

Connector

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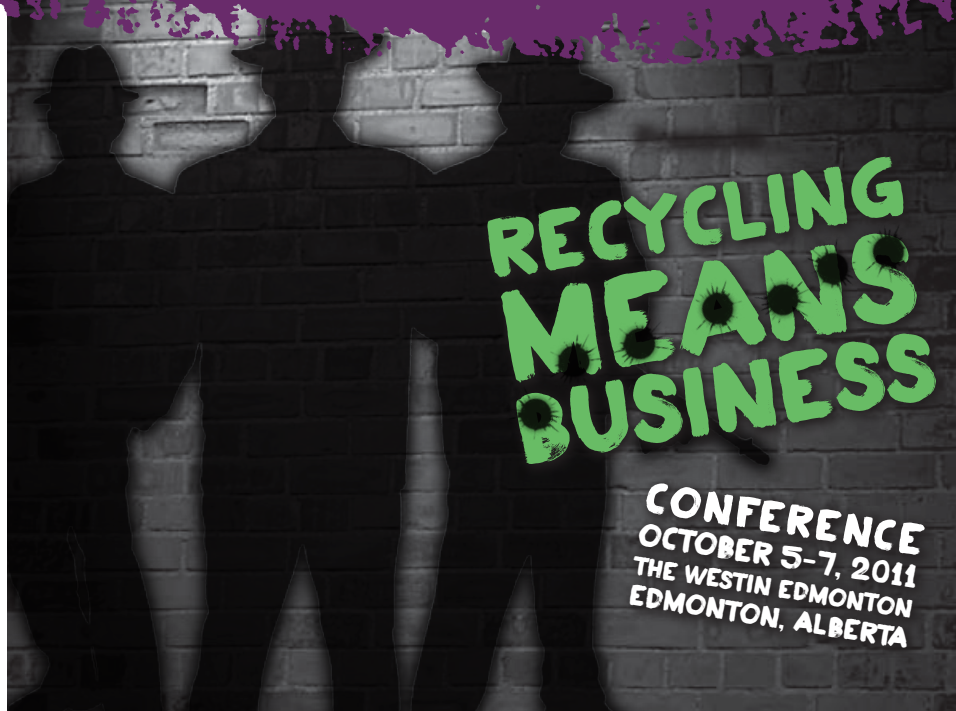
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*Recycling Council
of Alberta*

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Recyclers Mean Business

Waste reduction advocates from across the country will converge on the Westin Hotel in Edmonton, Alberta, October 5-7, to participate in the RCA's annual waste reduction conference "Recycling Means Business".

With an unprecedented choice of seminars, tours, technical sessions and networking opportunities, this year's event is shaping up to be hugely successful by anyone's standards. For a full technical program, visit our website at www.recycle.ab.ca/conference.

The conference title's play on words led to the resulting mobster theme that carries over from the conference website to the gala banquet and even session names, showing the fun element that the RCA's events have become famous for. Conference organizers hope that everyone gets into the spirit of things by sporting their best gangster garb for the Thursday evening banquet. Participating is not only fun, but potentially profitable, as the best costume will be awarded a free registration to next year's conference.

Recycling Means Business truly offers something for everyone in the industry, including 25 technical speakers, two seminars, four tour choices, awards and presentations, a golf tournament, and numerous other social events.

So, grab your fedora and meet us in Edmonton at "Recycling Means Business".

Connector

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RCA Call for Directors

Do you think more needs to be done to reduce waste?
Would you like to influence recycling policy in Alberta?
Do you get inspired working with other
enthusiastic people on meaningful
resource conservation-related projects?
Then the Recycling Council of Alberta
needs you!

If you want to be part of Alberta's
strongest waste reduction voice, the RCA is looking
for individuals like you who bring strong skills and
a history in the recycling industry, and are interested
in joining our Board of Directors. Download a
description of what's involved in being a RCA director here.

Directors of the Board for the 2011/2012 term will be elected at
the RCA's Annual General Meeting on October 6, 2011 in Edmonton.

Interested individuals should contact Jason London (President)
at jlondon@bcmab.ab.ca, Sarah MacDonald (Vice President)
at sarah@greencalgary.org, or the RCA office at 403.843.6563
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Ray Anderson – Vision and Inspiration

Business mogul and environmental champion – not many individuals encompass both these qualities, but Ray Anderson was the personification of both.

After reading Paul Hawken's *Ecology of Commerce* in 1994, Ray faced an epiphany that led him to a lifetime commitment to sustainability and to the transformation of his company's operations. Under his leadership, the carpet company he founded in 1973, Interface, set forth on "Mission Zero" – aiming for zero waste, zero impact, and zero footprint by 2020. For Interface, Anderson said, sustainability meant "eventually operating our petroleum-intensive company in such a way as to take from the earth only what can be renewed by the earth naturally and rapidly, not another fresh drop of oil, and to do no harm to the biosphere. Take nothing. Do no harm."

Those of us lucky enough to have heard Ray speak at one or more of his many engagements around the world got the sense of just how committed and humble this great man was. To refer to him as inspirational is beyond an understatement. Perhaps his greatest



accomplishment, though, was his ability to convince other business leaders to embrace environmental ethics.

Ray proposed a new formula for Environmental Impact, as follows:

$$I = \frac{P \times a}{T \times H}$$

Where,

I = Environmental Impact

P = Population

a = Affluence

T = Future Technology

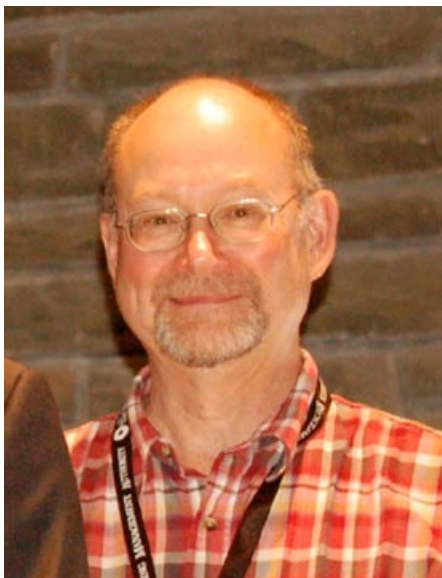
H = Happiness (more with less stuff)

This proposed equation moves technology to the denominator, along with happiness, suggesting a new paradigm of environmental business.

For anyone who was not fortunate to have heard Ray speak in person, I urge you to watch his TED talk at <http://bit.ly/18Q16t>

I assure you it will inspire you to continue the climb up "Mount Sustainability".

Recycling Community Says Farewell to Long-Time Friend



Those in the Alberta recycling industry were saddened by the loss of Ross Boutillier, long-time recycling advocate, employee of the City of Edmonton, and RCA Board member. Ross is fondly remembered for his razor-sharp wit, humility and strong sense of justice. Ross contributed greatly to the success of the RCA over the years, offering words of wisdom and sage advice during the organization's most challenging policy discussions. We will greatly miss having Ross at the table as a mentor and advocate for the environment.

Rest well, my friend – you will not be forgotten.

Think Green Success Story

Feature sponsored by



PepsiCo Unveils Canada's First 100% Recycled PET Soft Drink Bottle

Building on its journey to become a leader in innovation and environmental sustainability, PepsiCo Beverages Canada today announced the introduction of the 7UP EcoGreen™ bottle, Canada's – and North America's – first soft drink bottle made from 100% recycled PET plastic.

The development of the 7UP EcoGreen™ bottle is a significant achievement for PepsiCo and a breakthrough for the Canadian beverage sector because the company has identified a way to couple existing technology with the best sources of recycled PET plastic and best-in-class processing techniques to produce a 100% recycled PET, food-grade bottle that meets all regulatory requirements and is of the highest quality. Creating a bottle made from 100% recycled plastic for soft drinks is more challenging than creating a bottle for non-carbonated beverages because of the stress on materials from carbonation pressure.

By introducing the 7UP EcoGreen™ bottle in Canada, PepsiCo Beverages Canada will reduce the amount of virgin plastic used by approximately six million pounds over the course of one year. Studies published by the Association for Post-Consumer Plastic Recyclers in 2010, estimate this reduced use of virgin plastic leads to a reduction of more than 30% in greenhouse gas emissions and more than 55% in energy use, based on current 7UP production levels.

The 7UP EcoGreen™ bottle will be available across all 7UP and Diet 7UP package sizes beginning in early August, and will look and feel like any other PET plastic soft drink bottle.

The bottle will be produced in multiple PepsiCo manufacturing facilities across Canada. The company invested \$1 million in production enhancements in its facilities, including resin handling systems and

inspection systems. Although there will be an incremental cost to produce the 7UP EcoGreen™ bottle, PepsiCo Beverages Canada plans to price 7UP beverages on par with other soft drink brands.

PepsiCo Beverages Canada's long-term plan is to increase the use of bottles made from 100% recycled plastic. Currently, PepsiCo leads the industry by incorporating an average of 10% recycled PET in its primary soft drink bottles in Canada and the US.

With this announcement, PepsiCo reinforces its steadfast commitment to Performance with Purpose and finding innovative sustainable packaging solutions. To drive progress against the company's goal of rethinking the way that it grows, sources, creates, packages and delivers its products to minimize the impact on land, PepsiCo adheres to the following guideposts for sustainable packaging:

- Reduce: Optimize the amount of packaging required through light weighting and minimizing the use of secondary and transport packaging.
- Reuse: Reuse packaging materials and components.
- Recycle: Design packaging to be recyclable, use recycled content in our packaging and promote responsible recycling practices.
- Renew: Leverage packaging materials derived from renewable sources.



Do you have a Waste Reduction Success Story?

Submit details on your successful business or municipal program to info@recycle.ab.ca, fax 403.843.4156 or phone 403.843.6563 for further details.

A Thought on Stewardship

by Christina Seidel

I was lucky enough to spend two days in Lake O'Hara recently with my family, and the experience caused me to reflect on the meaning of stewardship, among other things.

For anyone who hasn't been, Lake O'Hara may well be the most beautiful spot in the Rockies, which is a lot to say for a region that boasts so many stunningly beautiful locations. It is a bit harder to get to than the average tourist destination, as you need to either book well ahead to catch the (old school) bus, or hike the 11 km road just to get to the starting point of the rest of your experience. This fact may contribute to the type of people who frequent the area, since no private vehicles or tour buses are allowed. But, regardless of the reason, the obvious desire of people to protect and care for this hidden jewel becomes apparent from your first arrival.

After two full days of hiking and climbing mountain trails, and relaxing around the fire at the rustic campground, we were amazed to recognize that we had



not seen one piece of garbage anywhere. No granola bar wrappers, no errant water bottles, and yes – not even a single plastic bag. Granted, there are only a couple of hundred people visiting Lake O'Hara at any one time, but when is the last time you went anywhere without being frustrated by people's lack of adherence to the garbage

rules? Doesn't anyone even accidentally drop a container or wrapper? Apparently not in Lake O'Hara.

Perhaps the sheer beauty of the landscape simply prompts a deep-seated respect for nature that precludes any irresponsible acts such as littering. Whatever the reason, it is this ethic that we need to tap into more on a daily basis to encourage people to behave responsibly with their waste.

So, here is the challenge to you social marketing gurus. How do we impart a true sense of stewardship in our public psyches to protect our natural environment in all aspects of our daily lives? Lake O'Hara may have some clues to offer.



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2011 Waste Reduction Week Ease My Load Campaign

Hi! My name is Atlas. Since the beginning of time I have been holding planet Earth up in the heavens. For the first 4.5 billion years, it was a breeze. In the past century, however, the weight of my load has been steadily increasing and it's getting harder and harder to carry the Earth. According to the latest figures, Canadians are creating 1031 kg of waste per person each year. Over 75% of this waste is just piling up in landfills all over the country. If every Canadian took just one significant action to reduce their waste, my heavy load would be greatly eased.

Please, I need your help! I know you want to do the right thing by reducing the amount of waste you produce. Let's show the rest of the world that Canadians care about the Earth. Cut out my picture and include me in a photo of your waste reduction activity. If you're not camera-shy, join me in the photo. Give your photo a descriptive title and send it to the folks at Waste Reduction Week in Canada (WRW) to show your support for the EASE MY LOAD campaign. Your waste reduction activity photo will be posted online. Some examples of waste reduction activities being undertaken by Canadians are shown below:



Composting our lunchroom waste



We recycle our paper!

In addition, WRW will be tracking the amount of waste that is being diverted through the activities showcased in the submitted photos on their online "No Waste Meter".

Count yourself in and help EASE MY LOAD!

We'd love to hear about what Albertans are planning to do for WRW, so email us at wrw@recycle.ab.ca

Waste Reduction Week would not be possible without the generous support of our provincial sponsors.

A great big THANK YOU goes out to:



ICI Waste Diversion in Calgary

by Jennifer Koole

What does the waste generated by a night club, a nursery school, and a tool and die factory, have in common? As it turns out, not a lot, yet all are considered industrial, commercial and institutional (or ICI) waste. How do we know it doesn't have a lot in common? Well, because we checked. And just what are we going to do about it? Well, read on.

The City of Calgary (and CH2M Hill) recently completed a Waste Composition Study that included a look at the ICI waste generated in the city. Surprisingly, 50% of the waste entering our landfills comes from non-residential and multi-family sources! The study went on to use a waste generation model (KE-WAM, Kelleher Environmental) and the Statistics Canada employment data for Calgary to produce a snapshot of ICI waste in Calgary. Here's what the model told us:

- The top waste generating sectors include accommodation and food services, retail trade, health care and social assistance, and manufacturing,
- Together, the top four generating sectors contribute up to 50% of the total ICI waste stream,
- And, as disposed, the ICI waste stream consists of:
 - 36% Paper and fibre products
 - 26% Food and Yard Waste
 - 9 % Plastic
 - 8% Metal
 - 7% Wood (mainly pallets)
 - 3% Glass
 - 11% Other

Armed with this information and still committed to Calgary's 80% diversion goal by the year 2020, we concluded that the ICI waste stream needs to be addressed. The good news is that by targeting a few sectors (i.e., the top four generators) and a few materials (i.e., paper and organics) we should be able to make a big impact on waste reduction, but how?

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A cursory survey of ICI stakeholders in Calgary showed that while many have already begun some great diversion programs, we collectively need to do more. Some challenges include a lack of processing capacity for both comingled recycling and organics in Calgary, a lack of space for diversion infrastructure at the point of waste generation, and a lack of policy and regulations for ICI waste in the city and/or the province.

Taking all of this into account, The City of Calgary intends to produce an ICI Waste Diversion Strategy by December 2013 that will include input from an extensive stakeholder engagement process. We're getting set to delve into the divergent world of ICI waste because, when it comes to our 80% waste diversion goal, we mean business.

Learn more about the City of Calgary's ICI Waste Diversion Strategy at the RCA Conference "Recycling Means Business" October 5-7, 2011 in Edmonton.

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CANADIAN NEWS

Albertans Called On to Recycle Used Cell Phones

The Government of Alberta and the Canadian Wireless Telecommunications Association have signed a memorandum of understanding to increase the recycling of used mobile phone devices. Currently, 15% of cell phones in Alberta are collected for recycling. The MoU signed on June 10 is expected to increase that figure to 37% by 2015. For each device returned through the program, a donation will also be made to participating charities, including the World Wildlife Fund, Tree Canada and Food Banks Canada.

The Recycle My Cell website contains information on how to recycle used cell phones, and includes a list of 574 drop-off locations in 78 communities across Alberta. Once collected, used cell phones and equipment are refurbished or recycled to create other products.

The goal of the Recycle My Cell program is to raise awareness about the importance of cell phone recycling and to keep handsets from entering Canada's landfills. This free program is organized by the Canadian Wireless Telecommunications Association (CWTA) in conjunction with cell phone service providers, handset manufacturers and recycling companies.

Drop-off centres can be found online at www.recyclemycell.ca or by calling 1.888.797.1740. Alternatively, Albertans can mail mobile devices for recycling at no cost using a prepaid shipping label. To ensure personal data is kept private, visit the website for instructions to clear the mobile device before dropping it off for recycling.

Source: AENV Press Release



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Recycling in Alberta Remains a Well-Oiled Machine

A milestone was reached in early June 2011. One billion litres of used lubricating oil have now been diverted from landfills and sewers in Alberta, thanks to a program that began in 1997. That's the equivalent of more than 29,000 tanker trucks, spanning Highway 2 from Edmonton to Calgary and back.

In addition to used oil, almost 85 million used oil filters and more than 20 million kilograms of used plastic oil containers have been recycled. Used oil is turned into fuel for industrial burners, re-refined into lubricating oil, or used as base stock for other industrial applications. Containers and filters end up as construction material such as rebar, clean pelletized feedstock for new plastic products, or oily plastic flake for fence posts and railroad ties. In Alberta, 87% of used oil, 89% of used oil filters and 87% of used oil plastic containers are recycled.

For more information, please visit www.usedoilrecycling.com.

Incandescent Ban to Stay in BC, Delayed Nationally

British Columbia's ban on certain types of incandescent light bulbs will remain in place despite news Ottawa is getting set to postpone a set of similar federal restrictions. This past January, the BC government implemented a ban on 75W and 100W incandescent bulbs. The only province in Canada that has a ban on incandescent bulbs, BC plans to introduce similar restrictions on 40W and 60W incandescent bulbs starting Dec. 31, 2012.

The federal government proposed delaying the start of a proposed national ban by two years. Instead of getting rid of 100W and 75W incandescent bulbs by Jan. 1, 2012, the deadline would be Jan. 1, 2014. The federal government said in its proposal it needs more time to allow for technological innovations and to deal with concerns about compact fluorescent lamps.

Meanwhile, Environment Canada is working on an EPR program for mercury-containing lamps. The program would very likely not supplant existing provincial programs, but would fill in gaps where provincial programs do not (yet) exist. The program will target lamps from both the residential and commercial sectors and will include recovery targets. The regulations are expected to be released as drafts for public comment at the end of 2011, and will come into force at the end of 2012. Attendees of the RCA's annual waste reduction conference in October will have the opportunity to hear more about these proposed regulations.

Instead of phasing out incandescent bulbs ahead of the US, Canada will now be behind the US in getting rid of all four wattages of bulbs. The US is scheduled to get rid of 100W bulbs on Jan. 1, 2012, 75W bulbs on Jan. 1, 2013, and 60W and 40W bulbs on Jan. 1, 2014.

Source: The Vancouver Sun and Recycling Canada

Sears Canada Bans Sale of Incandescent and Halogen Lighting

Sears Canada is helping Canadians save money and reduce their environmental footprint by becoming the first national Canadian retailer to ban the sale of inefficient incandescent and halogen lighting in its stores nationally. By September 2011, Sears Canada will grow its offering of energy efficient LED (light-emitting diode) and CFL (compact fluorescent) lighting, instead of less efficient options.

Along with its ban of inefficient lighting, Sears Canada is further reducing the environmental impact of its own operations by becoming the first national Canadian retailer to replace all spotlights in its stores with energy efficient LED lighting. The initiative is the largest-ever incandescent spotlight replacement in Canada and one of the largest replacements ever globally.

The LED lighting retrofit is expected to save Sears Canada more than 16 million (16,416,000) kilowatt hours (kWh) of electricity per year and reduce its carbon footprint by 3,611 tonnes per year.

Sears Canada is continuing its sustainability efforts that encompass all areas of its business. In 2008, Sears Canada made a commitment to recycle 90% of its waste and reduce its energy use by 20% within five years. Sears Canada is on track to meeting its recycling targets and by the end of 2010 had already reduced its electricity use by 15%.

The company has also launched numerous initiatives to help Canadians choose more environmentally sustainable options, including this spring's Million Dollar Energy Challenge to help Canadians save money with ENERGY STAR appliances. In 2010, it introduced its Cost & Carbon Savings Calculator to demonstrate the financial and environmental benefits of switching to ENERGY STAR qualified products.

Sears Canada has also been named the ENERGY STAR Retailer of the Year by Natural Resources Canada four times, including the last three years in a row.

Source: CanadianBusiness.com

Recycled Skating Rink Finds New Home West of Calgary

A skating rink that a Calgary community was giving away has been spoken for.

The outdoor rink will be taken to the community of Lac Des Arcs, 75 kilometres west of Calgary.

The Strathcona Community Association in southwest Calgary, which is building a new rink, wanted to give the old one a new home rather than take it to a dump.

Sustainabuild Canada is dismantling the rink's boards carefully so that the new owner can easily reconstruct them.

Source: CBC News



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U of C Earns Calgary Environmental Award

The University of Calgary's commitment to becoming more environmentally sustainable is being recognized by the City of Calgary's annual outstanding civic achievement awards. The university was awarded with the *Environmental Achievement Award – Educational Institution* at the Calgary Awards on June 15, 2011.

Environmental Achievement Awards are given to Calgary educational institutions or school programs that exhibit exemplary environmental conduct.

The University of Calgary established its Office of Sustainability in 2007 to integrate sustainability into all aspects of university life. This encompasses efforts in institutional planning and administration, learning and research, campus operations as well as community engagement and partnerships with other organizations. The university has adopted a comprehensive Institutional Sustainability Plan and a Climate Action Plan that aims to reduce greenhouse gas emissions 45% by 2015, and 80% by 2050. The Calgary Award recognizes tangible progress on a range of environmental sustainability indicators including waste reduction, water and energy efficiency, responsible purchasing as well as a campus wide engagement programs.

For more information about sustainability at University of Calgary, please visit www.ucalgary.ca/sustainability.

For more information about the Calgary Awards, visit www.calgary.ca/calgaryawards.

Source: UToday / U of C

BC Introduces EPR for Paper, Packaging

The government of BC has its Recycling Regulation to make paper and packaging from “residential premises” and from “municipal property that is not industrial, commercial or institutional” subject to the approval of a stewardship plan. Starting July 1, 2011, producers of “packaging and printed paper” must develop a stewardship plan within 18 months and have that plan implemented within 36 months.

A default 75% diversion rate for paper and packaging will be required as per existing provisions of the regulation. The provincial deposit-refund system is maintained and is not affected by introduction of the new requirements for packaging and printed paper.

Source: Solid Waste & Recycling

Starbucks Launches BC-Wide Recycling Program

If Starbucks can convince the world that five dollars is a reasonable price to pay for a cup of coffee, shouldn't it also be able to do something about its coffee cups?

It appears that Starbucks believes it should. Earlier this year, it announced the launch of a coffee cup recycling program across all its corporately-owned stores in British Columbia. Most Starbucks locations are corporately owned.

BC stores now feature customized multi-receptacle recycling bins. The bins will have simple signage for customers to indicate which recyclables go where. The bins will allow for the cup, the lid and the sleeve of Starbucks beverages to be recycled. The bins will also accept iced coffee plastic cups and lids.

The company has been rolling out store-front recycling programs on a city-by-city basis since 2009. Starbucks relies on local recycling infrastructure to process its packaging and has found that, contrary to some media reports (and the perception of a segment of the population), if properly source-separated, its plastic-lined cups and cup lids are compatible with many municipal recycling programs.

The company has publicly stated its objective of installing, by 2015, store-front recycling for its packaging at all company-owned stores in locations where recycling is available.

Source: Recycling Canada

BFI and Waste Services to Change Name to Progressive Waste Solutions Ltd.

IESI-BFC Ltd. has changed its name to Progressive Waste Solutions Ltd. As the third largest non-hazardous solid waste solutions provider in North America, Progressive Waste Solutions provides services to more than 4 million commercial, industrial and residential customers in 6 provinces in Canada and in 12 states and the District of Columbia in the United States.

The roll-out of the new brand identity will begin in select markets over the next several months, with the full transition through the Company's broader operations expected to take place over the next 24 to 36 months. The brand names “BFI Canada” and “Waste Services” in Canada and “IESI” and “Waste Services” in the United States will continue to operate in markets where the new brand has not yet taken effect, but they will operate under the banner of “A Progressive Waste Solutions Company.”

For more information, contact Chaya Cooperberg, Vice President, Investor Relations and Corporate Communications, at 905.532.7517 or chaya.cooperberg@progressivewaste.com or visit www.progressivewaste.com.

BC Launches Stewardship Program For Small Appliances

The launch of the BC Small Appliance Recycling Program began August 1st at both the retail and collection level. The program is in accordance with a plan filed by the Canadian Electrical Stewardship Association (CESA) in response to the Electronics and Electrical Product Category (Schedule 3) in the Recycling Regulation. The program will be the first of its kind in North America and will provide British Columbians with a responsible option to dispose of more than two million small appliances that are currently landfilled each year.

CESA worked with Product Care and several appliance manufacturer associations in the development of the stewardship program plan, and the program has been approved by the BC Ministry of Environment. The program is being funded by environmental handling fees remitted to the association by its members based on product category and sales in BC. The Small Appliance Recycling Program has made significant progress in establishing over 100 recycling depots; preparing for program launch with recyclers, producers and retailers; distributing collection bins to depots; and producing public education materials.

For more information about CESA and the Small Appliance Recycling Program in BC, please visit www.cesarecycling.ca

Source: Recycling Product News

Shell Adopts "Idol" Grant Program Approach

Shell Canada is replacing the old Shell Environmental Fund program with a new approach called FuellingChange (FC). The new program asks Canadians to support projects through a voting system where the public has the opportunity to vote for their favorite projects from three areas – Land, Air and Water. The projects with the most votes at the end of each cycle in each category will receive grants in the amounts of \$25,000, \$50,000 or \$100,000.

This new approach seems to be catching on in the corporate funding world. However, Shell has at least chosen to somewhat buffer the funding by popularity rather than by worthiness risk to applicants, as each project that has been pre-approved for inclusion in FC will receive \$10,000. To know more about the program and to apply online visit www.shell.ca/fuellingchange and click on "How it works – for applicants".

Canadians who want to participate in the voting process can sign up for a free account at www.fuellingchange.com which comes with 10 free votes to get them started. Further votes can be obtained by making purchases at Shell and redeeming receipt codes for votes.

Metro Vancouver Solid Waste Management Plan Approved

It was announced in July that the Metro Vancouver solid waste management plan has been approved by the BC Minister of Environment. Seen by some as permission to build a waste incinerator to burn the region's garbage, conditions imposed by the province place significant caveats on expansions to waste-to-energy options.

Specifically, the Ministry of Environment requires a 70% waste diversion through reducing, reusing and recycling before waste-to-energy can be used as an alternative to landfilling, and Metro Vancouver must consult with the Fraser Valley Regional District before considering any incinerators in the region, as well as establish a working group to deal with potential air-quality issues.

Source: RCBC and The Vancouver Sun

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RONA Launches Paint Recycling Program in Western Canada

RONA Inc., the largest Canadian distributor and retailer of hardware, renovation and gardening products, continues to lead the way in helping Canadians reduce their environmental impact with the launch of its in-store paint recovery program in British Columbia, Alberta and Saskatchewan.

Starting July 4, 2011, consumers can drop off cans of any brand of old or unused paint at any RONA or TOTEM Building Supplies store, no purchase necessary.

RONA has been a Canadian pioneer in paint recovery from the start with the introduction of its recovery and recycling program 14 years ago in Quebec, followed by Ontario in 2008.

Since its inception, RONA has saved more than 15 million kilograms of leftover paint and paint cans from ending up in landfills. From this, nearly 100% of the recovered paint has been recycled, producing 9.3 million kilograms of paint – equivalent to 4.9 million gallons.

The introduction of the program in the three western provinces is a significant new contribution to paint recovery and recycling efforts in Canada and will result in a total of nearly 500 RONA paint collection points across the country.

All types of home paint – latex, alkyd and stains – are accepted under RONA's recovery and recycling program.

The program does not include plastic paint, car paint, industrial paint, aluminum paint, road sign paint, granular dye, surface conditioners, varnish, solvents, tar, adhesives, or preservatives. For more information, visit www.ronaeco.ca.

Source: Solid Waste & Recycling

Manitoba Government Bans Internal Bottled Water

The province of Manitoba has banned the government purchase of single-use bottled water as a way to set an example for its citizens. The government will only buy single-use bottled water in emergency situations or when clean tap water is not available.

The move comes a year after Nova Scotia instituted the same policy, and two years after similar efforts by some Canadian universities, including the University of Winnipeg in Manitoba.

Source: Waste & Recycling News

INTERNATIONAL NEWS

Cascades Invests in New York Mill

Packaging and tissue maker Cascades Inc. is investing almost US\$100 million in a new US\$430-million containerboard mill located in upper New York state and due to start up in 2013.

The mill, with annual output of 540,000 tonnes of lightweight linerboard, will produce packaging materials from 100% recycled fibre.

Ownership of the Greenpac Mill LLC project is shared between Montreal-based Cascades, the operator, pension fund manager Caisse de depot et placement du Quebec, the US Jamestown Containers Inc. and another unidentified industry investor.

Source: The Victoria Times Colonist

Cascades Completes the Acquisition of Papersource

Cascades Inc. has announced that it will purchase the remaining 50% of shares that it does not hold in the company Papersource Converting Mill Corp. (Papersource). The transaction, expected to be signed in mid-September, is contingent upon the approval of the Competition Bureau.

Papersource is a tissue paper converting plant that is at the cutting edge of technology, which essentially manufactures products for the Away-from-Home market, and employs more than 160 people.

Founded in 1964, Cascades produces, converts and markets packaging and tissue products that are composed mainly of recycled fibres. The Company has close to 11,000 employees, who work in more than 100 units located in North America and Europe.

Source: Cascades Press Release

NHL Diverts Food Waste to Needy

Teams in the National Hockey League diverted more than 100 tons of potential food waste from landfills this season. All of the teams in the league have reportedly worked with a program called "Rock and Wrap It Up!" to pack up all prepared, but untouched concession food on game nights for redistribution to local shelters.

8 teams have been recognized by the EPA for their work with the food diversion program. In all, NHL teams diverted 105 tons of food while providing 160,000 meals through the *Rock and Wrap it Up!* program this year. For more information visit www.rockandwrapitup.org.

Source: Waste & Recycling News

Pantene Using Plant-Based Plastic in its Shampoo, Conditioner Products

Pantene recently announced that it has started producing its new shampoo and conditioner bottles made primarily from plant-based plastic. This innovative material, a first for the hair care industry, is made from sugarcane and will be featured on the Pantene Pro-V Nature Fusion collection. The new bottles will be initially launching in western Europe with expansion plans to the rest of the world over the next two years.



The packaging uses less of the planet's non-renewable resources. It contains plastic derived from sugarcane, a natural and renewable resource, as opposed to traditional plastic that is made from petroleum, a non-renewable material. Sugarcane-derived plastic has significant environmental benefits: it consumes over 70% less fossil fuels and releases over 170% less greenhouse gases per tonne than traditional petroleum-based plastic. The new bottle has virtually identical characteristics to its predecessor and claims to be as recyclable as before.

By using renewable resources, such as sugarcane-based plastic, Pantene is supporting P&G's goal of replacing 25% of petroleum-based materials with sustainably sourced renewable materials by 2020. P&G's long term vision is to use 100% renewable or recycled materials on all of its products.

Source: Solid Waste & Recycling

Machinex Builds One of the World's Most Automated MRFs

Cory Environmental is one of the UK's leading recycling and waste management companies, employing over 1,000 people at more than 30 sites. In 2002, Cory was awarded a 30-year contract with the Western Riverside Waste Authority (one of four statutory waste disposal authorities in London) to handle over 500,000 tonnes a year of municipal waste. Recently, Cory Environmental chose Quebec-based Machinex Industries Inc. to handle the design and construction of what the company is calling one of the most automated MRFs in the world.

The new Western Riverside Materials Recycling Facility at Smugglers Way in Wandsworth, London, was officially opened by Her Royal Highness, The Princess Royal (Anne), on Thursday March 10, 2011. The £25 million MRF will process over 84,000 tonnes of dry recyclables per year from the WRWA area.

The facility contains 14 Pellenc optical sorting machines, over 100 fast-moving conveyor belts and an array of hi-tech devices, including sorters and magnets that allow the recyclables to be separated into a range of commodities. One other notable aspect of this system, according to Machinex, is that material is fed into the sorting system via a crane and grapple unit, which is unique for a MRF.

Source: Recycling Product News

New Packaging Trade Organization in US

Several leading US corporations recently announced that they are taking steps to create a new packaging trade organization. AMERIPEN (American Institute for Packaging and the Environment) will engage on public policies impacting the packaging value chain on topics related to packaging and the environment, and will represent the interests of the industry, which includes raw material producers, packaging manufacturers, packaging users and fillers, retailers, and material recovery organizations.

Corporate founders include the Coca-Cola Company, Colgate-Palmolive, ConAgra Foods, the Dow Chemical Co., DuPont Packaging & Industrial Polymers, Kellogg Company, MeadWestvaco (MWV), Procter & Gamble, Sealed Air Corporation, and Tetra Pak Inc.

Modeled after EUROPEAN and INCPEN, the European and British counterparts, respectively, AMERIPEN will advocate packaging policy developments in North America by focusing on measures that are environmentally and economically sound, as well as socially responsible.

AMERIPEN, with a material neutral approach, will encourage science-based decision-making on sustainable packaging initiatives and provide a point-of-view and guidance to policy makers and thought leaders on the value and role of packaging.

AMERIPEN will also engage with thought leaders in the packaging industry, including trade associations, academic institutions, NGOs and government agencies, to facilitate relevant research and identify key data and standards to advance AMERIPEN'S mission. For more information visit www.ameripen.org.

Source: Solid Waste & Recycling

USPS Presents New Green Stamps

There were Green Stamps and now there are green stamps.

The US Postal Services is out with a new set of "Go Green" stamps aimed at encouraging the protection of the environment and public health, including stamps that feature recycling and composting.

"Each year, the Postal Service selects a stamp to serve as its social awareness stamp," said Joseph Finan, postmaster for Albany, NY. "We're creating a culture of conservation at the Postal Service that will have a lasting impact in our workplaces and our communities."

More information about the stamps, visit www.usps.com/green.

Source: Waste & Recycling News



Grocery Bag Tax / Ban Updates

Montgomery County, Maryland, with a population of nearly 1 million people, has joined neighbouring Washington, DC, and become the second community in the United States to tax plastic and paper carry-out bags. The 5-cent tax on carry-out bags will go into effect January 1, 2012, and apply to all retailers in the county. In Washington, the use of carry-out bags dropped 80% after the tax was enacted, and the city collected \$2.1 million in bag taxes in 2010.

Meanwhile, Santa Clara County supervisors have passed a ban on plastic bags. The ban also will require that retailers charge at least 15 cents for paper bags in an effort to influence shoppers to use reusable bags.

More recently, Long Beach, California, became the eighth community to enact a plastic bag ban this year. The law also places a 10-cent tax for each paper carry-out bag handed out by retailers.

A Long Island village with a population of 4,000 has passed a measure prohibiting the use of non-biodegradable bags by retailers, markets and restaurants.

The Portland (Oregon) City Council unanimously approved a single-use plastic bag ban on July 21 that will go into effect on October 15. The council moved forward on the ban after supporting a statewide proposal that failed in the legislature earlier this year.

Earlier this month, Newport Beach declined to enact a ban on plastic bags, citing potential litigation issues.

At least twenty-two communities in the US have plastic bag bans.

Source: Waste & Recycling News

Banning More Than Just Bags

The California Senate passed a bill that would ban food vendors from dispensing items in a polystyrene foam food container beginning in 2014. The measure now heads to the state's Assembly for discussion.

The bill allows for businesses to continue using the foam containers if the city or county it is in has a recycling program for the products and 60% of the foam is recycled.

Source: Waste & Recycling News

Carpet Recycling Success in US

The Carpet America Recovery Effort (CARE) recently reported that in 2010 its members surpassed the 2 billion pound mark for carpet diverted from landfills. That's a cumulative figure since the organization's founding in 2002.

In 2010, CARE members diverted 338 million pounds of carpet from landfills – an increase of 9% over 2009.

And of that carpet, more than 271 million pounds were recycled back into carpet and other consumer products, according to CARE's recently released annual report.

For more information, visit www.carpetrecovery.org.

Source: Waste & Recycling News

And Ford Uses Some of that Recycled Carpet

Ford put more than 4 million pounds of recycled carpet into vehicles last year by switching an engine part away from virgin material. The auto maker has been using cylinder head covers made with nylon derived from scrap carpet in four vehicles: the Escape, Fusion, Mustang and F-150.

The nylon starts off as post-consumer carpet collected by Wellman Engineering Resins, which grids it into nylon resin dubbed EcoLon. It's then taken by Dana Holding Corporation, which uses injection-molding to turn the fiber into cylinder head covers.

Ford will keep using the covers on its 3.0-liter Duratec and 5.0-liter engines, which power the four vehicles, and the material could find its way into other vehicles and parts.



By switching away from virgin material, a move Ford is trying to make in other vehicle parts, Ford estimates it avoided the use of 430,000 gallons of oil.

As part of an overarching strategy to use more non-metal and biobased materials, Ford has also delved into using soy foam for seat cushions and headliners, made plastic bins out of wheat straw, recycled plastic into various components and turned soda bottles into car interior fabrics.

Source: GreenBiz

Texas Moves Forward on EPR for Televisions

Texas Gov. Rick Perry signed a bill that will force television manufacturers to take back and recycle old televisions. This bill is a long-awaited companion to the computer take-back law signed in 2007. A similar bill was vetoed in 2009.

Senate Bill 329 requires manufacturers selling televisions in Texas to offer free recycling programs for Texas residents. The Consumer Electronics Association, which represents more than 2,000 electronic companies, supported the bill.

According to the organization, 24 other states have passed similar laws for electronic recycling and 20 of them cover computers and televisions.

Source: Waste & Recycling News

Dell to Ship Servers in Mushroom-Based Packaging

Dell says it will be the first technology company to test out mushroom-based packaging made by Ecovative Design when it starts shipping servers protected by mushroom cushions instead of foam.



Ecovative makes the packaging by taking waste like cotton seed or wood fiber, and adding mushroom roots, which digest the waste and take its shape in a mold. The packaging for Dell grows in 5-10 days.

The use of mushrooms expands Dell's use of alternative materials, as it has been switching some foam or plastic packaging to bamboo. Since late 2009, Dell has been using bamboo to cushion more and more electronics.

By 2012, Dell plans to cut packaging by 20 million pounds, make 75% of its packaging curbside recyclable and increase recycled or renewable content by 40%. The bamboo packaging can be recycled or composted, while the mushroom packaging is compostable.

Source: GreenBiz

Florida Company Unveils Recycling Robot

Florida Robotics, makers of entertainment robots, recently completed construction on a solar-powered recycling robot.

Dr. R.E. (Robotic Environmentalist) Cyler can crush 12-ounce aluminum cans in his chest to less than an inch in size.

People can deposit their cans into Dr. Cyler's mouth and watch as the can gets crushed in his clear belly, which takes about 30 seconds.

The company is offering Dr. Cyler to companies interested in promoting their green initiatives and attracting attention at trade shows, special events and school functions. A limited number of Dr. Cyclers will be built per year for sale worldwide, the company said. Domestically, daily rentals also will be available.

Click here to watch a video of the recycling robot.

Source: Waste & Recycling News



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Prince Edward Island, Montreal – Quebec, Durham Region, Halton Region, Peel Region, York Region, Simcoe County, Niagara Region, Hamilton – Ontario, Brandon – Manitoba, Strathcona, Spruce Grove, Cold Lake – Alberta, Regional District of Nanaimo, Cowichan Valley (ie Ladysmith) – BC

Please contact Glad Canada for additional information (905) 595-8357

*Replacing Small Green "See through" 52ct Plastic Bags that have been discontinued.

News

US Government to Ban Internal E-Waste From Landfills

The US federal government will leverage its purchasing power to drive the electronics manufacturing and recycling industries toward more sustainable products and practices, according to a report released by an interagency taskforce on electronic stewardship.

According to the report, the federal government should establish a comprehensive and transparent policy on used federal electronics that maximizes their reuse and ensures that all federal electronics are processed by certified recyclers. The government will also ban its e-waste from entering landfills, according to the report.

The report said that the federal government will split its electronic equipment into two streams, functional and nonfunctional. The functional equipment will be donated to schools and non-profit organizations or will be sold to private consumers. Nonfunctional equipment will be taken to third-party certified recyclers or handed over to manufacturers for their take-back programs.

The report said that government should encourage more methods to reuse and recycle electronics, and encourage the design of greener electronics with fewer hazardous materials and less virgin materials.

The task force also calls for an expansion of the Electronic Product Environmental Assessment Tool (EPEAT) to include additional electronics devices. The EPEAT rating is available for computers and monitors.

Source: Waste & Recycling News

San Francisco Named North America's Greenest City

San Francisco took the title as the greenest city in North America in a study of the environmental performance and commitments by 27 major metro areas in the US and Canada. The study, conducted by the Economist Intelligence Unit and commissioned by Siemens, is part of the Green City Index, an ongoing research project that looks at global regions and their major cities. The index, which covers Europe (where Copenhagen topped the list), Asia and Latin America, was expanded to North America and Germany this year.

To claim the top spot in North America, San Francisco bested contenders that included Vancouver, New York, Seattle, Denver and Boston. The 27 cities examined in the study were ranked based on scores in nine areas – CO₂, energy, land use, buildings, transport, water, waste, air and environmental governance.

Among the categories, San Francisco claimed the No. 1 spot in waste management having been the first US city to require composting and recycling for residents, commercial properties, food establishments and events.

Source: GreenBiz



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October 17 – 23, 2011

Check out
www.recycle.ab.ca/wrw
for campaign details.

www.wrwcanada.com



Questions to ask any new potential eWaste Recycler

- ❖ *How many years experience do they have with municipal collection sites in Alberta?*
- ❖ *Do they have any references for current Municipal customers?*
- ❖ *What machinery is used to process and environmental impact of same?*
- ❖ *How much eWaste do they currently have that has not yet been processed?
How long have they had this material?*
- ❖ *Method of packaging - cost of labor of this method.*
- ❖ *Schedule of pickup - how many days after the request is submitted will they pick up?*

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- ❖ ***in business in Alberta since March 2004, Alberta owned and operated.***
- ❖ ***has over 100 drop-off sites throughout Alberta.***
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Drop off: Televisions, Computers, Monitors, Printers and ANY other Electronics at NO charge

Calgary's Currie Barracks: (Turn off Crowchild onto Flanders Ave, go thru main gate of the Barracks, turn left at 4-way stop sign, immediately turn right at first driveway)

Open: 7 days a week 10:00 PM - 5:00 PM

Please bring a non-perishable food item for: Calgary Interfaith Food Bank

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Visit www.recycle-logic.com for more info or call 1-403-348-0770

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Coming Events

Alberta Recycling Fall Conference 2011, hosted by Alberta CARE, September 7-9, 2011, Nisku, AB, contact: 780.955.7744, www.albertacare.org

"To Infinity... and Beyond Waste", Saskatchewan Waste Reduction Council's Fall '11 Waste Minimization Forum, September 15-16, 2011, Swift Current, SK, contact: 306.931.3242, www.saskwastereduction.ca

"SOS - Save Our Soil... Compost!", The Compost Council of Canada's 21st Annual National Conference, September 19-21, 2011, Charlottetown, PEI, contact: 416.535.0240, info@compost.org

Conference on Canadian Stewardship, September 20-21, 2011, Halifax, NS, contact: 250.495.4592, www.canadianstewardship.com

The 7th Annual National Product Stewardship Forum in conjunction with the **26th Annual Hazardous Materials Management Conference**, September 26-30, 2011, Portland, OR, www.nahmma.org

2011 E-Scrap Conference, October 5-6, 2011, Orlando, FL, contact: 503.233.1305, www.e-scrapconference.com

"Recycling Means Business" 2011 RCA Waste Reduction Conference, October 5-7, 2011, Edmonton, AB, contact: 403.843.6563, www.recycle.ab.ca/conference

First Annual Edmonton Eco-Expo, October 14-16, 2011, Edmonton, AB, contact: 780.700.4776, www.edmontonecoexpo.com

Waste Reduction Week in Canada, October 17-23, 2011, www.wrwcanda.com

"Plastics Recycling and Sustainability on my Mind." GPEC 2011, hosted by the Environmental Division of the Society of Plastics Engineers, October 17-19, 2011, Atlanta, GA, contact: 1.800.798.1241, www.4spe.org/conferences/gpec-2011

"Curbside recycling. What will be the new normal?", Coast Waste Management Association Conference, October 26-28, 2011, Victoria, BC, contact: 1.866.386.2962, www.cwma.bc.ca

2nd Annual Canadian Waste Sector Symposium, hosted by the Ontario Waste Management Association, November 7-9, 2011, Montreal, QC, contact: 905.791.9500, www.canwastesectorsymposium.ca

Canadian Waste & Recycling Expo 2011, November 9-10, 2011, Montreal, QC, contact: 678.732.2429, www.cwre.ca

Visit www.recycle.ab.ca for more events listings.

Classifieds

Jobs

- Strathcona County is seeking a **Manager** for their Waste Management and Community Energy Services department for a six months term. View the full job posting at www.strathcona.ab.ca. Competition #169-2011, closes September 16, 2011. Email jobs@strathcona.ab.ca.
- The City of Lloydminster is looking to hire a **Municipal Waste Manager**. The full job posting is available at www.lloydminster.ca. For further details and to apply, please contact hburzinski@lloydminster.ca.

Resources

- **Alberta Manure and Compost Directory**
www.agric.gov.ab.ca/app68/manure
- **BC Biomass Trader**
www.biomasstrader.org/bc

Market Updates

	Per Tonne	Trend
Glass		
Coloured	0	↔
Plate	0	↔
Paper		
Cardboard (baled)	115-135	↑
Cardboard (loose)	95-100	↑
Office Pak (loose)	80-145	↑
Mixed (loose)	55-75	↑
Magazines (loose)	75	↑
News (loose)	75	↑
Plastic		
HDPE Natural (baled)	165-500	↓
HDPE Coloured (baled)	65-300	↓
Clear PE Film (baled)	165-300	↓
Coloured PE Film (baled)	0-30	↓
Metal		
Steel Food Cans (baled)	40	↓
White Goods	40	↓

Prices reflect surveyed averages (F.O.B. buyer) at the time of publishing and are subject to market fluctuations. Individual prices may vary according to material quality, volumes and contractual arrangements. Please contact your buyer to update prices at time of shipping.

Donate Prizes for our Golf Tournament

The Recycling Council of Alberta invites you to donate items for our golf tournament which will be part of this year's conference "Recycling Means Business".

Please send a quick email to info@recycle.ab.ca if you would like to donate items. The items can be dropped off at our registration desk, which will open at 9:00 a.m. on Wednesday, October 5, at The Westin Edmonton. Your support is very much appreciated!

Wondering Where to Recycle Your Stuff?

Visit **Alberta's Recycling Hotline**
at www.recyclinghotline.ca
or phone 1.800.463.6326

Notice of AGM

The Recycling Council of Alberta's
Annual General Meeting
will be held on

**Thursday, October 6, 2011
at 11:45 a.m. at
The Westin Edmonton
in Edmonton, Alberta.**

All members are welcome to
attend and, among other items
of business, vote for your new
RCA board members.



Recycling Council
of Alberta

RECYCLING MEANS BUSINESS

Conference & AGM Oct. 5-7, 2011
The Westin Edmonton, Edmonton, Alberta



EVENTS

- Golf Tournament
- Tours
- Fundraising for Non-Profits Seminar
- Gala Banquet
- Rs of Excellence Awards
- Exhibits and Networking Opportunities

SESSIONS

- Municipal Issues
- The Business of Recycling

- Construction and Demolition
- Marketing and Promotion
- Toxics
- Organics Diversion in the ICI Sector
- Maximizing Diversion
- Procurement

KEYNOTE SPEAKERS

- Toby Heaps (Corporate Knights)
- Gavin Scott & Tyler Barkhouse (Team Canada Antarctica 2011 Expedition)

Registration, exhibit or sponsorship info: 403.843.6563 info@recycle.ab.ca www.recycle.ab.ca