

Connector

INSIDE

**Waste Reduction Week
in Canada Celebrates
10 Years** 1

**2010 Ambassador
Program**..... 3

**Think Green Success Story:
CBE's Waste Reduction
Efforts**..... 4

**You call it Styrofoam....
We call it Expanded
Polystyrene** 5

**Recyclers Ready
to Converge on
Lake Louise**..... 6

**Stats Can Releases
Household Recycling
Results for 2007** 7

Meet Cal Dallas..... 8

**Development of a
Recycling Greenhouse
Gas Offset Credit Protocol
in Alberta**..... 9

News..... 10

Coming Events 19

Market Updates 19



*Recycling Council
of Alberta*

www.recycle.ab.ca



Waste Reduction Week in Canada Celebrates 10 Years

Waste Reduction Week 2010 is just around the corner. Since its inception ten years ago, the program has grown by leaps and bounds. Developed and delivered by a coalition of 13 different recycling councils and sister organizations from every province and territory, it engages Canadian businesses, municipalities, schools and individuals to reduce waste and make Canada a better place to live.

Two new national campaigns are being introduced this year. Because of WRW's logo's resemblance to the mythical character Atlas, who carries the weight of the world on his shoulders, it was decided to bring this image to life, officially naming him "Atlas". Through this campaign, Canadians are encouraged to ease Atlas' burden by reducing the amount of waste they produce through the 3Rs and submitting a photo or video of their activity. Details of the "Atlas: Ease My Load" campaign and a downloadable cut-out of Atlas are now available at www.recycle.ab.ca/wrw. The second national campaign focuses on a cell phone recycling program for secondary and post-secondary schools which will be launched during WRW.

Events are being planned all over Alberta. RCA has partnered with Green Calgary to present "Green Your Business" through a webcast to over 40 sites throughout

continued on page 2

Connector

Published quarterly by the
RECYCLING COUNCIL OF ALBERTA
for the information of its members.

Publisher – Recycling Council of Alberta
Editor – Christina Seidel

Connector

c/o Recycling Council of Alberta
Box 23, Bluffton, AB T0C 0M0
Tel: 403.843.6563 Fax: 403.843.4156
info@recycle.ab.ca
www.recycle.ab.ca

Alberta's Recycling Hotline
1.888.463.6326
www.recyclinghotline.ca

Advertising Rates

1/8 Page \$55.00
1/4 Page \$105.00
1/2 Page \$180.00
Full Page \$320.00
10% discount to RCA members

Editorial Policy

The editors retain the right to edit material submitted for publication for length, clarity, accuracy, objectivity and taste.

Recycling Council of Alberta Board of Directors

President – Philippa Wagner
President-Elect – Jason London
Secretary – Olena Juzkiw
Treasurer – Paula Kuryk
Past-President – Dean Brawn

Executive Director – Christina Seidel

Directors – Sarah Begg, Ray Dumouchel,
Warren Graumann, Sharon Howland,
Maegan Lukian, Tami Rothery,
Joanne Walroth, Dave Whitfield,
Dan Zembal

Liaison Members – Melanie Cooke,
Mary Grace Curtis, Ross Boutillier/
Trent Tompkins, Linda McDonald,
Dave Schaaf, Alberta Environment

RCA Patrons

Gold Patrons – Alberta Beverage
Container Recycling Corporation,
Alberta Environment, Alberta Recycling
Management Authority, Alberta Used Oil
Management Association, Beverage
Container Management Board

Silver Patrons – BFI,
City of Calgary, City of Edmonton,
METRO Waste Paper Recovery Inc.,
NOVA Chemicals Corporation

Bronze Patrons – Davis LLP,
eCycle Solutions Inc., The Garbage
Company Inc., Merlin Plastics,
Molson Coors Canada, Strathcona County,
Suncor Energy Inc., Vitreous Glass Inc.,
Waste Management of Canada Corp.

continued from title page

Alberta through the Business Link. There will be a screening of The Clean Bin Project at the Cochrane Ranch House as well as other sites in Calgary. Andrew Nisker's new film *Chemical* will be presented at various locations in the province. The Triple StaRs Waste Reduction Challenge is once again being offered to all grade four students across Alberta. The RCA will also participate in Habitat for Humanity's third annual WRW radio remote.

Join the WRW band wagon. Let us know what you are planning to do for Waste Reduction Week – email wrw@recycle.ab.ca.

None of this would be possible without the generous support of our provincial sponsors. A great big THANK YOU goes out to:



BEVERAGE CONTAINER MANAGEMENT BOARD



ALBERTA BEVERAGE CONTAINER
RECYCLING CORPORATION

**Government
of Alberta**



Alberta Used Oil Management Association



ROCKY VIEW COUNTY
Cultivating Communities



METRO Waste Paper Recovery Inc.



**CITY OF
Lethbridge**



Equipment for solid waste and recycling

Sales • Parts • Service

- Harris Two Ram Balers
- Selco Single Ram Balers
- Mosley Parts
- Conveyors/Sort Systems
- Downstroke Balers New/Used
- Compactors/Containers

Western Canada's only factory authorized Harris/Selco distributor

Recycle Systems • 888-453-9300 • www.recyclesys.com

2010 Ambassador Program a Huge Success

This summer, the RCA hired eight enthusiastic Ambassadors to work, not only on projects for stewardship programs, but also on several partnership projects. From collecting research data in the field to conducting surveys and developing educational materials, the students were given the opportunity to develop additional skills, growing and expanding in their knowledge in waste diversion and the environment.

In addition to our regular project partners, AUOMA, BCMB and Alberta Recycling, we are excited this year to be also working with CleanFARMS, City of Edmonton, and City of Airdrie. Municipal and organizational partners were able to gain valuable information important to their respective programs that would not have been possible without the help of the RCA's Ambassadors. This exciting new initiative has been a win-win for everyone and will continue as part of the Ambassador Program for next year.

If you are looking for one or more keen environmentally-oriented individuals to assist with specific tasks or projects that you didn't get around to completing this summer, contact us at info@recycle.ab.ca and we will be happy to discuss how we can help you out.



The 2010 Ambassadors during training week.

Wondering Where to Recycle Your Stuff?

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



EXPERTS IN WASTE DIVERSION

Serving Alberta Since 2002

2cgc provides complete and comprehensive consulting services in ALL areas of waste management & diversion.

2cgc is recognized for specialized expertise in the management of organic wastes and composting.

2cgc has developed a strong presence and reputation with all levels of government and the private sector.

♻️ RECYCLING ♻️ WASTE AUDITING

♻️ COMPOSTING ♻️ C&D

2cgc will develop and deliver the specialized strategies and specific solutions you require.

Paul van der Werf, M.Sc.

tel: (1-877-801-7733) paulv@2cgc.ca

www.2cgc.ca

www.mygreenworkplace.ca

Think Green Success Story

Feature sponsored by



www.wm.com/thinkgreen

CBE's Waste Reduction Efforts

The Calgary Board of Education (CBE) is the third largest public school district in Canada serving approximately 100,000 students from early childhood education through to Grade 12. In addition, the CBE serves adults through Chinook Learning Services. The organization employs over 10,000 full time and temporary staff with programs operating from over 214 schools and buildings. The annual operating budget for the CBE is approximately \$1 billion.

As part of a larger environmental stewardship initiative, The Calgary Board of Education, with the assistance of CH2M Hill, re-evaluated its solid waste management practices to emphasize the importance of reducing its overall waste production, and in turn, reducing its overall ecological footprint.

In 2007, a Waste Assessment Study was conducted and in 2008 a Solid Waste Reduction and Diversion Strategy was developed. As part of this Strategy, the CBE is working towards an overall waste reduction goal of 50% less waste to landfill (from 2007 levels) by 2012.

In order to achieve this goal, a number of actions and initiatives have been implemented since 2008. Some of these actions include:

- Hiring a Waste and Recycling Coordinator
- Developing a system to monitor and implement 'right-sizing' waste bins and 'right-sizing' service frequency
- Standardizing and setting minimum, consistent paper recycling programs on a board-wide basis
- Designing recycling programs that will meet the needs of offices, administration, and treatment of confidential documents
- School visits to determine service levels and introducing schools to the suite of system-wide programs
- Continue to support schools and admin sites in their efforts to reduce waste

The largest contribution towards the success of the CBE's waste reduction goal is the ongoing commitment and support from staff and students at individual schools. Here are some examples of schools in action.

Schools such as William Reid have taken waste



At Hawkwood School, a recycling centre is located just off of the main foyer with battery, cell phone, and cardboard all in one location.

reduction very seriously; they have reduced their waste by half in the past year. This was mostly due to the increased paper recycling and leadership efforts by the Grade 4 class; the students also make conscious efforts to reduce waste in their own lives by doing things like buying books from a used book store.

Hawkwood School has also taken important steps such as the recent implementation of cardboard, cell phone, and battery recycling; since January 2010, the school has collected over 200 cell phones, and 2000 batteries.

Schools such as Dalhousie Elementary and Henry Wise Wood High School have incorporated composting into their classrooms. Students collect the compost material from bins or pots from classrooms and tend to the outdoor compost pile. Henry Wise Wood has plans to use the harvested compost in their school garden.

The CBE will continue working hard on reducing its waste to landfill by 50% by 2012. For any questions about this and other environmental stewardship initiatives at the CBE, please send an email to ecoteam@cbe.ab.ca.



Collection pots in Henry Wise Wood classrooms



Henry Wise Wood outdoor composting bins

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.

You call it Styrofoam.... We call it Expanded Polystyrene

After just over 12 months of operations, the Town of Cochrane has shipped its first load of densified Expanded Polystyrene (EPS) to market. EPS, also known by one of its many trade names “Styrofoam” plagues municipal waste managers. While EPS makes up a relatively low proportion of the municipal waste stream, waste collection limits and a desire to do the right thing bring residents to demand recycling solutions for this type of packaging.

“It took over a year for us to collect just short of 10 MT of EPS” says Solid Waste Manager, Sharon Howland. On August 23rd, 2010, a 53 ft tractor trailer pulled out of the Cochrane Recycling Depot filled with 24 pallets of EPS. Undensified, this same amount of material would have filled 10 trailers of the same size!

Program Challenges

Resident participation in the program has been terrific; the public has come out in droves to support the program but every program has its challenges.

- Contamination: Other foam products, labels, tape, and soiled meat trays with saran wrap still attached are just some of the contamination issues operators must deal with on a daily basis.
- Material quality: White packing foam, Construction grade Styrofoam, egg cartons and meat trays may all fall into the EPS category, but each of these materials has a different density and often a different colour. The most marketable EPS material is pure white packing foam. Cochrane has so far made the choice to accept all EPS products that their machine is capable of processing. However, this philosophy downgrades the quality of the material and makes marketing it a challenge.



The first load is ready to ship! Posing in front are Town of Cochrane Council Members Joann Churchill, Ross Watson and Tara McFadden.



Recycling Depot Operator Carol Kelly is operating the EPS cold compactor.

- Storage: EPS collection challenges any preconceptions you might have about the amount of storage space you have available at your site. While the machine used in Cochrane densifies material at a 15:1 ratio, you can never have enough storage or staging space.
- Machine: Cochrane chose a Cold Compaction machine to process the EPS.

The machine is hand fed by an operator and utilizes rotating screws to chew up the material and slowly compact it into a block. Given the opportunity to do it all over again, serious consideration would be given to a thermal or hybrid cold compaction/thermal machine.

The Future

The Town of Cochrane's EPS collection program is still in its early stages. Issues related to the quality of the material being collected need to be addressed once more information from potential purchasers of the material is gathered. Exploring opportunities for information sharing and cooperation with others involved in EPS collection is essential to the sustainability of the program.

Did you know?

Cochrane is not the only organization in western Canada collecting EPS for recycling. It's also happening in:

- Gibsons, BC
- Regional District of North Okanagan, BC
- Nanaimo, BC
- Genesis Recycling, BC
- EPS Molders Inc, Edmonton, AB

Recyclers Ready to Converge on Lake Louise

Lake Louise is the perfect setting to inspire innovative environmental thinking, and over 200 people with an interest in various aspects of waste reduction and recycling are getting ready to come together under one roof – that of the beautiful Chateau Lake Louise – for the RCA's 2010 waste reduction conference "Building Tomorrow". Discussions will cover topics ranging from Sustainable Communities to Biodegradable Plastics, providing information and introspection on the most current issues facing our industry today.

This forum truly provides an unparalleled opportunity to discuss topical concerns with peers and industry leaders. To facilitate this process, the conference provides ample networking opportunities, to complement the interesting and informative lineup of technical sessions. And to round out your full experience, we throw in a healthy dose of good old fashioned fun, with the RCA's famous social events.

This year's banquet theme is "Building", with everyone encouraged to dress as their favourite tradesperson. To add incentive to the creativity evidenced in past years' theme costumes, the best costume of the night will be awarded a free registration to the

2011 conference.

So, grab your hard hat and join us as we work to build a greener tomorrow, October 13-15 in Lake Louise.

RCA Call for Directors



Do you have a strong personal commitment to reducing waste? Would you like to influence recycling policy in Alberta? Do you like working with other enthusiastic people on meaningful recycling-related projects?

If you want to be part of Alberta's strongest waste reduction voice, the Recycling Council of Alberta is looking for individuals like you who are interested in joining our Board of Directors.

Directors of the Board for the 2010 / 2011 term will be elected at the RCA's Annual General Meeting on October 14th at the Fairmont Chateau Lake Louise. Interested individuals should contact our office at 403.843.6563 or info@recycle.ab.ca.

**Do you need
roll-out carts?**



Strathcona County has approximately 400 roll-out carts for sale. Carts were used as part of a pilot project to collect residential waste. The pilot project lasted approximately one year.

Cart specifications

Manufacturer — Otto
Model — Classic 65
Size — 65-gallon
Colour — grey
Wheel size — 30 cm (12")
Maximum load — 91 kg (200 lb)

Interested?

Contact Leah at 780-416-6797
or seabrook@strathcona.ab.ca

Strathcona
County
UTILITIES

Stats Can Releases Household Recycling Results for 2007

In 2007, the vast majority (95%) of Canadian households had access to recycling, up from 74% in 1994. Nearly all those with access chose to recycle (98%), although the extent of this recycling varied.

Just over one-half (52%) of recyclers reported that they recycled all their recyclable waste. 34% reported recycling the majority of their waste, and 15% said they recycled some, but not most, of their recyclable waste.

Asked why they recycled, most households reported that it was because of a sense of social responsibility or a desire to reduce waste in landfills.

Those that did not recycle cited a variety of reasons, such as it was too inconvenient (43%), requiring too much time or effort (40%), or taking up too much space (33%). Households with curbside recycling pickup were more likely to recycle and more likely to recycle all of their recyclable waste when they did.

Households in detached homes were more likely to recycle and more likely to recycle all of their recyclable waste than those living in apartments or in mobile homes.

The likelihood that a household would have access to recycling was more strongly related to demographic characteristics. Households with higher incomes, higher levels of education, or those living in a detached dwelling were more likely to have access to recycling programs.

Despite overall high levels of access, 11% of the households with access to recycling programs reported that their program did not accept one or more types of recyclable waste.

Certain materials were more likely than others to be accepted by recycling programs. Recycling programs were slightly more likely to accept paper and plastic than glass or metal. When households were able to recycle a material, they were most likely to recycle all of their glass or metal waste.

Provincially, the households most likely to have recycled in 2007 were those in Prince Edward Island, Ontario, Nova Scotia and Quebec.

Recycling by Canadian households, 2007 (11-526-S, free), is now available from the Key resource module of StatCan's website under Publications.

For more information, or to enquire about the concepts, methods or data quality of this release, contact the information officer (613.951.0297 or environ@statcan.gc.ca), Environment Accounts and Statistics Division.

This fall, Statistics Canada will be releasing the 2008 Waste Management Industry Survey results as well as a study on composting.

Source: Statistics Canada

Donate Prizes for our Silent Auction and Social Events

The Recycling Council of Alberta invites you to donate items for our silent auction as well as prizes for our scavenger hunt activity which will both be part of this year's conference "Building Tomorrow".

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 11:00 a.m. on Wednesday, October 13, at Chateau Lake Louise. Your support is very much appreciated!



ALLIED PAPER SAVERS
"Your Trusted Name In Recycling"

- Owned and operated by Albertans for over 30 years
- Specializing in all fiber grades
- Collection and processing services
- Competitive pricing for all grades of paper

EFFICIENT—RELIABLE—TRUSTWORTHY

Let us help make
your recycling program successful.

16820-129 Avenue, Edmonton, Alberta
call 780-447-1648

Meet Cal Dallas

On January 13, 2010, Mr. Cal Dallas was appointed as Parliamentary Assistant to the Minister of Environment. His responsibilities include implementing the *Too Good to Waste* strategy, improving Alberta's resource conservation and waste management system and practices to ensure future waste management practices reflect innovation and resource conservation and recovery.

Mr. Dallas was elected to his first term as a Member of the Legislative Assembly for Red Deer-South on March 3, 2008. In addition to his regular duties as MLA, he currently serves as a member of the:

- Standing Committee on Public Accounts
- Standing Committee on Resources and Environment
- Standing Committee on Private Bills
- Regulatory Review Secretariat
- Cabinet Policy Committee on Resources and Environment
- Youth Homelessness Review
- Child Intervention System Review Panel
- Climate Change Central Committee (chair)

From February 2008 to January 2010, Mr. Dallas served on the Cabinet Policy Committee on Health and the Standing Committee on Health.

Mr. Dallas grew up in central Alberta, living most of his early years in Innisfail. After high school, he attended Olds College in Farm and Ranch Management, before moving on to the printing and newspaper industry. During his 25-year publishing career culminating in the position of Publisher of the Red Deer Express, he developed a keen awareness of community issues. Mr. Dallas served as President of the Red Deer Chamber of Commerce and Vice President of the Alberta Chamber and in 2002 was named the Canadian Chambers Volunteer of the Year. In 2004, he assumed the role of Executive

Director of the Chamber and led the Chamber's active involvement in community issues. Under his leadership, the Red Deer Chamber is widely respected as one of Canada's leading business organizations.

Mr. Dallas has worked extensively on community fundraising campaigns, including the Rotary Club and United Way. He has also served on the David Thompson Community Health Council, the STARS Central Alberta Capital Campaign, and the Mayor's Task Force on Homelessness.

Mr. Dallas' many awards for his distinguished community service include a 2003 Queen's Jubilee Medal and a 2005 Alberta Centennial Medal. Since 2006, he has been a member of the Board of Governors of Red Deer College.

Cal and his wife Jackie and their adult children Scott and Alicia have lived in West Park, Red Deer, since 1996.

Sources: caldallas.ca, assembly.ab.ca



WAVOR WIRE LTD.

- Pre-looped Bale Ties
- Black Annealed Carrier Wire
- 100# Box Wire
- US Wire Tie Parts
- Galvanized Carrier Wire
- New & Used Balers

Toll Free 1-888-889-2867 ~ joss@wavorwire.com ~ www.wavorwire.com



www.capital-paper.com

Capital Paper Recycling Ltd in Calgary & Edmonton has been setting the Industry standard in service and performance for over 15 years.

We specialize in the following:

- Baled Cardboard & Paper Pickups
- Baler & Baling Wire Sales
- Compactor Sales & Installation
- Plastics/Electronic Recycling
- Bulk Paper/Cardboard Purges
- Now Servicing locations from BC to Ontario

**CALGARY – ph: (403) 543-3322
fax: (403) 543-3325**

**EDMONTON – ph: (780) 421-8047
fax: (780) 482-2472**

Proudly Canadian

Broker ~ Packer ~ Grader

Development of a Recycling Greenhouse Gas Offset Credit Protocol in Alberta

By Kentson Yan, Masters Degree Student, University of Alberta

Greenhouse gas (GHG) emissions are a major environmental concern. In response, Alberta Environment has set forth several strategies to mitigate GHG emissions. One strategy is regulating the GHG emissions from large industries, which led to the creation of the Alberta Offset Credit System. The system enables offset carbon credits (reduced GHG emissions) to be commodities that industries can buy and sell. Quantification protocols (under the Specified Gas Emitters Regulations) establish steps to determine and verify the amount of offset carbon credits produced.

Currently, there are several quantification protocols such as for anaerobic wastewater treatment, aerobic composting, and waste heat recovery; however, a protocol for recycling activities has not yet been developed. Recycling prevents the need to extract and process virgin resources, and the resulting GHG emission reductions have been well documented. The Recycling Council of Alberta has undertaken the task of developing a quantification protocol within the Alberta offset system for the recycling industry.

The research required in the development of a quantification protocol for the recycling industry is being undertaken in three steps: 1) survey of the recycling industry, 2) technical seed document, and 3) quantification protocol.

Survey

The purpose of the survey is to characterize the recycling industry in Alberta for 2002 (baseline year) and 2009. The characterization identifies the type of recyclables, the general flow of materials (the source of the waste and the destination of the end-products),

and the profile of the recycling industry (e.g., location and processes involved). A telephone interview with a facility representative will inquire about the feedstock composition, products produced, and company profile. The information compiled will be used in the preparation of the technical seed document.

Technical Seed Document

The technical seed document provides a fundamental framework to determine the offset credits resulting from an activity. Offset credits are the emission difference from a project condition to a baseline condition. For recycling, the project condition is processing waste into usable products, while the baseline condition is acquiring virgin resources.

Quantification Protocol

The quantification protocol is a guideline to determine the amount of offset credits a facility generates, based on the information in the technical seed document. The draft protocol is reviewed by three different committees (technical, stakeholder, and public) in sequential order. After final revisions from the public review, the quantification protocol is approved and posted by Alberta Environment.

Notice of AGM

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

**Thursday, October 14, 2010
at 11:45 a.m. at the
Fairmont Chateau Lake Louise
in Lake Louise, Alberta.**

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

Ecotainer Sales Inc.

Recycling Equipment
& Container Systems

Tom Button
Sales Manager

phone: (604) 535-7293
toll free: (800) 561-6525
fax: (604) 535-7967
email: tom@ecotainer.ca

2253 Harbourgreene Dr.
Surrey, British Columbia
Canada V4A 5J3

web: www.ecotainer.ca



We sell and service
EXCEL Balers



News

New Shingle Recycler in Alberta

Environmental Processors Inc., the Shingle Recycling Specialists, flipped the switch on July 20, 2010 to process waste shingles for recycling at their specialized shingle recycling facility, located at 6433-20 Street in Edmonton. Processed shingles are sent directly to asphalt producers to be used in hot mix asphalt cement.

For further information, contact Shane Ducholke, President, Environmental Processors, at 780.937.8402.

Walmart Canada's Sustainability Challenge Bears Fruit

In February, Walmart Canada convened 300 of the country's largest corporations for a green business summit to challenge those firms to set tough new goals for reducing their environmental impacts. The CEOs of 24 companies signed a commitment to launch a "major sustainability project" in the course of the next year to meet Walmart's challenge.

Now, six months later, seven firms across a range of industries from consumer packaged goods to home improvement stores have posted updates on their progress in meeting their self-imposed sustainability commitments. Participants include Frito-Lay Canada, Hallmark Canada, The Home Depot Canada, Kraft Canada, Kruger Products, Nature's Grilling Products and of course Walmart Canada.

For a full list of the companies that have committed to Walmart Canada's sustainability challenge, visit ShareGreen.ca.

Source: GreenBiz

California Not to Ban Plastic Bags

After contentious debate, California lawmakers rejected a bill that would have made the state the first in the nation to ban all plastic shopping bags. Opponents of the bill argued that the ban went too far to regulate personal choice.

The measure, AB 1998, which passed the Assembly in June, would have eliminated single-use plastic bags in grocery stores and pharmacies starting in 2012, and in liquor stores and convenience stores in 2013. The bill, which was rejected by the Senate, was intended to encourage shoppers to bring their own reusable totes.

Without a tote, they would have been able to buy one at the store or purchase a recyclable paper bag for 4 to 6 cents. Some California cities, including San Francisco, already have such a plastic bag ban in place.

Republicans and some Democrats opposed the bill, saying it would have added an extra financial burden on consumers and businesses already facing tough times.

Source: ABC News

Walmart Discontinues Single-Use Shopping Bags

California Walmart stores in Sacramento and Ukiah, California, have stopped offering single-use bags to shoppers in October 2009. The pilot program at three stores allows consumers to either bring in their own reusable bags or buy a reusable bag for either 15 cents or 50 cents, depending on size. The company as a whole has committed to reducing plastic bag waste by 33% per store by 2013.

Source: Earth911.com

American Samoa Approves Ban on Plastic Bags

American Samoa will make it illegal for stores to hand out plastic bags once a new law takes effect early next year.

Gov. Togiola Tulafono signed the ban into law last week. He says the measure is a step in the right direction toward protecting the natural beauty of American Samoa and its native land and sea creatures.

The law takes effect February 23, 2011. It exempts shopping bags produced entirely from non-petroleum-based biodegradable plastic and compostable plastic bags.

Source: MSNBC

Save on Disposal Costs

Turn scrap wood into useable fibre.
Let's keep all fibre out of landfill sites.



4300 - 15 Street SE, Calgary, Alberta
call 403.265.6030 Ext. 5319 email allan.thiele@iko.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?*

Recycle- Logic Inc.

- ❖ ***in business in Alberta since March 2004, Alberta owned and operated.***
- ❖ ***has over 100 drop-off sites throughout Alberta.***
- ❖ ***uses all hand tools and rechargeable batteries: On average our electric bill is \$450.00 per month.***
- ❖ ***uses a "just in time process", with no eWaste being stockpiled.***
- ❖ ***offers their customers 20-foot closed topped sea cans, eliminating extra labor costs and ensuring security of the Electronics collected.***
- ❖ ***typically pick up within a couple of days of request of service (depending on your area).***

Visit our: **Calgary eWaste Recycling Drop-off**

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 AM - 5:00 PM

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

Convenient "Drive-Through" Service

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

Proud to be Canadian



Based in Alberta

Metro Vancouver Forges Ahead with Incineration Plans

Despite controversy and public opposition, Metro Vancouver has voted to move forward with a strategy to recover energy from 500,000 tonnes of waste per year that cannot be otherwise reduced or recycled. The solid waste management plan, if approved by the province, would allow Metro to build another incinerator either within the region or send garbage to one outside the Lower Mainland, likely on Vancouver Island.

Metro would keep hauling waste to distant landfills if incineration or other waste-to-energy technologies prove impossible.

The plan has been presented to Environment Minister Barry Penner, who can approve the plan, direct Metro to make further changes or amend it himself. It's not clear how long the province could spend reviewing the document.

An environment ministry spokesperson said staff will review the plan to ensure it meets all appropriate standards, particularly around air quality and the critical requirement to reduce the amount of waste produced.

If the plan is accepted, Metro would then establish an independent review panel that would help frame a request for proposals that would be open to any waste-to-energy technology.

The plan also commits Metro to aggressive waste-reduction steps – including composting of all residential organics – to boost the recycling rate from 55% now to a minimum 70% by 2015 and 80% by 2020.

The existing waste-to-energy plant in Burnaby burns about 280,000 tonnes of garbage per year. Under the plan, Metro would continue using both the Burnaby incinerator and the Vancouver Landfill in Delta.

Source: BC Local News

UK May Have to Import Waste to Feed Incinerators

Environmental groups are demanding an end to the building of new waste incinerators in the UK, which they say will undermine recycling. Experts question whether Britain will produce enough household waste to fuel energy-from-waste plants as the country improves its recycling efforts. And they warn that waste will have to be diverted from sustainable recycling schemes or imported from elsewhere to keep a rash of new planned waste incinerators working.

The UK has 25 waste incinerators, but, according to the UK Without Incineration Network, there are a further 65 "potential" incinerators outlined for England, nine in

Scotland and one for Wales. Environmentalists are calling for a moratorium, urging the Government to take a more sustainable approach to waste management.

In Hampshire, where the Veolia waste contractor operates three incinerators, a shortage of municipal waste has already led the company to seek to vary the plants' planning conditions to allow them to process more commercial waste and, potentially, import waste from outside the county.

Campaigners warn that the possibility of overcapacity in the UK arises because waste levels across the country are now in decline as Britons get better at recycling. Official statistics show collected municipal waste in England alone decreased by 4.1% to 27.3 million tons in 2008-09, compared to 28.5 million tons in 2007-08. The proportion of municipal waste being recycled or composted increased from 34% to 36.9% in the same period, while waste incinerated with energy recovery rose from 11.1% to 12.2%. Landfill disposal fell from 54.4% to 50.3%.

Source: RRF Email News Service



metrowaste.com

METRO Waste Paper Recovery Inc.

is proud to be one of North America's leading Collectors, Processors, Buyers and Marketers of recyclable materials since 1979.

We provide comprehensive recycling and waste services for Industrial, Commercial, Institutional, Municipal and Rural sectors across Canada and in the United States.

Contact one of our Materials Recovery Specialists to learn how METRO can help you too become;

Green...
by Nature

Edmonton
780•464•4761

Calgary
403•243•5700

UK Targets Zero Waste

The United Kingdom government has launched a review of waste policies in England with an eye on working towards zero waste.

The main focus of the Department for Environment, Food and Rural Affairs (Defra) review is policies that can reduce the amount of waste created and maximize recycling and reuse. The review will also look at how waste policies are affecting communities, households and businesses.

The UK government's vision of a zero waste economy includes putting a value on all resources, making all waste a resource in some way, and sending as little waste to landfills as possible.

Source: GreenBiz

US Conference of Mayors Calls for Producer Responsibility

The US Conference of Mayors (USCM) has adopted a resolution urging state and federal "producer responsibility" legislation. Such legislation is designed to shift the cost of "managing problematic product and packaging waste away from taxpayers and local governments to producers and the consumers of their products," according to a news release.

USCM adopted the resolution at its annual conference

in June. The resolution is based on language developed by the Product Policy Institute that has been adopted by nearly 100 jurisdictions in California as well as local governments in New York, Massachusetts, Minnesota and Texas.

The National League of Cities and the National Association of Counties have adopted similar resolutions.

Source: Waste Age

Florida Governor Vetoes Repeal of Yard Waste Ban

Florida Gov. Charlie Crist has vetoed House Bill 569, which would have overturned the state's long-standing ban on disposing of yard waste in landfills. The bill would have required facilities accepting yard waste to "make beneficial use" of the resulting methane but Crist had concerns "about the lack of Florida-specific data" showing that "the proposed practice would result in a net reduction of greenhouse gases or a savings to consumers," according to the governor's veto letter.

"Florida is a leader in recycling," Crist wrote in his letter. "I am concerned that this bill will be a step backwards in our efforts. Additionally, maintaining a ban on yard trash disposal in a Class I landfill means it will extend the life of these costly and difficult-to-site facilities."

Source: Waste Age



WHY LANDFILL DRYWALL WHEN IT CAN BE RECYCLED BACK INTO NEW DRYWALL ...

GREEN BUILDING PRACTICES

Green building is growing in momentum. Everything from recycling construction waste to greener building products is becoming more common. LEED is a huge driving force behind this movement towards greener buildings.

NWGR supplies documentation to the LEED Certification board confirming that all drywall waste entering our Calgary facility is being 100% recycled.

CertainTeed Gypsum uses our recycled gypsum in their drywall manufacturing process, giving their gypsum board the highest recycle content in the Calgary market.

CALGARY FACILITY

6715 Ogden Dale Rd SE. Calgary, Alberta
Open Monday to Friday 7am to 4pm
Closed weekends and holidays.
Gate rate: \$62.00 per metric tonne (credit account customers only, accounts available upon approved credit)
Our facility can handle small loads, ROLLOFFS and 53' walking floor trailers.
For information on our recycling process and tipping fees please contact Richard Marsh:
Toll Free: 1.800.965.8870 or Cell: 1.604.786.2182
Email: richard.marsh@nwgypsum.com

NOW OPEN IN CALGARY!



www.nwgypsum.com
CANADA • U.S.A • UNITED KINGDOM • FRANCE • BELGIUM

News

SunChips' Green Packaging Criticized for its Noise

Comments about the noise made by the 100% compostable bags that Frito-Lay uses for SunChips are entering through the blogosphere and drawing traffic to social media sites.

A litany of complaints, most of them good-humored, as well as some praise for Frito-Lay's environmental efforts can be found on the new Facebook group, "SORRY BUT I CAN'T HEAR YOU OVER THIS SUN CHIPS BAG," which has more than 30,000 fans.

In an industry first, Frito-Lay rolled out chip bags for 10.5-ounce packages made from 100% polylactic acid (PLA), a corn-based biopolymer. The bag fully decomposes in about 14 weeks when placed in a hot, active compost pile or bin, according to the company. The material makes a distinct crackling sound when the bag is opened.

The Frito-Lay people have provided a sign for stores to use. It reads: "Yes, the bag is loud, that's what change sounds like." Meanwhile, the company's R&D people are exploring ways to make the packaging quieter.

Source: GreenBiz

Seattle Bans Single-Use Restaurant Packaging From Landfills

Seattle, followed closely by the City of Issaquah next year, is officially the first market area in North America to require single-use food service packaging be either compostable or recyclable.

Put into effect July 1, 2010, the ordinance requires restaurants, coffee shops, food courts, cafeterias and other food service businesses to stop throwing away single-use food-service ware and packaging including napkins, paper bags, wooden coffee stir sticks, clamshells and hot and cold beverage cups and lids among others. Food establishments using compostable or recyclable food service products are required to provide collection bins for customers.

The city has contracted with Cedar Grove Composting to accept the commercial food-service products and provide restaurants with an accepted list of compostable items. The resulting compost will be sold for use in gardens and landscaping.

Similar regulations for single-use food service packaging are being tried in San Francisco and are also planned in Toronto.

Source: Earth911.com

TD Closes the Paper Recycling Loop

TD Bank Financial Group recently announced its participation in paper manufacturer Boise Inc.'s Closed Loop System™, a paper recycling program that guarantees at least 1,500 metric tonnes of paper from TD's operations in Canada and the US are diverted from landfills and used in the production of recycled office paper. TD will then purchase the recycled paper to use in its operations – hence the closed loop system. TD is the first Canadian company to participate in a closed loop recycling system and the first to have one that is North America-wide.

Each year, TD purchases 3,500 metric tonnes of Forest Stewardship Council certified office paper for its North American operations. Approximately 1,050 metric tonnes of recycled material are needed to manufacture the 3,500 metric tonnes of paper used by TD – the bank delivers to its partners 1,500 metric tonnes to ensure adequate supply.

The closed loop recycling program is part of TD's goal to manage and perform its daily operations in a manner that reduces its environmental impact.

Earlier this year, TD became the first North American-based bank to ensure its global operations are carbon neutral.

Source: Solid Waste & Recycling

One Simple Act can change the world. What will you do?



onesimpleact.alberta.ca

Government of Alberta ■

Ontario HHW Program: Iteration 2

The expansion of Ontario's Municipal Hazardous and Special Waste (MHSW) program to a wider range of products on July 1 was poorly managed and poorly communicated, leading to a public backlash.

The Ontario government has responded by temporarily picking up the cost of the stewardship program while it is retooled. The province will cover fees on the new range of MHSW products November 20. David Suzuki, in an article published in several Canwest newspapers, defended the program, calling extended producer responsibility "of one of the best ideas to come to Ontario in a long time".

The government, Waste Diversion Ontario and Stewardship Ontario have already benefited from an analysis of the program by the province's Environmental Commissioner. The Commissioner is not known to pull his punches, and his July 27 report, *Getting it Right: Paying for the Management of Household Hazardous Wastes*, strongly urges the government not to throw out the baby with the bath water. "While not perfect, the MHSW program as approved in September 2009 is a good plan that should not be scrapped," the Environmental Commissioner writes.

The report makes two specific recommendations for the re-tooled MHSW program. One, it should cover all

costs of end-of-life management. The current program only covers the cost of products captured in the program. The cost of regulated products that still make it to landfill are not included. The second recommendation relates to fee-setting, and again raises the concern that a flat fee per material category does not provide a market incentive to manufacturers to redesign products to reduce their environmental impact. The report recommends a fee-setting mechanism that reflects actual end-of-life management costs per product.

Source: Recycling Canada



ORGANICS RECYCLING IS WORKING!

WITH MILLIONS OF BINS ALREADY IN USE, WE ARE **THE** ORGANICS RECYCLING EXPERTS

Functional, durable, and easy to open, close and transport, the 12 gallon **Green Bin** is immensely successful with residents, collectors, and municipalities. Easy for collectors to open, handle, and empty (even with heavy gloves), yet resistant to pests. Simple, ergonomically friendly, and secure.

The
Green Bin
CURBSIDE ORGANICS COLLECTOR



The mid-sized 21 gallon **Green Bin+** is designed perfectly to meet emerging market demand for larger, domestic and commercial applications. This mid-sized wet organics recycling bin meets and exceeds the requirements for semi and fully automatic collection while remaining user friendly. Designed with aesthetics in mind, the Green Bin+ stands as the preferred choice for curbside organics collection programs with semi or fully automated lifters.

the
GREEN BIN **PLUS**
curbside organics recycling bin

The 2 gallon **Kitchen Collector** is the perfect companion, right-sized for easy plate scraping and to promote frequent emptying. Durable, dishwasher safe, fits under faucets, and snaps tightly closed.



PHONE 888.675.2878
EMAIL: ENVIRO@NORSEMANENVIRONMENTAL.COM
WEB: WWW.NORSEMANENVIRONMENTAL.COM

NORSEMAN
ENVIRONMENTAL PRODUCTS
AN **ORBIS** COMPANY

News

Recycling Primary Concern for Beverage Consumers

According to a recent BeveragePulse study on consumer attitude and purchasing behavior, environmental concerns have a major impact on beverage purchases and consumption.

When asked the most important environmental concerns when it comes to packaged beverages, “recycling” was cited most frequently at 45%, with “landfill issues” following at just under 20%.

The majority of respondents (56%) indicated that recycling rate or recycled content is the most important attribute of a sustainable or environmentally friendly package, with “made from renewable resources” following at slightly more than 20%.

As the report points out, much has been written about the decline in sales of bottled water due to environmental concerns. To understand this better, respondents were asked about environmental concerns in the bottled water industry.

35% responded that addressing environmental issues and sustainability is more important for bottled water than

for other packaged beverages.

On the other hand, in regards to carbonated soft drinks and other packaged beverages, “better for my health” and “lower prices” dominated the responses when asked “what would make you most likely to buy more?” For the same question, “better for the environment” was the most frequent response for bottled water.

Packaged material perception is an interesting factor to look at when studying consumer behavior. In general, respondents clearly indicated glass bottles and aluminum cans were best for the environment, with plastic bottles trailing at No. 3.

Source: Earth911.com

Mushroom-Based Packaging Uses 98% Less Energy than Styrofoam

A packaging material made of mushroom roots and agricultural waste is lowering its energy footprint further with new sterilizing technology.

Ecovative Design, the maker of EcoCradle packaging and Greensulate insulation, creates its products by growing mushroom fibers on waste like cotton seed, wood fiber and buckwheat hulls.



recycle and receive a refund

Return your beverage containers to your nearest bottle depot for recycling and a refund of either 10¢ or 25¢! They are **ALL** eligible for a refund.

bcmb
BEVERAGE CONTAINER MANAGEMENT BOARD

www.bcmb.ab.ca

To keep other spores off of the material, Ecovative uses a steam heat process, but with the help of an \$180,000 grant from the National Science Foundation (NSF), it's working on a sterilization treatment made with natural oils that uses significantly less energy.

Ecovative's MycoBond technology already consumes one-tenth the energy used to manufacture foam packaging. The new treatment, made with a mix of cinnamon bark oil, thyme oil, oregano oil and lemongrass oil, lowers its energy needs down to one-fortieth, or about 2.5%, of that of foam.

The new method also allows Ecovative to grow its materials in the open air, and not just in the clean room environments it currently needs to grow. To make its packaging and insulation, Ecovative creates plastic molds, fills them with agricultural waste and adds mycelia, mushroom roots, which grow around and digest the waste. Once the material has grown into the shape, it's heat treated to stop the growth, and the packaging is done.

Source: GreenBiz

Wondering Where to Recycle Your Stuff?

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

Naya Takes Next Step to Reduction

Quebec-based Naya Spring Water, which earlier this year made news by introducing 100% recycled PET packaging, has gone a step further by eliminating the packaging altogether.



At the inaugural Montreal Complettement Cirque festival, a two-week-long celebration of circus arts, Naya Spring Water introduced the Naya Fountain, which distributed Naya Spring Water in bulk.

Festival attendees were welcome to fill their own reusable cups or bottles from a fountain holding more than 600 litres of Naya water kept cool with dry ice. The fountain was installed with the support of Jour de la Terre Quebec.

For more information, contact Naya Spring Water at 1.888.456.6292.

Source: Recycling Canada



PROBLEM.



SOLVED.

Avoid the hassle of overflowing blue boxes with Glad® Blue Recycling Bags.

Their dependable strength and larger capacity means you can recycle more without the spills or messy clean up.



News

San Francisco Continues to Lead Diversion

Recycling and composting helped the city of San Francisco divert 77% of its garbage from landfills in 2008 – the highest of any city in the US.

The city's performance pushed it past its 2010 waste diversion goal two years early. Its original goal was to divert 75% of its waste from the local landfill by 2010, and to send no waste to landfills by 2020.

The city credits its recycling and composting programs with helping it reduce landfill waste. The figures, however, are for 2008, the last year for which data is available. But it wasn't until late 2009 that the city's mandatory recycling and composting program went into effect requiring all residences and businesses to compost food scraps, yard trimmings and soiled paper.

Since the law went into effect, composting in the city has risen 45% to nearly 600 tons of compostable materials a day, compared to 400 tons a year ago.

Source: GreenBiz

Waste Threatens China's Three Gorges Dam

Chinese efforts to battle floods across the vast country are being threatened by tonnes of waste caught in the Yangtze River and now on a collision course with a hydroelectric dam.

The Three Gorges Dam has, so far, limited the impact of devastating floods across the country. However, garbage washed into China's rivers as a result of the flooding has raised concerns over potential blocking of the lock gates through which the water flows to power the dam. It was reported that more than 3,000 tons of trash was being collected at the dam every day, and about 10 million yuan (\$1.5 million) is spent each year clearing floating waste by the dam.

Source: Edie.net and MSNBC

Wondering Where to Recycle Your Stuff?

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

Recycling Council of Alberta Conference & AGM

Building Tomorrow

October 13 – 15, 2010

The Fairmont Chateau Lake Louise,
Lake Louise, AB

Events

- Chateau Eco Tour
- Nature Walk
- Gala Banquet
- Rs of Excellence Awards
- Exhibits & Networking Opportunities

Sessions

- Building Awareness
- Communities of Tomorrow
- Corporations of Tomorrow
- Building Municipal Systems
- Issues of the Future
- Biodegradable Plastics

Keynote

Speakers

- Jennifer Koole (Masdar City)
- Jerry Powell (A Vision of Tomorrow)



Recycling Council
of Alberta

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



Coming Events

Canadian Environmental Network's 2010 Conference
"Conserving Biodiversity Pays: The Values of Ecosystem Services", September 17-19, 2010, Montreal, QC,
www.rce-cen.org

"Celebrating our Roots and Digging into our Future... Compost!", 20th Annual National Compost Conference, presented by the Compost Council of Canada, September 22-24, 2010, Ottawa, ON, www.compost.org

Rubber Recycling 2010 **"The Evolution of Tire Recycling"**, hosted by the Rubber Association of Canada, Sept. 29-Oct. 1, 2010, Toronto, ON, contact: 1.888.627.7175, www.rubberrecycling.ca

"Turning the Tide", Saskatchewan Waste Reduction Council's Fall 2010 Forum, Sept. 30 - Oct. 1, 2010, Humboldt, SK, contact: 306.931.3242, www.saskwastereduction.ca

2010 C&D Recycling Forum, hosted by Construction & Demolition Recycling Magazine, October 3-5, 2010, Baltimore, MD, contact: 330.523.5400, www.CDRecycler.com/forum

"Building Tomorrow", 2010 Recycling Council of Alberta Waste Reduction Conference, October 13-15, 2010, Lake Louise, AB, contact: 403.843.6563, info@recycle.ab.ca

Waste Reduction Week in Canada, October 18-24, 2010, www.wrwcanda.com

2010 Remediation Technologies Symposium (RemTech), presented by the Environmental Services Association of Alberta (ESAA), October 20-22, 2010, Banff, AB, contact: 1.800.661.9278, info@esaa.org

"Environmental Education – It's Not Just For The Kids!" Coast Waste Management Association 2010 Conference, October 20-22, 2010, Parksville, BC, contact: 250.733.2213, www.cwma.bc.ca

Resource Recycling Conference, October 26-27, 2010, San Antonio, TX, contact: 503.233.1305 x 111, www.rrconference.com

Canadian Waste Sector Symposium - Waste To Resource, presented by the Ontario Waste Management Association (OWMA), November 1-3, 2010, Toronto, ON, contact: 905.791.9500, www.owma.org

2010 Canadian Waste & Recycling Expo, November 3-4, 2010, Toronto, ON, contact: 1.877.534.7285, www.cwre.ca

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

Market Updates

	Per Tonne Trend	
Glass		
Coloured	0	↔
Plate	0	↔
Paper		
Cardboard (baled)	60-80	↔
Cardboard (loose)	45-60	↑
Office Pak (loose)	50-90	↓
Mixed (loose)	25	↑
Magazines (loose)	25-40	↓
News (loose)	35-40	↓
Plastic		
HDPE Natural (baled)	200-250	↑
HDPE Coloured (baled)	40-100	↑
Clear PE Film	120-125	↓
Coloured PE Film	0-10	↓
Metal		
Steel Food Cans	not available	
White Goods	90	↔

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.