931	-1.0%
CHINA	153	184	1,792	1,652	8.5%
TURKEY	99	171	1,479	1,347	9.8%
GERMANY	106	64	1,111	1,279	-13.1%
INDIA	38	85	733	762	-3.8%
TAIWAN	54	46	723	833	-13.2%
All Others	1,143	1,158	13,448	14,372	-6.4%
TOTAL	1,956	2,159	24,702	25,826	-4.4%

In June, the largest volumes of finished steel imports from offshore were all from Asia and Europe. They were from South Korea (234,000 NT, down 17 percent versus May final), China (153,000 NT, down 17 percent), Japan (129,000 NT, down 24 percent), Germany (106,000 NT, up 67 percent) and

Turkey (99,000 NT, down 42 percent). For six months of 2013, the largest offshore suppliers were South Korea (1,752,000 NT, down 7 percent), Japan (955,000 NT, down 5 percent), China (896,000 NT, up 11 percent), Turkey (740,000 NT, down 18 percent) and Germany (556,000 NT, down 13 percent).

Import permits down by 6 percent in July

Based on the Commerce Department's most recent Steel Import Monitoring and Analysis (SIMA) data, the American Iron and Steel Institute (AISI) reported that steel import permit applications for the month of July total 2,476,000 net tons (NT). This was a 6 percent decrease from the 2,626,000 permit tons recorded in June and 1 percent increase from June final imports.

Import permit tonnage for finished steel in July was 1,929,000, down 2 percent from the final imports total of 1,974,000 in June. For the first 7 months of 2013 (including July SIMA), total and finished steel imports were 18,208,000 NT and 14,298,000 NT, respectively.

Finished steel imports with large increases in July permits versus the June final included wire rods (up 74 percent), sheets and strip all other metallic coatings (up 31 percent), hot rolled sheets (up 27 percent) and hot rolled bars (up 15 percent). Products with significant year-to-date (YTD) increases versus the same period in 2012 include heavy structural shapes (up 25 percent), standard rail (up 18 percent) and tin plate (up 18 percent).

In July, the largest finished steel import permit applications for offshore countries were for South Korea (268,000 NT, up 12 percent from June final), China (155,000 NT up 1 percent), Japan (140,000 NT, up 6 percent) and Germany (90,000 NT, down 15 percent).

Novelis expands Brazilian facilities

Novelis opened its expanded aluminum rolling operations in Pindamonhangaba, Sao Paulo, Brazil. The expansion increases production capacity at the plant by more than 50 percent to greater than 600,000 metric tons of aluminum sheet per year.

The \$340 million investment represents the largest capital expansion by Novelis in South America in the past decade, strengthening the company's commitment


to the region. The expansion positions Novelis to meet growing market demand with state-of-the-art technologies designed to deliver the highest quality product to customers.

The expansion included the installation of a third cold rolling mill. In addition, the investment included a new ingot casting center as well as a new pusher furnace for the hot rolling mill.

Sims Metal sells aerospace sector


Sims Metal Management Limited disclosed the sale of its interest in Metal Management Aerospace, Inc., to ELG Utica Alloys.

Aerospace, based in Hartford, Connecticut was a subsidiary of the North America metals business, and was determined to be non-core due to the unique aspects of its processing capabilities.



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AUTOMOTIVE

General Motors improves sustainability

General Motors (GM) reaffirmed its commitment to further reduce the energy used and the environmental impacts of building and operating an automobile, detailing product goals and tracking progress toward its 2020 manufacturing priorities in its 2012 sustainability report.

The report covers energy, emissions, waste reduction and other areas that drive long-term sustainability.

Reducing energy used and emissions output in its plants, operations and products is important to customers and stakeholders, GM said in the report. The company's overall sustainability strategy creates value for customers through new technologies and lower operating costs, and improves the bottom line through revenue generation, cost savings and risk mitigation.

GM developed the following commitments to meet customer needs for efficient vehicles and significantly reduce the environmental impact of its products:

- Put 500,000 vehicles on the road in the U.S. with some form of electrification by 2017. GM's electrified vehicles currently include the extended-range electric Chevrolet Volt, Spark EV and Buick LaCrosse, Regal, Chevrolet Malibu and Impala with eAssist.

- Double the models that achieve 40-mpg highway or better by 2017, such as the Chevrolet Volt, Sonic and Cruze Eco, and the all-new Cadillac ELR and Chevrolet Spark EV and Cruze Clean Turbo Diesel.

- Reduce average U.S. fleet CO2 emissions 15 percent by 2016 and Opel/Vauxhall fleet CO2 emissions 27 percent by 2020.

GM bases its sustainability priorities on an assessment of the most pressing global economic, environmental and social issues facing the company's customers and the communities where GM does business. Both internal and external stakeholders identified product efficiency

and energy and emissions management of manufacturing operations among the most important for the company.

GM's energy management and renewable energy leadership helped reduce carbon intensity by 5.3 percent since 2010, making progress toward its 20 percent reduction commitment by 2020. In 2012, GM reduced 173,000 metric tons of CO2-equivalent emissions throughout its operations – equal to the carbon sequestered by more than 4.4 million newly planted trees in the first decade of growth.

The company uses more than 60 megawatts of solar, landfill gas and biomass energy at its facilities presently, about halfway to its 125 megawatt renewable energy goal. GM also reduced the amount of energy required to build one vehicle by 7 percent and avoided \$66 million in energy costs through conservation initiatives since 2010.

GM's landfill-free program continues to grow around the world and produce bottom-line benefits, with an industry-leading 105 facilities that recycle, reuse or convert to energy all waste from daily operations. By recycling and reusing 90 percent of its manufacturing waste worldwide, the company generates about \$1 billion in revenue annually. GM has reduced total waste 25 kilograms, or 55 lbs., per vehicle since 2010.

Ford utilizes sustainable materials

Ford is proving that pickups can be green as well as tough by adding rice hulls to the list of sustainable materials used to build their F-150.

Ford is using plastic reinforced with rice hulls – a byproduct of rice grain – in an electrical harness in the 2014 F-150. The company will need at least 45,000 lbs. of hulls in the first year.

The rice hulls are sourced from farms in Arkansas and will replace a talc-based reinforcement in a polypropylene composite made by RheTech, a Whitmore Lake, Michigan-based automotive supplier.

"We developed this resin specifically for Ford over the last three years, working with the automaker closely, including in all phases of material qualification," said David Preston, director of business development for RheTech.

Rice hull-reinforced plastic is the most recent example of Ford researchers and engineers using sustainable material whenever possible in the F-Series – without compromising toughness and durability.

For list of sustainable materials already utilized in the F-series trucks, view this article on www.AmericanRecycler.com.




Commodity		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
#1 Bushelings	per gross ton	\$313.00	\$324.00	\$349.00	\$375.00	\$380.00
#1 Bundles	per gross ton	313.00	324.00	349.00	374.00	375.00
Plate and Structural	per gross ton	310.00	324.00	375.00	376.00	380.00
#1 & 2 Mixed Steel	per gross ton	310.00	321.00	370.00	359.00	350.00
Shredder Bundles (tin)	per gross ton	285.00	298.00	295.00	349.00	298.00
Crushed Auto Bodies	per gross ton	285.00	298.00	295.00	349.00	298.00
Steel Turnings	per gross ton	190.00	205.00	220.00	230.00	245.00
#1 Copper	per pound	3.00	2.95	3.05	3.20	3.20
#2 Copper	per pound	2.90	2.83	2.91	3.00	3.07
Aluminum Cans	per pound	.58	.65	.68	.70	.70
Auto Radiators	per pound	2.10	1.98	2.16	2.15	2.19
Aluminum Core Radiators	per pound	.57	.59	.64	.69	.68
Heater Cores	per pound	1.91	1.90	1.55	1.50	1.84
Stainless Steel	per pound	.55	.58	.59	.68	.65

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KAR Auction makes offer of common stock

KAR Auction Services, Inc. declared the commencement of an underwritten offering of 15.0 million shares of its common stock by existing stockholder KAR Holdings II, LLC, subject to market and other conditions.

The offering will be made pursuant to the company's existing effective shelf registration statement on Form S-3 filed with the Securities and Exchange Commission.

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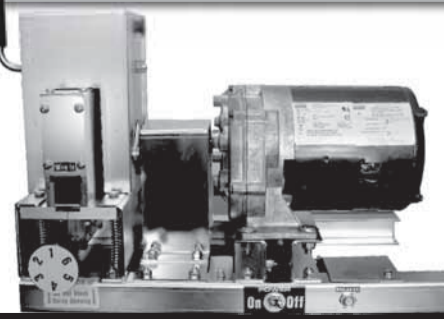
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ELECTRONICS

Ontario surpasses waste electronics reuse and recycling milestone

Ontarians have reached another electronic waste collection milestone. Since April 2009, more than 200,000 tons of electronic waste has been collected and successfully diverted from landfills across the province, greater than any other diversion program of its kind in Canada.

“Waste diversion is a hot topic in Ontario. As we look at new ways to manage end-of-life electronics, it’s important to recognize the success and momentum we’re experiencing in electronics recycling,” said Jonathan Spencer, executive director, Ontario Electronic Stewardship

(OES). “It took about 3 years to set up our province-wide network of drop-off centers, and then reach our e-waste collection target of 100,000 tons. With the help of Ontarians, municipalities and service providers, we recently surpassed the 200,000 tons mark in less than 18 months.”

- 75,702 tons of electronics diverted in 2012 – exceeding the target by 30 percent and 2011 results by 45 percent.

- 5.61 kilograms of waste electronics per capita collected.

- Cost per ton has been driven down 30 percent year-over-year in 2012.

- Since 2009, 201,697 tons collected is equivalent to 23,429 tractor-trailer loads of out-of-use electronics.

E-waste contains valuable materials like base and precious metals, but also plastics and glass that can be safely processed to reclaim them for reuse; to manufacture new products, including the electronics of the future.

OES monitors its network of contracted service providers-collectors, transporters and recyclers-to ensure they are held to rigorous environmental and worker health and safety standards and contractual obligations.

There is still work to be done towards even greater e-waste diversion. 90 percent of Ontarians have out-of-use electronic devices to dispose of and more than 1 in 4 admit they “haven’t gotten around to” disposing their old gadgets.

Call2Recycle to collect and recycle batteries in New York

Call2Recycle was approved as the first battery recycling plan in New York by the Department of Environmental Conservation (DEC). The New York State Rechargeable Battery Act, signed into law on December 10, 2010 by former Governor George Paterson, requires manufacturers of select rechargeable batteries to collect and recycle the batteries statewide in a manufacturer-funded program at no cost to consumers.

“Call2Recycle has served as the voluntary program in New York since 1996, and with this formal approval by the DEC, a shared responsibility approach to recycling batteries is confirmed. We look forward to continuing our efforts across the State,” said Carl Smith, chief executive officer & president of Call2Recycle.

In addition to the manufacturer-responsibility, it is illegal for any resident in the state of New York to dispose of rechargeable batteries in their regular household trash. Call2Recycle provides a network of collection locations throughout the state of New York, as well as nationwide, where residents can recycle their used rechargeable batteries at no cost. Retailers that sell rechargeable batteries are required to accept used rechargeable batteries from consumers during normal business hours, and post signs informing consumers that a program is available at their location.

SALVAGING Millions

by Ron Sturgeon
Autosalvageconsultant.com

Getting to yes with your banker

Learn from the tips in these continuing articles.

Tip No. 13 – Get an environmental report before you sell

An environmental report is required before most commercial real estate loans can take place. If you’re selling a piece of property, or just refinancing it, federal law may require you to get an environmental report called a Phase One. (In some cases, a Phase Two, which is more comprehensive, might be required.)

Once a report has been issued, any problems noted in it have to go through strict EPA remediation procedures before the loan can proceed, if it can proceed at all. That means lots of red tape and, you guessed it, additional expenses. Big expenses.

A better plan of action is to, independently, contact an environmental expert. You can find companies that do this type of work either online or in the phone book, or you can ask your friends to recommend companies they’ve used before. Whatever you do, don’t ask the bank, because you want an assessment that’s independent of the transaction. Once you’ve found that company, hire it to come out, walk the land with you, and point out what needs to be fixed.

After you have the inspector walk and show you potential issues, solve them, assuming they aren’t material. Do not ask for a written report. Now call a different inspector to do the phase one, or allow the bank to order it. You will be asked to furnish all reports concerning environmental matters and you can’t lie about material items, but you will be much more likely to get a clean report.

What is a clean report? The banker will most likely look at the executive summary, usually one page. It will either say no issues were found and no further action is recommended, or it will list issues. If that first page is clean, you are likely home free. The rest of the report is a lot of technical

gobbledygook. I am as environmentally sensitive as anyone and insist you should never lie about serious environmental matters, but you can improve your odds of not having trouble with some preemptive work.

Tip No. 14 – Ask the lender to sell your loan instead of paying it off

Instead of paying off a loan, ask the lender if it will sell the loan, which will minimize your costs if you are moving it or refinancing it with another lender. There are costs associated with every new loan. You have to get an environmental report, and a survey and you have to pay origination fees. You might also need to get another appraisal.

However, if the original lender sells the loan to a new lender, all of the protections afforded by underwriting automatically transfer with the loan. (Of course, the new lender is going to want to see all the documents before buying the loan.) The new lender is also protected from any additional liens that might have occurred since the first loan was made.

As a general rule, lenders don’t like to sell loans, because they don’t want to make it easy on clients to move the loans and as good businesspersons they want the maximum amount of interest they can earn. They want the income from that loan, so they make it hard for clients to move their business to a new lender. They’re not being mean; it just makes more sense for them, financially, to hold onto the loan.

In the most amicable of arrangements, or with a fee, many lenders will be willing to sell the loan to a new lender. This can be much less expensive for both the borrower and the new lender, even if the original lender charges a fee such as one month’s interest. If the original lender is going to lose the loan, it’s more palatable to at least get one month’s unearned interest as an incentive to sell it.

Remember, only you can make BUSINESS GREAT!

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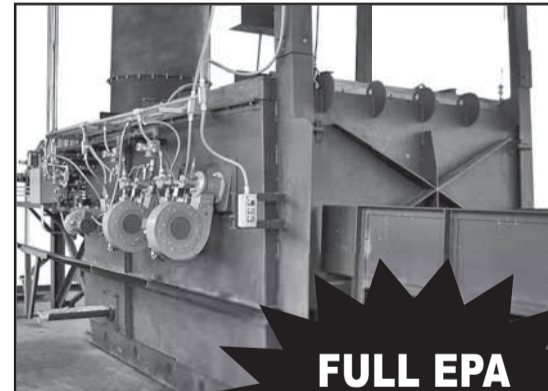
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ELECTRONICS

E-Waste Systems launches initiative

E-Waste Systems, Inc. (EWSI) launched its first project for the Caribbean to ensure full recycling and zero landfill of electronics waste.

"This Caribbean launch venture is designed to remove electronics from landfills across the islands for processing in Ohio. The first containers are to begin flowing in the 3rd Quarter of 2013. The local municipalities will supply containers at the site. This venture will provide local governments with revenue sharing," said Martin Nielson, founder and CEO of E-Waste Systems, Inc.

EWSI is launching this project beginning in Jamaica. EWSI will expand this opportunity to all major islands such as Puerto Rico, Virgin Islands, St. Lucia, Bermuda, Haiti and the Bahamas. Nielson added, "We have signed our first Memorandum of Understanding (MOU) and we are also inviting other local partners to join our enterprise to provide for jobs while we do the right thing for the environment."

The current predominant means of disposal is through open dumps, bringing health and environmental problems.

Part of the problem is discarded electronics, which has become one of the fastest growing segments of the municipal waste stream in more recent days.

Martin Nielson, founder and CEO of EWSI, stated, "It would be of great appeal for local Governments to approach the e-waste disposal through the high quality standards for our company whereby we can achieve a zero landfill accompanied by proper economic recovery."

Legislation threatens responsible recycling and American jobs, according to ISRI

The Institute of Scrap Recycling Industries (ISRI) called on Congress to support environmentally responsible recycling worldwide and to reject attempts to restrict legitimate trade of used electronic products (UEPs) with U.S. trade partners.

This follows the introduction of H.R. 2791 by Congressman Gene Green (TX-29). H.R. 2791 will negatively influence recycling efforts by undermining existing policies and initiatives, such as those proposed by the Obama Administration and the Interagency Task Force on Federal Electronics Stewardship, and will also violate international trade laws by unilaterally and arbitrarily banning exports.

"The recycling industry applauds the Coalition for American Electronics Reduction cycling (CAER) and Congressman Green for introducing legislation with the goal of advancing responsible electronics recycling, but like H.R. 2791's predecessors, the bill is fatally flawed," said Robin Wiener, president of ISRI. "This bill will do nothing to end irresponsible recycling, and further, will limit any opportunity to promote environmentally sound electronics recycling standards in other countries by perpetuating the outdated approach of identifying environmental risk based simply on geographic location rather than responsible operating practices.

"The determination of whether one can export UEPs to a given recycler or refurbisher should turn upon the basis of the receiving facilities' qualifications to handle the material in an environmentally-

sound and safe manner, not the arbitrary happenstance of whether the facility happens to be located in an OECD country, the EU or Lichtenstein."

The best way to accomplish responsible recycling globally and job creation is through strict enforcement of current laws – domestic and international; restrictions on the export of unprocessed, non-working UEPs to any country for the purpose of recycling, reuse or refurbishment; a ban on the export of UEPs for disposal; and the promotion of global trade in tested, working UEPs for reuse and commodity grade e-scrap for recycling by industrial consumers worldwide.

"We support shutting down bad actors that refuse to recycle responsibly, but we fundamentally disagree with the approach of H.R. 2791 and do not believe that onerous regulations based on misinformation, as clearly stated in the U.S. ITC report, will address the problem," said Lane Epperson, president and co-founder of HiTech Assets, Inc., an IT asset disposition provider in Oklahoma City, Oklahoma, and Memphis, Tennessee.

A March 2013 report on the export of UEPs by the U.S. International Trade Commission, as well as a recent green paper issued by the United Nations University, both discuss the significant positive changes in both U.S. and foreign practices involving electronics recycling and exports – including new recycling technologies, environmental, health and safety certification standards, and new regulations and

greater enforcement – since the initial NGO anecdotes on the informal sector were released more than 10 years ago, and should have never been relied upon.

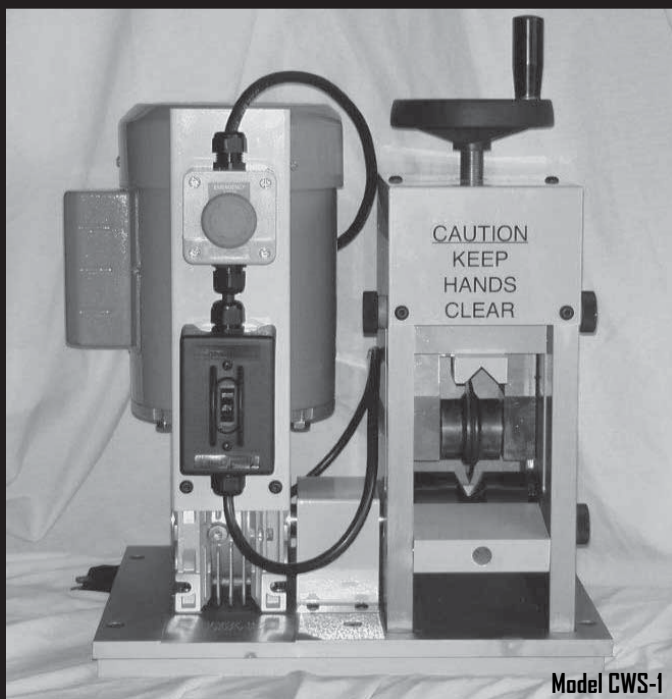
Unfortunately, H.R. 2791 does just that – it relies upon the false premise that up to 80 percent of UEPs collected in the U.S. are exported and dumped in non-OECD countries located outside the EU – a statistic unchanged and put forward by CAER and the Basel Action Network repeatedly before the earliest versions of H.R. 2791 were introduced back in 2009. In contrast, the ITC found that only 5.1 percent of all UEPs collected each year in the U.S. are currently at risk for improper recycling and disposal.

"The legislation relies on an outdated, disproven model that fails to reflect the reality of the present or future global market," said Joe Pickard, ISRI's chief economist. "Moreover, supporters of this bill are trying to fabricate jobs out of a market that simply does not exist. In reality, H.R. 2791 will actually reduce domestic competition and lead to job losses."

According to the report, "Assessment of Efforts to Restrict the Trade of Electronic Scrap on Electronic Scrap Recycling Industry Jobs and Exports," by John Dunham and Associates, many smaller firms would be forced out of business and workers let go should H.R. 2791 pass. As the findings state, a ban "will crowd out small existing businesses and inhibit the entry of newer businesses."

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BUSINESS BRIEFS

Progressive Waste Solutions adds new board member

■ Progressive Waste Solutions Ltd. has appointed William B. White to its board of directors. White will also be included as a nominee for shareholder consideration at the company's next annual general meeting in May 2014.

An experienced global business leader, White is currently a partner in CBW Associates, a Canadian business consulting firm. Previously, White served as president of DuPont Canada, retiring in 2008. He held a variety of global leadership roles in his 34 years with E.I. du Pont de Nemours and Company.

Prior to his 2006 appointment as president of DuPont Canada, White worked across DuPont leading businesses and programs focused on growth through marketing and sales transformation, the development of emerging markets, and step change business strategies. Prior to his appointment to lead DuPont Canada, he was director of business improvement at DuPont's headquarters in Wilmington, Delaware.

White is a graduate of Purdue University in West Lafayette, Indiana and chairs Purdue's Mechanical Engineering advisory committee. He serves on the board of directors of a number of organizations, including the Schulich Centre of Excellence in Responsible Business (York University) and the Sustainable Chemistry Alliance. He was previously on the board of directors of MaRS Discovery District, the Ontario Science Centre, Helix BioPharma and Afexa Life Sciences, where he also served as chairman.

Craft Equipment acquires American Waste Control

■ Craft Equipment Company, a Southern states regional material handling equipment, waste reduction and construction specialty equipment distributor, has acquired American Waste Control of Florida (AWC). The acquisition of AWC will further strengthen Craft's operations in the four southernmost counties of Florida, including Miami.

AWC was managed by John Sobota, president of AWC. AWC began operations in Florida in 1997 after relocating from New York. The company is known in South Florida for the sales, service and installation of all waste reduction equipment, including balers and compactors.

Sobota is now vice president of waste reduction company-wide for Craft Equipment Company.

Paladin Attachments hires new parts manager

■ Paladin Attachments recently hired David Garmenn to lead its new strategic initiative focusing on aftermarket parts and attachment specific maintenance kits. As the new parts manager, Garmenn will lead implementation of the new initiative. He will work closely with all internal departments including customer service, engineering and sales to enhance product support for Paladin.

Garmenn comes to Paladin with more than 20 years of aftermarket experience in internal engine parts for automotive, heavy-duty on-road, and heavy-duty diesel off-road construction applications.

Infinity Resources completes acquisition

■ Infinity Resources Holdings Corp. has acquired the remaining 50 percent of Quest Resource Management Group, LLC (Quest) not already owned by Infinity's wholly owned subsidiary Earth911, Inc. Earth911 has owned 50 percent of Quest since 2009 and had previously announced its intentions to acquire the remaining 50 percent of Quest. Consideration for the purchase of the remaining membership interests of Quest consisted of promissory notes for \$22 million and 22 million shares of Infinity common stock.

Brian Dick, chief executive officer of Quest, has been appointed as president and chief executive officer and as a director of Infinity. Jeff Forte, co-founder of Quest, will become a consultant to Infinity and was also appointed as a director of Infinity.

Barry Monheit, who has been Infinity's president and chief executive officer, will remain on Infinity's board of directors along with the other current members.

Komptech adds new dealer in Texas

■ Komptech USA, Inc has added Powerscreen Texas to their dealer lineup. Powerscreen Texas was established in July of 1978 in La Grange, Texas and is centrally located between Houston and Austin. Since 1966 Powerscreen has been the world's largest manufacturer of mobile screening, crushing and washing equipment. Powerscreen Texas is the authorized dealer for Texas, Louisiana, Arkansas and Oklahoma for both companies.

Myslicki joins Terex as regional sales manager

■ Terex Construction Americas welcomed Mike Myslicki as the Terex Fuchs product regional sales manager for the central U.S. region. In this role, Myslicki will have sales and distributor development responsibilities for the expansive line of Terex Fuchs purpose-built material handlers for the scrap, recycling, forestry and port markets in a territory that includes the states of Texas and Louisiana northward to North Dakota and Minnesota. Myslicki brings more than 20 years of varied experience, including previous sales responsibility for the Terex Fuchs material handler line.

Myslicki started early in his career as a license equipment operator. During his career, he took on roles of increasing responsibility, ultimately leading to vice president and general manager of the forestry products division of a multinational equipment manufacturer. Most recently, Myslicki managed the specialty products division of a large Midwestern heavy equipment distributor, in which his duties included sales and support responsibilities for material handlers.

Myslicki will work in a field-based office from within his territory to better respond to the needs of the distributors and customers in the central region.

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BUSINESS BRIEFS

Capital Scrap acquires Coastal Scrap in Florida

■ Deerfield Beach based Capital Scrap Metal, LLC has acquired Coastal Scrap Metal, an electronics recycler, located in Palm Beach, Florida. The 25,000 sq.ft. warehouse and retail facility will enable Capital Scrap Metal to expand its current market share in the south Florida region.

With this new acquisition, Capital Scrap Metal will now be able to purchase and warehouse large volumes of e-scrap, as well as ferrous and nonferrous scrap in Palm Beach County. Coastal Scrap Metal is a full service scrap metal dealer specializing in electronic scrap.

The site will include state of the art identification systems and state certified digital scales, as mandated by the new state of Florida scrap metal recycling laws.

Jason Kelley named Sandusky plant manager

■ Akro-Mils has named Jason Kelley plant manager for the company's Sandusky, Ohio facility. Kelley will report to Jeff Gervais, vice president and general manager of Akro-Mils and Jamco.

Prior to joining Akro-Mils, Kelley held positions at Tranter, Inc., in Wichita Falls, Texas and management positions at Rain Bird Corp. in Tucson, Arizona.

Morbark recognizes four of its top dealers with honors

■ Morbark, Inc. recognized four of its top dealers. Columbus Equipment Company was named Industrial Dealer of the Year for the second straight year, while Alexander Equipment Company, Nortrax Northeast, and Schmidt Equipment, Inc., earned Gold Tier Dealer status for their tree care products divisions.

Established in 1952 and known as "Ohio's Dependable Dealer," Columbus Equipment earned the Morbark Industrial Dealer of the Year Award for its 2012 sales of industrial equipment. Columbus Equipment operates in 10 locations in Ohio, and serves customers in Ohio, Indiana, Kentucky and West Virginia.

Morbark dealers are reviewed and scored annually on their customer service, business plan, equipment and parts sales, service and warranty process, marketing efforts, and much more. As a result of the 2012 review process, Alexander Equipment and Nortrax Northeast retained Tree Care Product Gold Dealer status while Schmidt Equipment earned its first Gold Tier ranking, marking these companies as exceptional in all aspects of customer support.

Metalico closes Segel & Son acquisition

■ Metalico, Inc. has closed its acquisition of the assets of Segel & Son, Inc., a family-owned scrap iron and metal recycling business for nearly 100 years with facilities in Warren, Pennsylvania and Olean, New York. Terms were not disclosed.

Eric C. Hern, president and chief executive officer of Segel & Son, will stay on with the new ownership. He will have primary responsibility for overseeing and growing the former Segel operations.

Metalico will operate the Segel facilities through its Goodman Services, Inc. subsidiary, which has locations in Bradford, Pennsylvania and Jamestown, New York. The company expects the acquisition to enhance its position along the border of New York's Southern Tier as an aggressive competitor for the region's scrap and to boost supply materials for Metalico's Buffalo shredder.

Upstate Shredding acquires Reamer Recycling

■ Upstate Shredding has acquired the assets of Reamer Recycling, previously known as Wallace Industries, a scrap leader in Ithaca, New York.

Bill Reamer, former owner of the company, will stay on to assist the incoming management team during the short transition period. He has owned Reamer Recycling Inc. for 12 years; recycling operations have been in existence at the Cherry Street location in Ithaca for more than 75 years.

The new Ithaca facility will be the second for the company in Ithaca, there is currently a new steel distribution center located at 132 Cherry Street.

Brian Alexson joins Verengo as head of sales

■ Verengo Inc. a residential solar specialist, has hired Brian Alexson as vice president of sales and development. Alexson will take over Verengo's national sales organization.

Alexson brings more than 25 years of successful leadership in sales, marketing and operations, with the last 22 years leading the executive-level sales and marketing for a series of billion dollar organizations including TruGreen Companies. Most recently, Alexson was the vice president of sales, marketing and customer service for E.L. Harvey recycling company. In his role at E.L. Harvey, he designed and established effective compensation, training and sales programs which increased revenues 27 percent in the first year.

ECO Plastics appoints new chief executive officer

■ ECO Plastics has appointed Chris Brown as its new chief executive officer. Brown, an industry veteran of more than 18 years, joined ECO Plastics from APPE UK. He will take over from the business' founder and former managing director Jonathan Short, who becomes deputy chairman. ECO Plastics' board is completed with the appointments of new chairman, Bill Reeves and chief financial officer, Darren Marr.

Under the new structure Brown will assume responsibility for ECO Plastics' day-to-day operations and management, while Short will step back to focus on the business' medium and long-term strategy.

Covanta acquires Camden Resource facility

■ Covanta Holding Corporation has acquired the Camden Resource Recovery Facility, a 1,050 ton-per-day energy-from-waste (EfW) facility in Camden, New Jersey from a subsidiary of Foster Wheeler AG. The transaction is expected to have a modest positive impact on Covanta's 2013 guidance metrics.

The Camden EfW facility provides sustainable waste management services to Camden County and surrounding communities while generating approximately 21 megawatts of renewable energy.

Murdoch joins SWANA's board of directors

■ Joe Murdoch, waste sector marketing lead and senior vice president at HDR, has been named to the Solid Waste Association of North America's International board of directors. Murdoch will serve as the consulting category director among the private sector directors on the board.

Seven private sector members sit on the board to represent different private sector views, including finance, services, consulting, sales, manufacturing, legal and materials recovery and diversion. These members help the board maintain a balanced view on municipal solid waste management. The individuals are elected to the positions by all SWANA private sector members, with three-year terms of office.

A long-time SWANA member, Murdoch recently served as director of the waste-to-energy technical division. He has 37 years of public and private sector environmental experience.

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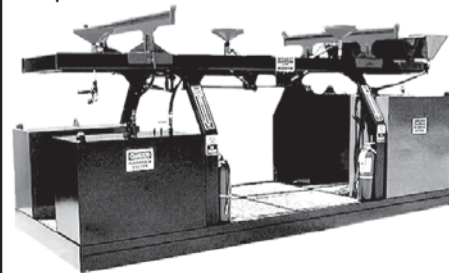
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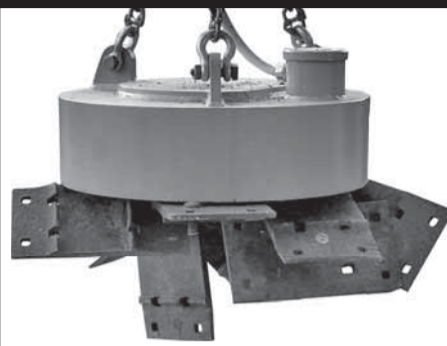
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States seek to keep landfills mattress free

by MARK HENRICKS

mhenricks@americanrecycler.com

A worn-out mattress can ruin a night's sleep and, when it's disposed of in a landfill, takes up 28 cubic feet of space. Mattresses are also far less easy to compact than most waste materials, making them a recurring headache in landfills, where they tend to float to the top over time. Yet 94 percent of the steel, wood, foam and other materials in a typical mattress can be recycled.

These factors are driving an emerging trend toward legislating the diversion of mattresses from solid waste streams headed to landfills. Connecticut passed the nation's first such law in May and was followed a month later by Rhode Island. California is possibly next, with many other states potentially to follow.

The initiatives, according to Christopher Hudgins, vice president for government relations and policy at the International Sleep Products Association (ISPA), were prompted by moves to pass mattress recycling legislation in some states beginning about three years ago. Those bills, in ISPA's view, placed burdensome requirements on mattress makers and retailers. To forestall the passage of these laws, the Alexandria, Virginia-based mattress manufacturers' trade group worked with policymakers and stakeholders to craft legislation that can serve as a model for other states.

So far the efforts have paid off in the two Eastern states, where legislation was passed and signed into law. California's Senate has approved a similar law that now must be presented through the House. Hudgins said all the laws are similar in that they set up a non-profit, non-governmental organization that will be supported by fees charged to mattress-buyers at the point of purchase. The mattress recycling group will use the fee revenue to contract with haulers and recyclers to gather and recycle old mattresses.

Mattresses contain wood, which can be processed into compost or burned for waste-to-energy projects. The springs are steel, which can be recycled into a variety of steel items. The rest, consisting of fabric and plastic foam, can be used for carpet underlayment and insulation.

Although they contain virtually all recyclable materials, mattresses are problematic for disposal. They tend to tangle up waste management machinery, and are bulky and difficult to transport. They are also tricky to disassemble, with much of it being done by hand. The combination makes mattresses unappealing for recycling, as costs tend to outweigh the value of recoverable materials.

ISPA hopes to change that by applying the point of purchase fee to help defray the costs of gathering, transport-



Mattresses are bulky and cumbersome, which makes them a challenge to recycle.

ing and recycling mattresses. The amount of the fees hasn't been set yet. That will be one of the first objectives of the organizations that will be set up in Connecticut and Rhode Island as well as, assuming the legislation passes in its current form, California.

He said the organizations in Connecticut and Rhode Island will be holding meetings and otherwise gathering input from recyclers and others in the coming months about the amount of the fee and other matters.

The basic idea is similar to recycling schemes for tires, batteries, paint and carpeting. One difference with some of these programs as set up in many states and the ISPA-developed approach is that with mattresses, the organization that collects and distributes money will

be a private non-profit entity as opposed to a governmental agency.

In order to participate in the mattress recycling systems that will be set up, Hudgins said recyclers and haulers and others should keep an eye out for bid requests from the mattress recycling organizations. Businesses that respond to these with winning bids will be compensated for gathering, transporting and recycling mattresses.

In addition to the added revenue from the fee, Hudgins said that recyclers will benefit from having a better-organized system for gathering old mattresses. "From an existing recycler's perspective, one of their biggest challenges is having a guaranteed volume of mattresses coming in the door," he said. "We believe building incoming volume will help sustain a lot more recyclers and encourage them to get into the market." That may be happening already. According to Hudgins, the prospect of the law's enactment in Connecticut has

See **MATTRESS LAWS**, Page 3



Each mattress can take up 28 cubic feet of valuable landfill space. However, up to 94 percent of each mattress is recyclable. To save that space, some states are legislating how these items may be disposed of.

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A Letter from the Editor

Readers,

The average salary of a legislator in both the House and Senate is \$174,000 per year. The average middle-class household, however, brings in an income of \$50,500 (in 2011). Back when Obamacare was still just a glint in our President's eye, we were promised many things, but chief among them were that premium prices would decrease under his proposed plan.

Why, then, are our lawmakers clamoring for the taxpayers to foot a portion of their healthcare costs? Now that healthcare premiums and costs are climbing steeply, Congress has asked for, and received, subsidies from the government towards their healthcare costs.

I don't know about you all, but I certainly don't make anywhere near \$174,000 per year. I'm also saddled with heaps of student loan debt in a stagnant jobs market, but I make enough that I won't qualify for an exemption or subsidy when it comes to the requirement that I purchase healthcare.

So where's my subsidy? Am I supposed to believe that individuals making six-figure salaries (not to mention whatever side jobs they may be running), can't bear the added cost of a plan under the Obamacare scheme? Since when is our nation divided into classes of individuals with separate laws and standards governing each?

Sticker-shock and hypocrisy aside, other side-effects of Obamacare are manifesting themselves. UPS has recently announced that it will no longer provide coverage for employee spouses due to rising costs. Clothing retailer Forever 21 has joined a host of fast food chains such as Subway, Wendy's and White Castle in cutting full time workers to part time hours in order to avoid the requirement that they insure 30+ hour per week employees.

Other large companies have howled that they're unable to meet Obamacare's employer mandate on time – and President Obama happily pushed back the implementation date of that critical part of the law. If one were cynical, one might suppose that he did so to avoid the worst of the fallout until after elections are over.

Far from curing our nation's healthcare woes, Obamacare has further complicated and burdened an already cumbersome medical system. I hope insurance is enough to salve the pains of a lighter wallet, and yet another government encroachment upon individual freedoms. Enjoy.



Dave Fournier
Focus Section Editor
david@americanrecycler.com

Consumer Watchdog files suit to block disposal of radioactive waste

After regulators failed to meet a 24 hour deadline set by public interest groups to stop Boeing from demolishing and disposing of radioactive waste at facilities not licensed to accept radioactive waste and at recycling plants, Consumer Watchdog and Strumwasser & Woocher LLP are filing suit against the Department of Toxic Substances Control (DTSC) and the Department of Public Health (DPH) to force their hand.

Radioactive debris from the Santa Susana Field Laboratory in Simi Valley has already been disposed in municipal landfills, hazardous waste landfills like Buttonwillow in Kern County, and at metal, concrete and asphalt recycling shops. Physicians for Social Responsibility-Los Angeles, Committee to Bridge the Gap and the Southern California Federation of Scientists also joined the suit.

The complaint filed alleges the continuing violation of the California Environmental Quality Act by Respondents because they have entirely failed to perform any of the required environmental review for the demolition of structures at Area IV of the Santa Susana Field Lab site prior to authorizing their demolition and disposal.

"Respondents have approved, without environmental review, the demolition and disposal of structures that are, by Boeing's own measurements, radiologically contaminated," the complaint said. "Worse, respondents are expressly approving Boeing's disposal of this radiologically contaminated waste offsite to toxic waste facilities that are neither licensed, nor

designed, to accept radiologic material. Many tons of these materials have even been sent to recycling facilities so that these radiologically active materials enter the commercial metal supply."

Consumers may be buying products or working in buildings tainted with the contamination. "It is paramount that the public be protected from toxic, and in this instance radioactive, harm," said Consumer Watchdog Liza Tucker. "If the state won't live up to its mission, we must force it to do so. People shouldn't be wearing radioactive belt buckles or working in radioactive office buildings."

Only licensed facilities with barriers to prevent any material from escaping for 500 years can accept low-level radioactive waste in California, which has no such facility. Hazardous waste facilities are not deep enough to safely contain radioactive waste.

The DTSC already approved the disposal of debris from six structures at the site. A nuclear reactor structure has also been demolished, but it is unclear if the debris has already been shipped off site. And the radiologically-contaminated plutonium fuel fabrication building structure awaits a decision. Four more radioactive structures also await decisions on disposal. Exposure to radioactive waste can cause cancer and genetic mutations.

"Plutonium 239 is by far the most dangerous radioisotope and one of the most toxic substances known," according to Dr. Robert Dodge, Board Member of Physicians for Social Responsibility-Los Angeles. "Once it circulates and deposits

throughout the body, it exposes the blood, kidneys, liver and spleen to its cancer-causing alpha particle emissions."

Consumer Watchdog revealed that regulators at the troubled DTSC and at DPH have been quietly allowing Boeing to demolish all of its radioactively-contaminated structures at the Santa Susana Field Laboratory (SSFL) site in Simi Valley and dispose of the debris at sites that are not licensed to receive low-level radioactive waste.

The US EPA has estimated that a person exposed to the levels of radiation that regulators and Boeing are using as radioactive release criteria could deliver a dose up to 45 millirem per year. That is equivalent to 22 additional chest x-rays per year and almost twice EPA's limits for public exposure from an operating nuclear plant, but it is what DTSC, DPH and Boeing have used to approve sending radioactive materials offsite, Tucker said.

A report delivered to state regulators asking them to cease and desist shows Boeing's own data analyzed in the report indicate structures already demolished were radioactively contaminated.

In April this year, at the DTSC's request, Boeing amended its procedures for building demolition to include radiological facilities and allow them for disposal in unlicensed sites. It gave the public no notice or opportunity to comment.

The DTSC performed no environmental review of the demolition and disposal plans in direct violation of the California Environmental Quality Act.

Recycling companies Gillibrand of Simi Valley, Kimco of Sun Valley, and Standard Industries of Ventura have received material from the SSFL nuclear site. Debris has also been shipped for disposal to the Buttonwillow hazardous waste landfill operated by Clean Harbors Inc. in Kern County, and to municipal or industrial waste landfills Azusa Land Reclamation, Lancaster Landfill and Hauling, and McKittrick Waste Landfill, according to Boeing's data. None of these facilities are licensed to accept radioactive waste.

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Mattress laws

Continued from Page 1

encouraged two new mattress recyclers to enter the state.

There are plenty of old mattresses to go around. The problem is getting them from their end-user consumers to the recycling facilities. Hudgins said about 38 to 40 million mattresses and box springs are sold in the U.S. each year, and the association believes about half that many are discarded. However, there are no reliable figures on how many of these mattresses are recycled, end up in landfills or are dumped on roadsides. One of the statewide mattress recycling organizations' requirements will be to gather data on how many mattresses are recycled, to help give an idea of the scope of the challenge and see how the new laws are doing in addressing it.

The legislation's passage in California is still up in the air. However, a spokesperson for Californians for Mattress Recycling, the organization ISPA set up to push its legislative aims in the state, said that no significant opposition has appeared to the bill on its passage through the state Senate. One key indicator is that ISPA, which organized to block passage of previous attempts to pass legislation it felt was undesirable, is behind this one.

Given California's size and position as a bellwether for policies in other states, it seems likely that more legisla-



Unfortunately, mattresses are not easily processed by many common recycling machines and methods. Therefore, much of the tear down and separation of recyclable components must be done by hand.

tures will be looking at mattress recycling laws if California enacts one. So will mattress recycling laws come to all states?

Hudgins said ISPA has already heard from people in other states besides the three frontrunners on this issue, inquiring about bringing similar laws to

the table in their states. "I definitely believe other states are going to look at this," he said. "We certainly expect it to spread to others."

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EQUIPMENT SPOTLIGHT

Waste Containers

by **MARY M. COX**

maryc@americanrecycler.com

Whether one is managing waste or recyclables, there is typically a need to contain material in some manner for ease of storage or transportation.

Containers made by E-Pak Manufacturing include but are not limited to applications such as garbage disposal, recyclables, construction/demolition debris, landscaping debris and materials, and light duty scrap hauling.

"Our waste roll-off containers are extremely versatile and we continue to



E-Pak Manufacturing, LLC

evolve in our manufacturing processes via our focus on quality, service and performance. Vertical integration in the manufacturing process has allowed us to engineer waste roll-off containers from the ground up. The result is a lightweight container with reinforcement in critical areas, which allows for maximum payload and longevity for the container. Typical capacities range from 10 to 40 yards, but can be custom built to meet specific applications. Products are available in tub style or rectangular, open top designs," said Kyle Schlabach, sales manager.

E-Pak began as a custom metal fabrication shop in 1981 and has evolved into a "premiere manufacturer of steel roll-off containers, trailers and hoppers, within the waste and scrap industries. The backbone of each product is the quality and workmanship we put into each item shipped from the factory. We continuously work with customers to answer questions, provide innovative solutions, and help develop products to meet their individual needs. Dedication to this process allows us to provide quick turnaround times and delivery. All of this, coupled with a competitive price, makes E-Pak a performance leader," Schlabach stated.

Otto Environmental Systems offers customers a full-circle approach in container activity management, whether for the solid waste or recycling industries. The firm manufactures, assembles, distributes, recycles, maintains and manages containers.

"We've noticed an uptick in activity surrounding single stream recycling, organic waste collection and material recovery facilities," Don Groseclose, vice president of product sales, commented.

Their most popular residential Edge container is available in 65 and 95 gallon sizes and is well-suited for recycling, organic and general waste streams. Groseclose said the 95 gallon Millennium product is convenient to load, increases visibility over the top of the cart, and is easy to control. The 35 gallon product is named Evolution and the Classic size container holds 32 gallons of material. Otto recycling bins are available in 14 and 18 gallon sizes. The 18 gallon option has a standard, black, snap-on lid made of HDPE plastic that is durable, yet lightweight.

Commercial container options include Otto's hybrid plastic and steel products, which work well with recycling, organic and general waste streams. The Pioneer is a two yard, front load type and weighs one third less than same size metal containers. The Triumph can be ordered in one to six, or eight yard sizes, and coated steel pocket guides are standard on all front load models for added protection during fork entry. The Steelite product offers two to four yard front load configurations and a two yard rear load type. All have a



Otto Environmental Systems

plastic molded body, surrounded by a steel frame. Specialty products are available for document security and medical waste and litter containment.

Otto also offers container services for the delivery, management and recycling of containers. This may include assistance with assembly, distribution and recovery, container logistics and maintenance, route auditing, inventory management, container rebranding and evaluation and even plastic recycling programs.

Otto manages residential cart fleets for municipalities and trash haulers. The cart management services encompass activities like assembly and distribution for cart roll-out projects, container maintenance programs, route auditing, and used cart reclaim and disposal. Otto's roll-out carts follow ANSI



Wastequip

requirements and pass all ANSI tests. "We are proud of our recently introduced ColorFUSE™ branding technology for cart bases and lids, which accommodates the use of multiple colors. This is perfect for customers who want to maintain their brand ID colors,

See SPOTLIGHT, Page 5

Manufacturer List

Ameri-Kart Corp
Doug Eck
800-533-2475
www.amkwastehandling.com

Bomac Carts
Melissa Dean
800-909-1147
www.bomaccarts.com

Busch Systems
Serena Brooks
800-565-9931
www.buschsystems.com

Cascade Cart Solutions
Gloria Reidt
800-968-2278
www.cascadecartsolutions.com

Conshohocken Steel Products
Shelly Brown
856-305-8999
www.consho.net

E-Pak Manufacturing, LLC
Kyle Schlabach
800-235-1632
www.epakmanufacturing.com

DURABAC
Penny Lamarre
800-565-1723
www.durabac.ca

Haul-All Equipment Ltd.
Twyla Gurr
888-428-5255
www.haulall.com

Otto Environmental Systems North America, Inc.
Chris Sauritch
704-315-0012
www.otto-usa.com

Par-Kan
Terry Hill
800-291-5487
www.par-kan.com

Rehrig Pacific Company
Bill Bloch
323-262-5145
www.rehrigpacific.com

Stone Valley Container
Steve Stoltzfus
814-667-2046
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T.M. Fitzgerald and Associates
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www.wastequip.com



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Spotlight

■Continued from Page 4

or who seek to stand out in a white foil world. Applications include: base stamps, lid stamps, lid labels (subject to graphics review) and barcoding," Groseclose noted.

Wastequip manufactures a variety of containers for many different industries and applications including front loads, rear loads, side loads, roll-offs, hoppers, scrap bins and environmental containers. "Few companies offer the breadth of products that Wastequip offers. In addition to our core products, we also design and manufacture specialty containers for organics, used food grease, hazardous waste, clothing recycling and more. Our dedicated product managers and engineers give us the expertise to customize containers for any application. Also, our multiple manufacturing facilities allow us to maintain inventory in strategic locations to quickly respond to customer needs," explained Amanda Maeyaert, product manager, containers.

As an example, she cited the uniqueness of their grease vault container, which has a patent-pending lid designed to reduce theft through the use of a grate with a shielded lock and a bolt-in design. The lid is also designed so there are no edges to be pried open. The container was developed with input from grease haulers who are experiencing increased thefts

as the demand for alternative fuels rises.

Wastequip products are used by waste haulers, municipalities, scrap processors, construction contractors, environmental remediation companies, manufacturers, grocery stores and retailers, among others. Their most popular containers are front loads, roll-offs and environmental containers. Formed in 1989 through a series of acquisitions, some of the companies acquired have been in business since 1945.

Maeyaert said, "We've seen tremendous growth in organics recycling as municipalities around the country continue to implement organic waste disposal regulations. Customers are looking for new and innovative solutions for handling organic waste and other recyclables. We're uniquely positioned to work directly with customers to modify existing product or to develop new solutions for any type of waste or recyclable, which sets us apart from smaller manufacturers."

She commented that Wastequip is also positioned to quickly respond to customer needs when natural disasters strike. "We have several container facilities throughout North America, which allows us to scale capacity quickly to provide priority production scheduling for customers who require roll-offs and other containers for clean-up following hurricanes, floods or other natural disasters," Maeyaert stated.

The other day I saw a young woman texting while driving. I was so angry with her complete disregard for the safety of the other drivers around her that I honked my horn, flashed my brights, rolled down my window and threw my beer at her.



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A Closer Look

by Donna Currie

Karl W. Schmidt & Assoc., Inc.

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Karl Schmidt came from Germany where he worked in the coal industry, according to Mike Buckli, the engineering manager for Karl W. Schmidt & Associates (KWS), the company that Schmidt founded about 35 years ago in Colorado. The company specializes in manufacturing conveyor systems.

A relative newcomer to KWS, Buckli came to the firm less than a year ago, after working with a group that sold engineering software. His expertise with new software and new engineering methods has helped modernize the engineering department at KWS, which is now using 3D modeling software to design products for customers.

Buckli said that revamping the engineering department had “a lot of unique challenges” but that implementing new strategies for engineering has made the department much more efficient. Now, designs are more modular than before, and the company is more flexible in what it can build.

While still focusing on conveyor systems, the company has built products for industries as varied as agriculture to aerospace, and has even built conveyor systems for carnival rides.

Much of its customer base is in the recycling industry, where KWS builds everything from small systems to large ones for hauling cars into shredders, and conveyors with either rubber belts or steel belts. Buckli said that the choice of belt material wasn't about what is better, but it's about what's better for handling a particular material. While steel belts make sense for moving cars to a shredder, a rubber belt would make more sense when handling wet materials.

With the improved efficiency, the company is looking at adding new types of products to its line in the next year or so. “We can design and build anything,” Buckli said. “We do job shop work.”

Besides building conveyor systems, the company has been working locally to build products designed for local businesses, including working with water treatment facilities. “If somebody has an idea or a concept, that's what we do.”

Another change is that engineers are no longer tied to their desks and are taking on more of a project management role. “We try to get people onto sites to see how things work and how they fit,” Buckli said that seeing the products being installed and working helps the engineering team improve what they do.

“The engineers are not working in a box,” Buckli said.

That constant improvement is important, since KWS offers a satisfaction guarantee to its customers. “We will always make it 100 percent right,” Buckli said, “at our expense.”

At any one time, the company might be managing a dozen different projects at once, and an engineer might be working on three different projects at the same time. Buckli said this also improves efficiency and produces a better product, because what an engineer learns on one project could apply to others he is working on at the same time – or for future projects.

Buckli said that KWS offers him unique opportunities “in a cool industry.” He said that the team is always coming up with new ideas and there is a lot of innovation and “lots of things you can try” right in the shop using technology rather than expensive parts and materials.

By working with virtual models, he said that a few engineers can do the same work that would take whole teams to accomplish in another facility.

“We have a really great atmosphere,” Buckli said, “where people aren't afraid to explore their options and ideas.” He said that he's found that even a small change in a system “can change the whole outcome.”

Every one of the conveyor systems KWS sends to its customers is a custom build in some way. Some parts are modules, but “we do custom hard-to-fit stuff” for many customers.

“We hardly ever put equipment into a new building with a flat floor,” Buckli said. Systems have to be built to fit the customers' material-handling needs as well as their available space. “It's a niche market,” he said of the company's willingness to design products for individual customers.

Most of KWS's products are trucked to customers, but the company has customers worldwide, “as far as anybody wants to send it,” Buckli said.

He said that the overseas market is very different than in the U.S. where automation makes obvious sense when labor costs are high. In areas where labor rates are low, it's harder for the customer to see the ROI for putting in a machine, even when it's obviously more efficient.

Buckli said that it can be a challenge to explain to customers how automation will save them money in the long run – but it's a challenge he enjoys. And at the same time, he sees that KWS's products are helping to keep materials out of landfills and turned back into useful products.

While the conveyor industry has been around for a long time, Buckli says they're going to be around for a lot longer, and he feels that for him, the industry is “what's exiting, what's cool – it's the right place to be.”

EPA screens 66,000 sites for renewable energy potential

The U.S. Environmental Protection Agency (EPA) updated its RE-Powering Mapping and Screening Tool, which will now provide preliminary screening results for renewable energy potential at 66,000, up from 24,000, contaminated lands, landfills and mine sites across the country. The RE-Powering America's Land Initiative, started by EPA in 2008, encourages development of renewable energy on potentially contaminated land, landfills and mine sites when it is aligned with the community's vision for the site.

“We see responsible renewable energy development on contaminated lands and landfills as a win-win-win for the nation, local communities and the environment,” said Mathy Stanislaus, assistant administrator for the Office of Solid Waste and Emergency Response. “In president Obama's Climate Action Plan, the administration set a goal to double renewable electricity generation by 2020. By identifying the renewable energy potential of contaminated sites across the country, these screening results are a good step toward meeting national renewable energy goals in order to address climate change, while also cleaning up and revitalizing contaminated lands in our communities.”

Pulling from EPA databases of potentially and formerly contaminated lands, as well as partnering with state agencies from California, Hawaii, Oregon, Pennsylvania, New Jersey, New York, West Virginia and Virginia, the RE-Powering Initiative expanded the universe of sites from 24,000 to more than 66,000 sites. Working in collaboration with the U.S. Department of Energy's National Renewable Energy Laboratory (NREL), RE-Powering developed screening criteria for solar, wind, biomass and geothermal potential at various levels of development. The sites are tracked by EPA and selected state agencies.

The updated screening provides insight into the significant potential for renewable energy generation on contaminated lands and landfills nationwide. For solar energy alone, EPA identified over 10,000 contaminated sites with the potential to install a 300-kilowatt solar array or greater. Based on mapped acreage, these sites could cumulatively host solar energy systems that capture greater than 30 times more solar energy than all renewable energy systems operating in the United States today.

The RE-Powering Initiative supports the transformation of liabilities into assets for surrounding communities. Since RE-Powering's inception, more than 70 renewable energy projects have been installed on contaminated lands or landfills. These early projects represent just over 200 MW of installed capacity, which could power approximately 30,000 homes, and provide a foundation for future development as demonstrations of the latest technologies in both renewable energy and remediation design.

For additional information, view this article on www.AmericanRecycler.com.

Events Calendar

September 15th-17th

Waste Conversion Technology Conference & Trade Show. Hyatt Regency Mission Bay, San Diego, California.

800-441-7949 • www.waste-to-fuels.org

September 17th-19th

WASTECON. Long Beach Convention Center, Long Beach, California.

800-467-9262 • www.wastecon.org

September 23rd-25th

23rd Annual ARC Conference & Trade Show. Best Western Inn of the Ozarks, Eureka Springs, Arizona.

866-290-1429 • www.recycleark.org

September 25th

Upper Peninsula Recycling Coalition Meeting. Bay West College Campus, Iron Mountain, Michigan. 906-786-9212 • www.uprecycles.com

October 13th-15th

Educational Conference on Litter Control & Solid Waste Management. Canaan Valley Resort, Davis, West Virginia.

304-926-0448 • www.awswa.com

October 29th-30th

NERC Fall Conference. Hotel Northampton, Northampton, West Virginia.

802-254-3636 • www.nerc.org

November 6th-9th

ARA 70th Annual Convention & Expo. Sheraton Downtown & Convention Center, Phoenix, Arizona.

888-385-1005 • www.a-r-a.org

November 7th-8th

The 6th Asphalt Shingle Recycling Forum. Westin Denver Downtown, Denver.

630-585-7530 • www.shinglerecycling.org

November 20th-21st

Canadian Waste & Recycling Expo. Palais des Congres de Montreal, Montreal, QC, Canada. 770-984-8016 • www.canadian-waste-recycling-expo-us.messefrankfurt.com

EQ EQUIPMENT SPOTLIGHT

To be included in the spotlight, you must manufacture the equipment featured. We require a company name, contact person, telephone number and, if applicable, a website address.

To be listed in the appropriate spotlight, please call 877-777-0737.

UPCOMING TOPICS

10/13	Conveyors
11/13	Crushed Car Haulers
12/13	Metal Balers
01/14	Wood Chippers/Grinders

American Recycler is not responsible for non-inclusion of manufacturers and their equipment. Manufacturers are to contact American Recycler to ensure their company is listed in the Equipment Spotlight.

Progressive Waste Solutions encourages dumpster diving

Progressive Waste Solutions (formerly IESI Corporation) helped North Texans beat the summer heat as “Heat Wave” sponsor for a community event in Dallas’ Design District.

Progressive Waste Solutions provided a one-of-a-kind double dumpster pool designed specifically for Design District Market at Dallas Contemporary in August.

As temperatures topped 100° at the indoor/outdoor all-day event, the most popular attraction was the Progressive Waste Solutions Double Dumpster Pool. Guests enjoyed live music from local bands as they chilled out in the pool, made from two 20-yard commercial containers joined in an L-shape by a swim-up bar and complete with a pool deck, lounge area, lifeguard stations and a full-filtration system. Custom liners were installed in the pool, and holes were drilled in the walls of the containers for umbrellas. The Dallas Fire Department tapped into a nearby hydrant to fill each dumpster. In keeping with the event’s artistic focus, Progressive Waste Solutions partnered with Dallas street art collective Sour Grapes and local artist Sharon van Antwerpen to paint the pool with a creative version of the company’s logo. Cutting Edge Pool and Patio of Anna, Texas, built the pool.

The concept of the Double Dumpster Pool created a wave of positive media coverage for Progressive Waste



Progressive Waste Solutions' pool was made from two 20-yard containers specially outfitted for summer fun. A full filtration system kept divers and dumpster water clean, while umbrellas kept swimmers shaded.

Solutions, with the Dallas Observer calling it “the classiest dumpster you’ll ever dive in” and the Dallas Morning News running a large photo of the

logged pool under the headline “Dumpster Diving in the Design District.”

“The Dumpster pool was a creative – and cool – way to support an

important local arts program,” said John Gustafson, vice president of Progressive Waste’s south central region.

Connecticut company pays for hazardous waste violations

The owner of Meriden Enterprise Center has agreed to pay a penalty of \$52,500 to settle EPA claims that it violated federal regulations covering the disposal requirements for polychlorinated biphenyls (PCBs).

290 Pratt Street, LLC owns the Meriden Enterprise Center facility in Meriden, Connecticut. The EPA alleged that in June 2010, PCBs were discovered to have leaked from transformers and to have contaminated soil and concrete areas at the Meriden Enterprise Center. The release prompted EPA and the Connecticut Department

of Energy and Environmental Protection to require that the PCBs be cleaned up in accordance with PCB regulations under the Toxic Substances and Control Act and in accordance with Connecticut law. Under the terms of the agreement, 290 Pratt Street, LLC will promptly complete any remaining PCB clean up requirements.

PCBs are persistent in the environment and are suspected carcinogens. Exposure to PCBs can cause effects on the immune system, the reproductive system, the nervous system and the endocrine system.

An artist received a call from the gallery that was displaying his work. The gallery owner said, “I have good news and bad news. A fellow came in this morning and asked if your work is the kind that would increase in value after the artist’s death. I said yes, and he bought all 15 paintings. The bad news is that he’s your doctor.”

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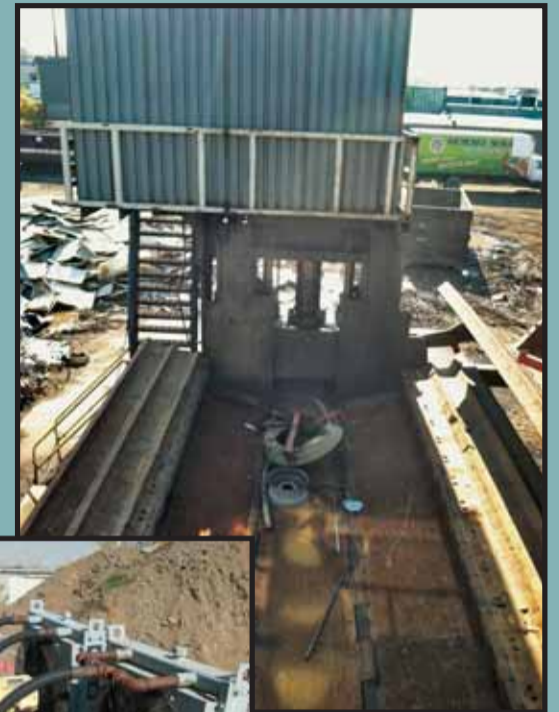
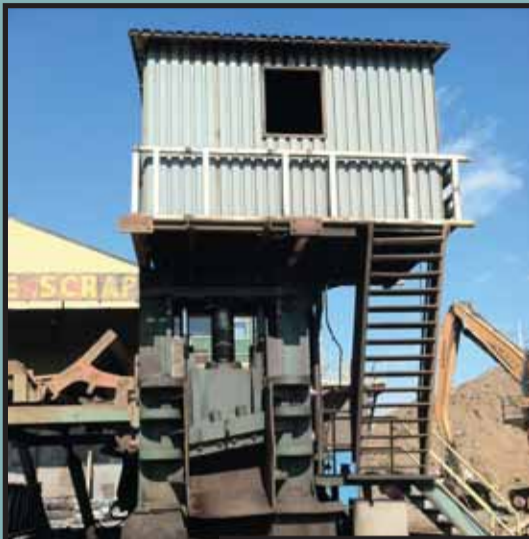
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