Recycling & Environmental Action & Planning Society

REAPS



REPORT

Hotline 250-561-7327

www.reaps.org

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September 2011

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Dumpy's Tip of the Month Recycle Craft Membership Application

Increase in Stewardship Programs for BC

British Columbia's Industry-led Product Stewardship programs require producers of designated products to take Extended Producer Responsibility (EPR) for the life cycle management of their products, including collection and recycling.

The Organization for Economic Co-operation and Development (OECD) defines Extended Producer Responsibility (EPR) as an environmental policy approach in which a producer's responsibility, physical and/or financial, for a product is extended to the post-consumer stage of a product's life cycle. There are two key features of EPR policy:

- (1) the shifting of responsibility (physically and economically) upstream to the producer and away from municipalities, and
- (2) to provide incentives to producers to take environmental considerations into the design of the product.



In May 2011, the <u>Recycling Regulation</u> was amended to include Packaging and Printed Paper as a product category. By May 2014 producers of Packaging and Printed Paper are required to implement a stewardship program for the collection and recycling packaging and printed paper in BC.

Please refer to the <u>Recycling Regulation</u> or <u>Recycling Regulation</u> <u>Guide</u> for information on how to comply with the regulation, including assistance in developing a Product Stewardship Plan. The Ministry of Environment has released this handy information sheet with common questions and answers regarding the recent amendment to the Recycling Regulation to include packaging and printed paper.

http://rcbc.bc.ca/files/u7/epr_110620_moepackaging.pdf

Public Meetings on Packaging and Printer Paper EPR in B.C.

Prince George - Tuesday October 11, 2011 The Coast Inn of the North

770 Brunswick St. 12:30pm - 2:30pm

Please RSVP to Colm.Condon@gov.bc.ca if you plan to attend.

REAPS NEWS

Web Pick of the Month

http://www.return-it.ca/beverage/products/

Want to find out which containers can be returned? Want to know more about deposits, refunds and recycling fees? This is the place to look!

Return-It Beverage

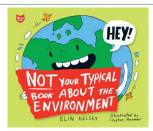
Book of the Month

Not Your Typical Book about the Environment

Written by Elin Kelsey ISBN: 978-1-897349-84-7 Ages 9 to 12

how all is not lost.

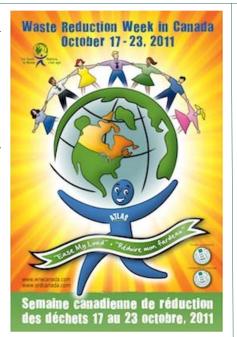
We live in a time of heightened environmental awareness, and the stress of this pervasive alarmism is creating a generation of kids with feelings of eco-anxiety -- the world is doomed, isn't it? Maybe not. *Not Your Typical Book about* the Environment aims to allay some of these fears by showing



October - Waste Reduction Week

Waste Reduction Week is almost here! We want to challenge you to reduce your ecological footprint through the actions and activities. And we hope to inspire you to come up with your own, unique, creative ways to reduce waste.

Since 2001, National Waste Reduction Week in Canada (WRW) has been organized by a coalition of nongovernment, not-for-profit environment groups, including RCBC, from each of the 13 participating provincial and territorial jurisdictions across Canada.



Watch for Children on the Streets - School Begins September 6th

Communities are using the walk or bike to school as the first step to change community culture and create environments that are more inviting for everyone, young and old. Here are some reasons to support walking and biking to school:

To enhance the health of kids

Increased physical activity can combat a host of health problems facing kids today.

To improve air quality and the environment Replacing car trips to school with walking or bicycling can help reduce air pollution.

To create safer routes for walking and bicycling

Sidewalks, education programs and traffic calming measures are some of the ways to improve conditions.

Don't be a taxi-driver, let your kids cycle to school. Cycling kids are confident kids, more independent and brainier to boot. Just 15 minutes cycling to and from school could make a real difference to your child's fitness, establishing habits of healthy activity that could be lifelong. REAPS is promoting Bike / Walk to School Day September 16th and October 5th.



VOLUNTEER

OPPORTUNITIES

Contributions from volunteers are fundamental to every community. Exciting opportunities are available with REAPS; join others in promoting the 3Rs & providing Environmental Education in our community.

MANNING COMMUNITY
BOOTHS - Various times
throughout the year REAPS
participates at community
events / fairs with a display
booth. If you have some time
and are interested in responding to participants.

VOLUNTEERS - needed for the annual recycle toy drive November 26th 10 - 2 p.m.

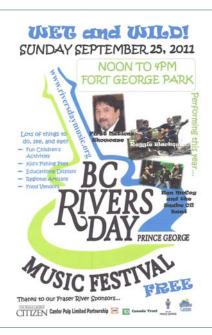
WEBMASTER - updating periodically our website

BOARD MEMBERS - are you interested on sitting on a environmentally conscience NGO? Commitment of 2 hours per month.

WRITERS - If you think you have something to contribute to this newsletter, your words would be *greatly* appreciated.

Interested in one of the above? Contact Terri at 250-561-7327 or e-mail volunteer@reaps.org.

LOCAL NEWS



Purden Eco-Quest ~

Community Conservation Celebration

Purden Lake Provincial Park - September 17th from 1-6pm to celebrate 100 years of parks conservation. Explore the parks of the inland wet temperature rainforests with UNBC scientists, outdoor guides and park staff. There will be activities for all ages.



ATTENDANCE is FREE.

Schedule and activities for the day can be found at

http://www.unbc.ca/ortm/purden ecoquest.html

Curbside Recycling Canned by Provincial Changes

Source: Prince George Citizen WEDNESDAY AUGUST 31, 2011

Proposed changes to provincial recycling legislation have put curbside recycling on hold in Prince George.

In May the provincial government passed an order in council to make producers of packaging materials and printed

paper products - including newspapers, phone books and flyers - physically and financially responsible for the collection and recycling if their used products. Producers will have until November, 2012 to submit stewardship plans to the provincial government and implementation must be completed by May, 2014.

Regional District of Fraser-Fort George environmental services manager Petra

Wildauer said the regional district had nearly completed its three-year feasibility study on curbside recycling when the province announced the changes.

"The feasibility study provided options on how to implement a curbside recycling program," Wildauer said. "The ultimate goal of the stewardship program is to defer the responsibility of the end of life to the producer... not the solid waste management system."

Ontario, and many European countries, have stewardship programs for paper and packaging already in place, Wildauer said.

"Ontario is a highly-challenging province to discuss," Wildauer said. "Yes, curbside recycling is in place. [But] there is huge discussion of who should pay for what. That's essentially why our board decided to hold off until we have some clarity around who will pay."

Product stewardship programs are already in place in B.C. for products including beverage containers, tires, electronics, lead-acid batteries, used paint, oil, antifreeze, solvents and pharmaceuticals.

In 2009 the Canadian Council of Ministers of Environment set national targets for extending product stewardship to packaging and printed materials by 2015. By 2017, the goal is to further extend product stewardship to construction

and demolition waste, furniture, textiles, carpets and appliances.

Had the province not legislated the product stewardship changes, Wildauer said, the regional district would now be in a position to develop a curbside recycling plan.

"The feasibility study provided capital costs and per household costs. That would have allowed the board of directors, and the city [of Prince George], to begin the hurdle of budgeting for programs."

Note: For more information on provincial stewardship programs go to: http://www.env.gov.bc.ca/epd/recycling/

AROUND BC

B.C. Small Appliances Recycling Program post-poned (again) to October 1st

In the coming months, CESA will establish and operate a collection system across BC to collect the end-of -life appliances. The full list of depots will be available on the depot page on October 1, 2011 on their website at http://www.cesarecycling.ca/.



OPEI, CESA and LightRecycle Product Stewardship Programs -Sept. 16th in Prince George

The Outdoor Power Equipment Institute (OPEI), the Canadian Electrical Stewardship Association (CESA) and Product Care Association (LightRecycle program) are conducting public consultations to review their respective product stewardship plans prior to the filing of those plans with the BC Ministry of Environment (BCMoE) under the Recycling Regulation. The plans must be filed with BCMoE by October 1, 2011. You are invited to attend public consultation events or submit written comments to provide feedback on the following plans:



OPEI - Outdoor Power **Equipment**

The Outdoor Power Equipment Institute (OPEI) stewardship plan covers

outdoor power equipment. View the draft OPEI plan: www.opei.ca

Product Care - LightRecycle Program Expansion

The Product Care LightRecycle program began July



1, 2011 and is currently limited to residential-use fluorescent lamps. The draft stewardship plan

which is the subject of this consultation describes the expansion of the LightRecycle program, effective July 1, 2012, to cover lamps and lighting equipment, including fixtures, from both the residential and commercial sectors. View the draft BC LightRecycle Expansion plan: www.productcare.org/BC-Lights-Expansion

CESA Program Expansion - Part 2: Phase 5 Electrical Products

CESA The CESA Part 1 plan for "small appliances" was approved by BCMoE and launches October 1, 2011. This

consultation concerns the CESA Part 2 plan which covers additional product categories listed in "phase 5" of the electrical products schedule of the Regulation including:

- power tools
- •sewing machines, knitting machines, and other textile processing machines
- sports, leisure and exercise equipment
- arts, crafts and hobby devices View the draft CESA Part 2

plan: www.cesarecycling.ca/program-expansion Register at www.bcstewardconsultations.ca

No dump for Surrey's mattresses

Just put your mattress on the curb, and the city will take it away in Surrey, anyway. Many Surrey residents can thank the city for the option to have old mattresses picked up from the curb and recycled for free. In other Metro Vancouver regions, such as the City of Vancouver and the City of Langley, residents must foot the bill themselves.

Mattress recycling is on the rise, following a move by Metro Vancouver banning mattresses from the garbage at the beginning of 2011. Data from the three mattress recyclers in the region

Source: http://www.thenownewspaper.com/story_print.html?id=5292910&sponsor

showed that more than 47,000 mattresses or box springs were recycled so far this year, according to a Metro Vancouver press release dated Aug. 15.



There are a few ways for people to recycle mattresses: drop them off at Metro Vancouver transfer stations for a \$20 per unit recycling fee or go direct to a private company for cheaper rates, as low as \$12 per unit. But for those in single-family homes in Surrey, it's free, offered through the Large Item Pickup Program.

AROUND CANADA

RONA First National Retailer to Recover Unused Paint in Western Canada

The Canadian # How-To People

Source: MarketWatch

RONA, 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 instore paint recovery program in British Columbia, Alberta and Saskatchewan.

Starting today, consumers can drop off cans of any brand of old or unused paint at any RONA or TO-TEM Building Supplies store, no purchase necessary. By promoting the recovery of paint products,

RONA provides consumers with an easy, convenient and economical way to do their part in protecting the environment.

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 percent of the recovered paint has been recycled, producing 9.3 million kilograms of paint - equivalent to 4.9 million gallons.

"At RONA, our goal is to help Canadians adopt eco-friendly habits and responsible consumption," says Luc Rodier, RONA's Vice President - Western Canada. "We believe the correlation of green consumer habits is closely tied to availability and convenience and know from experience that it is easy for customers to remember to bring their unused paint to our stores when shopping for hardware and home renovation products."

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. In-store promotions will continue to remind

RONA and TOTEM Building Supplies customers to help keep unused paint out of landfills and waterways by participating in the recovery program.

All types of home paint - latex, alkyd and stains - are accepted under RONA's recovery and recy-

cling 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 preservative. A detailed list of the specific products that are accepted is available at ronaeco.ca. RONA participates in paint recovery and recycling in partnership with industry funded organizations, including the Product Care Association (PCA). The PCA manages product stewardship programs for household hazardous and special waste on behalf of its members across Canada.

RONA ECO and eco-responsible products

RONA stores now offer more than 450 RONA ECO products, including RONA ECO paint and a wide selection of eco-responsible paints, stains and varnishes under various brands. These, and all products in the RONA ECO line, adhere to the strictest standards and ecolabel requirements, assuring Canadians that they generate a smaller environmental footprint than equivalent standard items. More information about RONA ECO products is available at ronaeco.ca.

The Environmental Short Film Competition . . . with a Twist!

.Here's your chance to put on your producer/director/art director/cinematographer/sound engineer/actor's hats all at once and produce the most mind blowing movie trailer of all time!!

You can use animation, live action, claymation, Lego, toy soldiers or sock puppets, in any genre you like such as drama, horror, comedy, sci-fi, action,

romance, musical, parody, satire or wherever your creative energies take you.

There are a few simple rules to follow (see the list at http://rcbc.bc.ca/trailer-trashed).

Please make sure you read and follow the rules or your entry will not be accepted.

Entries will be judged by a panel of RCBC staff, sponsor representatives and film industry experts.



AROUND THE WORLD

Tetra Pack signs deal with South African paper mill to recycle beverage cartons Source: DBR Technology

Swedish food processing and packaging major, Tetra Pak, has signed an agreement with Gayatri Paper Mills in Germiston, South Africa to use hydropulping technology to recycle the milk and juice cartons and use the fibre to produce board for secondary packaging.

In the process of recycling, Gayatri Paper Mills is expected to use hydropulping to separate the multilayer, made up of 75% paper-board, with a 25% component of poly- ethylene (PE) and foil, reported Engineering News.

After separation, the pulp will be used in the production of secondary packaging, while the PE and foil component is aggromulated - a cold friction process used to separate the materials and palletized for use in the manufacturing plastic products.

The local recycling of juice and milk cartons, produced by it has

created 18 jobs removing the need to ship the recovered cartons to India for recycling.

Tetra Pak South Africa environmental manager Rodney Reynders said the company was exporting, recovered cartons and valuable fibre instead of reusing them locally. "Our message to consumers is that cartons can be recycled. Place your cartons with your recyclable waste and allow it to be recycled into other products," Reynders added.

Tetra Pak South Africa is a member of recycling body the Recov-

ery Action Group of South Africa to improve recycling.



Tetra Pak Sets New 10-Year Targest for Carbon Emission Capping Source: SynTao Sustainability Solutions

Tetra Pak, the world leader in food processing and packaging solutions, has announced that it plans to cap carbon emissions at 2010 levels by the end of 2020 and increase efforts to double the recycling rate for used beverage cartons by the end of the decade.

The 10-year targets are part of an ambitious new environmental program that is designed to deliver on the company's ultimate aim of providing sustainable packaging using only renewable materials, achieving a minimal environmental footprint and creating zero waste.

Environmental efficiency has always been at the heart of Tetra Pak's strategy because it is critical to both business performance and to society as a whole. The ambitious targets announced reinforce the company's commitment to deliver solutions that achieve sustainable profitable growth for both Tetra Pak and its customers:

- Climate: Tetra Pak aims to cap carbon emissions at 2010 levels by the end of 2020 while continuing to grow. With an estimated 5 per cent compound annual growth rate achieving this goal would require a 40 per cent relative reduction in CO2 equivalent emissions. This target not only includes Tetra Pak's operations, but those across the entire value chain, meaning that it will ask suppliers to meet agreed on targets and support customers' activities to reduce their own emissions.
- Recycling: By 2020, Tetra Pak is committed to help double the global recycling rate of its used beverage cartons to provide valuable raw materials for a host of new products. With an estimated 5 per cent compound annual growth rate achieving this goal would mean that about 100

billion used beverage cartons are recycled in 2020 alone. This is done through active engagement in the entire recycling value chain; from technology development, efficient collection and sorting schemes and increased consumer awareness.



- Responsible sourcing: Tetra Pak aims to increase the supply of Forest Stewardship Council (FSC) certified paper board used in its products to 100 per cent, with an interim target to achieve 50 per cent in 2012. Tetra Pak works closely with its suppliers and other stakeholders to increase access to FSC-certified wood fibre. By the end of 2011 alone, the number of Tetra Pak cartons carrying the FSC logo will nearly double from 2010 levels to 16 billion.
- Sustainable products: Tetra Pak aspires to develop packaging material based on 100 per cent renewable materials. Its cartons are already mainly based on paperboard from a renewable resource, wood fibre, and Tetra Pak is taking important steps towards increasing the renewable content. The company has signed an agreement with Brazilian producer of green polyethylene, Braskem, in order to launch caps

containing renewable polymers made from sugarcane in 2011.

"Today Tetra Pak has made the scale of its environmental ambitions crystal clear," said Tetra Pak President and CEO Dennis Jönsson. "These are tough targets and achieving them will be a real challenge — but we are investing innovative thinking, industry leading expertise and real commitment to meet them. We are raising the bar again, because environmental performance is critical to enabling sustainable and profitable growth, both for Tetra Pak and our customers."

Tetra Pak has always driven improved environmental performance, from a focus on resource, energy and waste efficiency in the 1970s through to today's solutions that tackle broader and more complex climate change challenges. Tetra Pak announced earlier this month that it has achieved, and in some cases exceeded, its five year environmental targets, set between 2005 and 2010:

- Through improved energy efficiency and with increased use of renewable energy, Tetra Pak has cut its absolute CO2 eq. emissions by 12.9 per cent while increasing production by over 23 per cent over the last 5 years (a relative reduction of more than 30 per cent), according to just released independently audited figures.
- In 2010, 40 per cent of Tetra Pak's paper board supply was FSC certified, with 8.5 billion cartons carrying the FSC logo.
- 30 billion used Tetra Pak cartons were recycled around the world in 2010, a twofold increase since 2002, diverting 473,000 tonnes of material away from landfills and providing valuable raw material for new products.

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Grain Bag Recycling Program Launched

The two senior levels of government will spend \$200,000 on a pilot program to recycle

a pilot program to recycle 2,000 tonnes of agricultural plastic in Saskatchewan, including an innovation to roll used grain bags.

Disposing of grain bags has been a problem for prairie farmers.Brady Brown, one of the brothers who helped in-

vent the bag rolling machine in the Milestone, Sask., area, said the

device will allow producers to re-



cycle used grain bags rather than burning or burying them.

"We had the grain bags on our

farm about two years ago," said Brown. "We got them and we knew right away we would have a problem just from seeing them in the neighbours fields in the fence lines."

Source: CBC News

After the bag is rolled, it can be taken for recycling to one of seven drop-off spots across the province.

Seattle Single-Family Homes Now Recycle 70 Per Cent of Waste

Source: The Seattle Times

Seattle has set an all-time high for recycling, diverting 53.7 percent of its waste from landfills to recycling facilities or turning it into compost, according to a city report released Wednesday.

That number, for 2010, was 2.6 percentage points higher than in 2009. That's the largest increase since 2006, according to the report by Seattle Public Utilities (SPU).

SPU found commercial recycling increased the most. The rate moved from 54.9 percent in 2009 to 58.9 percent in 2010. A strong market for recycled paper accounts for most of the increase.

The single-family rate was 1.6 points higher, reaching 70.3 percent. Increased food-waste collection accounted for most of this increase. SPU has a goal of diverting 60 percent of waste to recycling and composting by 2012. At that rate, the city will be saving \$2 million in garbage disposal. Changes in the city's curbside recy-

cling and composting in 2009 were the biggest reasons for the recycling gains. That year, the city allowed more items to be recycled and made the pickup of compostable garbage weekly, rather than bi-weekly. Further, all recyclables



were put in one cart, rather than two or three.

In addition, the city made it law that all takeout plates and cups from fast-food restaurants be compostable.

The city also allows residents to opt out of receiving yellow-page phone books and now requires mandatory food-waste collection for apartments and condominiums.

"Seattle's businesses and residents deserve a standing ovation for their steadfast commitment to recycling and

composting," said Mayor Mike McGinn, in a news release. "Their efforts have made Seattle one of the most environmentally friendly cities in the nation."

Overall, Seattle deposited 335,000 tons of waste into a landfill in Oregon in 2010, 16,000 fewer tons than in 2009 and more than 140,000 tons less than the city sent in 2000. SPU said it costs Seattle nearly twice as much to send material to the landfill, 300 miles away, than to recycle it.

SPU said about half of the city's garbage is made up of recyclable or compostable material.

To reach the goals of diverting 60 percent of solid waste to recycling and composting by 2012 and 70 percent by 2025, Seattle residents will need to recycle and compost about 45,000 more tons a year, SPU said.

Source: Vancouver Sun

Light Bulb Ban Will Stay in B.C.

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, Minister of Energy Rich Coleman stated. "We're very keen on the energy savings we can get out of some of this stuff. The cheapest power we can get is what we conserve," said Coleman, adding B.C. has been leading the country on the incandescent bulb issue.

RECYCLING & ENVIRONMENTAL ACTION & PLANNING SOCIETY

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E-mail: newsletter@reaps.org Website: www.reaps.org

Dumpy's Tip of the Month

Reduce "standby power" (the energy used while an appliance is switched off or not performing) at home and at work. The easiest way is to unplug appliances that are not being used. You can also plug your appliances into power surge protector strips (with multiple electrical outlets) and turn the power off at the strip.



RECYCLE CRAFT CORNER

MILK JUG SHADE

Materials

About 6 milk jugs (for a 2-foot by 4-foot window)

Cardstock Tape Scissors Sandpaper Small hole punch (less than 1/8 inch)

3/4-inch S hooks

1. To store the jugs more efficiently while you collect them for your project, cut out the jug's top, bottom and handle with scissors, leaving a flat piece of plastic that can be nested one within the



- other. To get the labels off the jugs, soak for at least 15 minutes in hot, soapy water; the labels should slide off easily.
- 2. To make a template for the triangle shape, cut a piece of cardstock into a 3-by-3—inch square, then cut it in half along the diagonal. Put a piece of rolled-up tape on the back of the template and stick it to the jug. Cut its shape out of the plastic with scissors. Move the template around to get as many plastic triangles as you can out of each plastic sheet. We cut 10 to 12 out of each milk jug.
- 3. Rough up the surface of the plastic triangles with sandpaper so they diffuse the light almost like rice paper. Using a small hole-punch, pierce the triangle at the top and center bottom.
- 4. String triangles together to a length appropriate to your window, using closed "S" hooks. We used 3/4—inch zinc-plated hooks. The edge of the plastic will just fit in where the "S" doesn't close completely. Use a larger "S" hook for the topmost triangle and slide it onto a small dowel.

Recycling and Environmental Action Planning Society (AKA REAPS)

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Articles, originals or reprinted with permission, are submitted by members and represent the opinions of the authors only, not necessarily those of the Society, Board, or members as a whole.

Deadline for submission is two weeks prior to publication date. Articles, suggestions for articles, or comments in general are *much* appreciated, and can be submitted to the REAPS office via email at newsletter@reaps.org

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