

**THE CORPORATION OF THE DISTRICT OF COLDSTREAM  
ENVIRONMENTAL ADVISORY COMMITTEE MEETING**

**TO BE HELD ON TUESDAY, APRIL 6, 2010  
IN THE MUNICIPAL HALL COUNCIL CHAMBERS  
9901 KALAMALKA ROAD, COLDSTREAM, BC  
7:00 PM**

**A G E N D A**

1. APPROVAL OF AGENDA

2. ADOPTION OF MINUTES

Page 1

- a. Adoption of the Minutes of the Environmental Advisory Committee Meeting held Monday, March 1, 2010

3. ITEMS FOR DISCUSSION

a. Committee Member Absence

Recommendation

*"THAT pursuant to section 1.8 of the Council Committee Handbook, the Committee approves the absence of David Rossi for the June, July and August 2010 Committee meetings, who shall remain a Committee Member in good standing".*

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b. SHIM Report Update

- Draft letter inviting residents adjacent to Coldstream Creek to Open House on May 3, 2010 from Director of Engineering Services dated March 29, 2010

Comment

At the Regular Meeting of Council held March 8, 2010, Council adopted the following resolutions:

*"THAT the staff be directed to draft a letter to property owners along Coldstream, Brewer and Craster Creeks, informing them that the SHIM report has been completed and is available for viewing on the website and at the District office, and also advising that a Public Open House will be held at a future date;*

*AND THAT a Public Open House be held, on May 3, 2010, at which time District staff and Ecoscape Environmental Consultants would be available to explain the SHIM data and to answer questions regarding the overall report;*

*AND FURTHER THAT the draft letter to abutting property owners be included on the April 6, 2010 agenda of the Environmental Advisory Committee meeting, for comment. ”*

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c. **Cosmetic Pesticide Program**

- Emails from Councillor Maria Besso dated March 10, March 24 and March 25, 2010

**Comment**

Discuss and develop a program for pesticide education per Item 1b of March 1, 2010 Environment Advisory Committee meeting.

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d. **Update on Greenhouse Gas Emission Programs**

- Report from Director of Engineering Services dated March 8, 2010.

**Comment**

Environment Advisory Committee to receive for information.

**Page 19**

e. **Greenhouse Gas Reduction Strategies**

- Email from Connie Hull / Greig Crockett dated January 29, 2010

4. **CORRESPONDENCE**

5. **NEW BUSINESS**

6. **ADJOURNMENT**

# THE CORPORATION OF THE DISTRICT OF COLDSTREAM

## Minutes of the **Environmental Advisory Committee**

Held **Monday, March 1, 2010**

in the Coldstream Municipal Hall

9901 Kalamalka Road, Coldstream, BC

CALL TO ORDER: The Vice Chair called the meeting to order at 7:00 pm

PRESENT: Councillors Besso, Cochrane and Firman

L. Bliss Jr.

G. Crockett

T. Koch

S. Lawrence

D. Rossi, Vice Chair

P. Sault

ABSENT: J. Roh, Chair

ALSO PRESENT: Councillor Enns

M. Stamhuis, Chief Administrative Officer

A. Dean, Director of Engineering Services

I. Breitreutz, Executive Research Coordinator/Recording Secretary

0 persons in the gallery

### 1. APPROVAL OF AGENDA

**Moved by Besso, seconded by Bliss,**

**THAT the agenda for the meeting of the Environmental Advisory Committee  
be approved as circulated.**

**No. ENV2010-006**

**CARRIED**

The Director of Engineering Services advised that due to an oversight, the topic of Greenhouse Gas Reduction Targets was not included on the March 1, 2010 agenda, but would be added to the April 6, 2010 Committee agenda.

2. ADOPTION OF MINUTES

a. Adoption of the Minutes of the Environmental Advisory Committee Meeting held Monday, February 1, 2010

Moved by Besso, seconded by Lawrence,

**THAT the minutes of the Environmental Advisory Committee meeting, held Monday, February 1, 2010, be approved as circulated.**

No. ENV2010-007

CARRIED

3. ITEMS FOR DISCUSSION

a. Sensitive Habitat Inventory and Mapping (SHIM) Report

- Excerpts of SHIM Report for Coldstream Creek, Brewer Creek and Craster Creek by Ecoscape Environmental Consultants Ltd., dated December 2009

Committee members expressed their compliments on the excellent SHIM report prepared for the District by Ecoscape Environmental Consultants.

The Chief Administrative Officer explained that staff plan to use the SHIM report to identify and prioritize tasks towards improving the overall quality of Coldstream Creek. He advised that a working group, consisting of experts in a variety of fields, had recommended to Council that the section of Coldstream Creek east of School Road be chosen as the high-priority project for 2010. He went on to say that Council had approved the working group's recommendation and that the District was intending to proceed with fencing, revegetation, bank regrading and planting, and livestock crossing along that section of the creek. The Chief Administrative Officer noted that \$35,000 funding for the majority of this work was included in the District's 2010 budget, while the remainder of the project was dependent upon a \$17,000 grant from the Okanagan Basin Water Board and \$10,000 funding from the Environmental Farm Plan.

Committee members continued discussion on the following subjects:

- Were there projects that volunteers could tackle, such as clean-up of the creek?
- How could adjacent property owners be encouraged to cooperate?
- What was the process that adjacent property owners would have to follow in order to rehabilitate their section of the creek?
- How should this SHIM report and the remedial works be publicized? What else should be encompassed within an educational program?
- What funding could be leveraged for remedial works on other sections of the creek?

Councillor Enns invited Committee members to meet with him as a working group to continue review of the SHIM report.

Moved by Lawrence, seconded by Bliss,

**THAT the Sensitive Habitat Inventory and Mapping (SHIM) report by Ecoscape Environmental Consultants Ltd., dated December 2009, be received;**

**AND THAT the Environmental Advisory Committee recommends to Council:**

- (1) That the District write a letter to property owners along Coldstream, Brewer and Craster Creeks, informing them that the SHIM report has been completed and is available for viewing on the website and at the District office, and also advising that a Public Open House will be held at a future date;**
- (2) That an Public Open House be held, on a date determined by Council, at which time District staff and Ecoscape Environmental Consultants would be available to explain the SHIM data and to answer questions regarding the overall report and applicable to individual properties;**
- (3) That the draft letter to abutting property owners be included on the April 6, 2010 agenda of the Environmental Advisory Committee meeting, for comment.**

**No. ENV2010-008**

**CARRIED**

**b. Process for Achieving Acceptance for a Cosmetic Pesticide Ban**

- Report from Director of Engineering Services, dated February 22, 2010

The Chief Administrative Officer advised that Council was requesting the Environmental Advisory Committee to consider taking a lead role, or identifying a group that could take a lead role, in a public education program for cosmetic pesticide strategies, using the Invermere example. He explained that staff could contribute resources such as photocopying, while the Committee could provide advice, input and leadership, in conjunction with other agencies or groups that the Committee may wish to call upon for their input.

The Director of Engineering Services pointed out that \$3,500 had been allocated in the 2010 budget towards an education program. She indicated that the Canadian Cancer Society had indicated its willingness to work with the District as well as attend meetings and that the Society had brochures and a budget for public presentations.

The Committee endorsed Councillor Besso's offer to contact Keri Bokenfohr, in order to solicit the names of agencies and groups who could work with the Committee on this initiative, for report to the April 6, 2010 Committee meeting.

4. CORRESPONDENCE

5. NEW BUSINESS

6. ADJOURNMENT

**Moved by Lawrence, seconded by Besso,**

**THAT the meeting of the Environmental Advisory Committee, held Monday, March 1, 2010, be adjourned.**

**No. ENV2010-009**

**CARRIED**

The meeting of the Environmental Advisory Committee adjourned at 9:03 pm.

**CERTIFIED CORRECT**

\_\_\_\_\_  
Recording Secretary

\_\_\_\_\_  
Chair

March 29, 2010

Dear Resident:

The District of Coldstream invites you to an Open House to share information from the SHIM review conducted on Coldstream Creek, Brewer Creek and Craster Creek in 2009.

**Where:** District of Coldstream Council Chambers  
9901 Kalamalka Road, Coldstream

**When:** May 3, 2010

**Time:** 7:00 p.m.

Members from the Environmental Advisory Committee, Ecoscape Environmental Consultants Ltd. (authors of the report) and municipal staff will be there to present the report findings.

### **What is SHIM?**

SHIM refers to a Sensitive Habitat Inventory and Mapping of watersheds and is a methodology of mapping fish and aquatic habitats, watercourses and associated riparian communities. It is a process that includes walking and observing waterways, and using GPS and other mapping tools to map the results. The process has been standardized for comparisons with other studied watercourses and throughout participating communities.

### **What is in a SHIM report?**

SHIM reports typically show maps of segments of the waterways and provides backup reporting that records many aspects of a waterway including length of waterway segment, type of channel, type of flow, level of human impact, bank height, water width and depth, details of observed riparian and adjacent flora and fauna, potential for spawning and fish habitat, discharges, erosion, fencing and springs. They map the extent of riparian habitat available for wildlife and fisheries.

### **Why conduct a SHIM review?**

SHIM reports aid in incorporating waterway protection into the municipal planning process, indicate areas where the waterways could be impaired and/or polluted, assist in stormwater plans, aid in assessing habitat changes, prioritize restoration and enhancement projects, identify sensitive habitats, identify adequate waterway setbacks, provide baseline studies for future mapping, and highlight areas that would require more in-depth studies.

**Where can I find the SHIM report on Coldstream, Brewer and Craster Creeks?**

There are three ways to access the information from the SHIM Report:

- 1) There will be a hard copy of the report at the Open House.
- 2) The SHIM Report can be found on the District of Coldstream's website [www.DistrictofColdstream.ca](http://www.DistrictofColdstream.ca) under xxxxx.
- 3) The Community Mapping Network compiles SHIM data from across British Columbia and has made them available on-line at [www.cmnbc.ca](http://www.cmnbc.ca).



**From:** Maria Besso-Ockert [mailto:mariabesso@shaw.ca]  
**Sent:** Wednesday, March 10, 2010 5:51 AM  
**To:** Alanna Dean  
**Cc:** Mike Stamhuis  
**Subject:** Pesticides

Hi Alanna,

just wanted to let you know that I contacted Kerry Bokenfohr Her phone # is (250) 558-3514 at home or see below:

She told me that is very busy and could probably not commit a lot of time. she suggested Geraline Mackie <[jmaki@bc.cancer.ca](mailto:jmaki@bc.cancer.ca)> from the Cancer Society, or Mary Stockdale from SENS <[marystockdale@gmail.com](mailto:marystockdale@gmail.com)>.

She also let me know that she understands that Geraline is working with a student already doing some work in this direction.

In any case I know you have already been in contact with Geraline, I am away till March 15th, and I'm sure you are quite busy, perhaps after I get back we can talk about what needs to be done and how to best proceed.

I'm sorry this e-mail is rushed.  
Bye for now,  
Maria

**From:** Bokenfohr, Kerry  
**Sent:** Wednesday, June 17, 2009 3:42 PM  
**To:** 'bbibby@district.coldsteam.bc.ca'  
**Subject:** Presentation on Pesticides

Hi Bob

I'm a representative of a group called "Parents for Healthy Playspaces". We've been advocating for pesticide free playgrounds and schoolyards since 2001. I have a 10 minute powerpoint presentation that summaries the current situation in Canada re. municipal bans on cosmetic pesticide use. Could I present to your Environmental Advisory Council on July 6?

Kerry Bokenfohr  
(250)308-6339

**From:** Maria Besso-Ockert [mailto:mariabesso@shaw.ca]  
**Sent:** Wednesday, March 24, 2010 7:04 PM  
**To:** Alanna Dean; Jim Roh  
**Subject:** Fwd: Kelowna - City advocates pesticide-free lifestyle

Begin forwarded message:

**From:** "Bokenfohr, Kerry" <Kerry.Bokenfohr@interiorhealth.ca>  
**Date:** March 24, 2010 8:52:16 AM PDT (CA)  
**To:** "mariabesso@shaw.ca" <mariabesso@shaw.ca>  
**Subject:** FW: Kelowna - City advocates pesticide-free lifestyle

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**From:** MICHAEL CHRISTIE [mailto:mikechristie@rogers.com]  
**Sent:** Wednesday, March 24, 2010 3:01 AM  
**To:** lque@davidsuzuki.org; Sean Griffin; Carolynne Fardy; Kathryn Seely; Debbie Lazar; Carole F Rubin; Judy Wigmore; Arzeena Hamir; Heide Hermary; .All Community Action Coordinators; .All Health Promotion Coordinators; Bell, Dr. Warren; Bokenfohr, Kerry; sarah newton; Huguette OkShuswapGreens; Debbie Cannon; Jerilynn Kiely; Mae Burrows  
**Subject:** Kelowna - City advocates pesticide-free lifestyle

March 23, 2010

Kelowna Capital News

City of Kelowna advocates pesticide-free lifestyle

2010 marks the second year of the City of Kelowna's pesticide use regulation bylaw and its "Be Pesticide Free" education campaign.

"The Be Pesticide Free campaign continues to help residents learn how to create healthy yards without the use of pesticides," said Summer Bracey, marketing and communications coordinator.

"The education campaign is designed to help with the implementation of the pesticide bylaw that regulates use of cosmetic, non-essential pesticides on residential properties. The bylaw came into effect on Jan. 1, 2009."

City staff will attend a combination of events and retailers throughout the spring and summer to provide information directly to residents. The City's website, kelowna.ca/environment will also host a number of different information brochures and fact sheets, plus helpful external links.

Topics include managing pests, weeds, aphids, powdery mildew and fruit pests in residential yards. Another pamphlet explains how to read a pesticide label and determine which pesticides are permitted by the bylaw.

“Residents can apply for a one-time exemption to deal with infestations they cannot get under control using natural measures by calling 250-469-8470,” says Bracey.

“However, we will want to ensure people have done everything they can before resorting to pesticides.”

Other exemptions from the bylaw include certified pesticide applicators, backyard fruit trees, pests that transmit human diseases, noxious weeds, noxious insects, City of Kelowna lands and exempted pesticides such as acetic acid, dormant oil and safer soaps.

The City of Kelowna parks department has reduced its pesticide use by 90 per cent over the last 10 years and in 2008 was the first municipality to become PlantHealthBC accredited.

Playgrounds are not sprayed and most park areas receive no spraying at all. The majority of pest management activity is now done through the use of proper design and horticultural practices, as well as through mechanical, biological and cultural controls.

Provincial regulations currently allow cosmetic pesticides to be sold by retailers. However, some local retailers have opted to voluntarily take them off their shelves to support the numerous pesticide bylaws in Canada. The City is hopeful that new provincial legislation will further restrict the use and sale of cosmetic pesticides.

For more information, visit the “Pesticide” webpage at [kelowna.ca/environment](http://kelowna.ca/environment) or call 250-469-8500.

<http://www.bclocalnews.com/lifestyles/88991117.html>

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**From:** Maria Besso-Ockert [mailto:mariabesso@shaw.ca]  
**Sent:** Thursday, March 25, 2010 7:43 AM  
**To:** Alanna Dean; Jim Roh  
**Subject:** Fwd: Saanich - Looming pesticide bylaw forces changes to gardening habits

Some good ideas ... no need to reinvent the wheel.

cheers,  
Maria

Begin forwarded message:

**From:** "Bokenfohr, Kerry" <Kerry.Bokenfohr@interiorhealth.ca>  
**Date:** March 24, 2010 8:37:26 PM PDT (CA)  
**To:** 'Maria Besso-Ockert' <mariabesso@shaw.ca>  
**Subject:** FW: Saanich - Looming pesticide bylaw forces changes to gardening habits

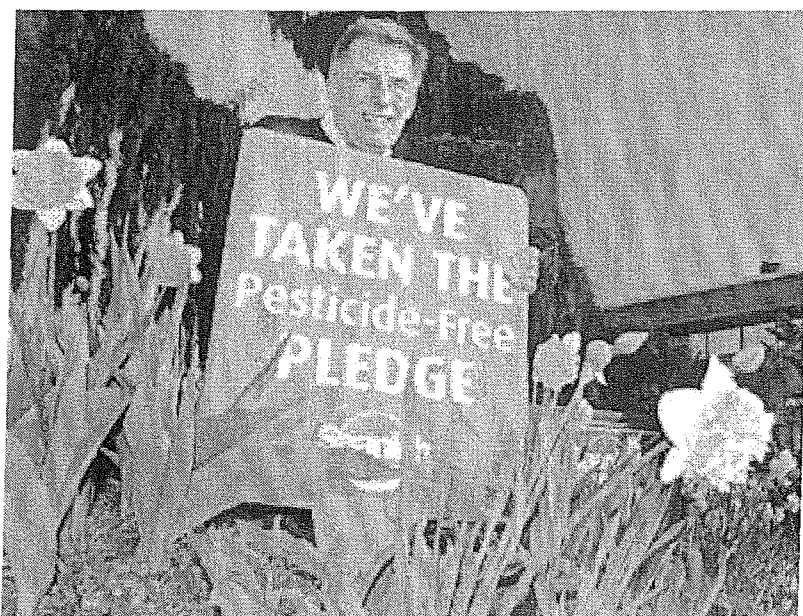
It might be good to contact Saanich re. a public education program!

Kerry Bokenfohr, B.Sc.P.T.  
Physiotherapist, Community Rehabilitation, Vernon  
(250)308-6339

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Saanich News

## Looming pesticide bylaw forces changes to gardening habits



Saanich Mayor Frank Leonard stands behind a sign in the pristine gardens outside municipal hall Monday. Saanich has been pesticide free for three years.

Sharon Tiffin/News staff

By Keith Vass - Saanich News

Published: March 23, 2010 10:00 AM

It's an immaculate swath of green.

Many people may only catch a passing glimpse of the lawn at Saanich's municipal hall as they flit past on their way to the Pat Bay Highway.

But slow down and look closely. You'd be hard pressed to spot a single weed.

Ever since Saanich pledged in 2008 to stop using chemicals to control insects, weeds and other pests on municipal land, parks staff have turned to things alternatives like a vinegar-and-lemon mixture.

"We haven't used any of those traditional pesticides," said parks manager Rae Roer.

In a few weeks, anyone in Saanich who wants to keep their lawn as green and weed-free as the hall's will have to do the same.

On May 1, a new Saanich bylaw will come into effect restricting pesticide use for homeowners.

Out are the most common chemical pesticides, ingredients like glyphosate and 2,4-D.

Those will only be available as a last resort with a special permit from Saanich.

In are natural alternatives, like vinegar and corn gluten meal.

The key to keeping the hall's lawn looking like a fairway at Augusta without spraying comes down to keeping it healthy, said Roer.

"It's properly irrigated, it's mowed on a regular basis to keep things under control, it's aerated, it's fertilized," he said. "By preventing organisms from becoming a pest in the first place, you really reduce the need to rely on anything else."

The shift is going to require some education, said Adriane Pollard, Saanich's manager of environmental services.

"A lot of people don't know that the 'weed' in Weed 'n Feed (a popular lawn care product) is actually a pesticide that is no longer permitted."

Pollard's department is working the education front, sending every address in Saanich a shortlist of products that are safe to use under the new bylaw.

Working with the Capital Regional District, Saanich has created a series of information sheets that walk through alternatives to pesticides for common yard and garden problems from aphids to dandelions to yellowjackets.

"So if people know what it is that they're having a problem with, they can pick up a fact sheet that talks about that particular pest," said Pollard.

The sheets are available at malls and rec centres, and for download on Saanich's website (<http://www.saanich.ca/resident/environment/pesticideresources.html#pests>).

But even though Saanich is now the third Capital Region municipality to restrict pesticides (following Victoria and Esquimalt), the chemicals will still be on store shelves.

The power to restrict pesticide sales rests with the provincial and federal governments.

Coun. Susan Brice, the driving force behind Saanich's bylaw, suggested asking store staff if they're familiar with Saanich's bylaw when shopping for yard care supplies.

For her own part, Brice can recall spraying in her yard 20 years ago. But she became a convert to chemical-free gardening since hearing warnings about carcinogens from the Canadian Cancer Society.

"I'm done with using anything to get rid of the weeds," she said. "I've found, over the years, the best way to get the dandelions is by hand, as torturous as it is."

[kvass@saanichnews.com](mailto:kvass@saanichnews.com)


### What's OK?

Saanich's new pesticide bylaw has 46 substances deemed safe enough to exempt from the restrictions. Here are some of the most common:

- \* acetic acid (vinegar in products like EcoClear as herbicides);
- \* corn gluten meal (acts as a natural herbicide used in turf weeds);
- \* methoprene (an insect growth regulator);
- \* botanically derived pesticides such as pyrethrins and rotenone;
- \* insect bait stations and pheromones;
- \* insecticidal or herbicidal soaps;
- \* mineral oils; and
- \* sulphurs, ferrous sulphate (moss killer)

Find this article at:

<http://www.bclocalnews.com/news/88932047.html>

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## DISTRICT OF COLDSTREAM MEMORANDUM

TO Mayor and Council

FILE NO. 5280-04 Climate Change  
Program

FROM Alanna Dean  
Director of Engineering Services

DATE March 8, 2010

SUBJECT Update on Greenhouse Gas Emission Programs

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### 1. Purpose

To provide information on the steps Coldstream has undertaken to meet requirements under the Climate Action Charter, the CARIP program and the Local Government (Green Communities) Statutes Amendment Act (Bill 27).

### 2. Origin

On December 17, 2007, Council resolved that:

“Council support the British Columbia Climate Action Charter, by signing the agreement on behalf of the District of Coldstream.”

This agreement would commit the District to becoming carbon neutral in its corporate operations by 2012.

As an incentive to encouraging both signing the agreement and reporting publicly on the plan and the progress, the Climate Action Revenue Incentive Program (CARIP) was announced by Premier Gordon Campbell at the 2008 UBCM Convention. The program would financially offset 100 % of the carbon taxes paid by those local governments who signed the agreement and established, implemented and reported on a carbon neutral plan. Payment for the offset would be by way of a grant and would be based on the previous year's payment of a municipality's carbon tax.

In 2008 the Government of British Columbia legislated the *Local Government (Green Communities) Statutes Amendment Act (Bill 27)*, which empowers local governments to make changes in the community through the planning process to develop more sustainable communities, and reduce the carbon footprints of the local community.

On July 28, 2009, the British Columbia Climate Action Charter agreement was signed by the mayor of the District of Coldstream and sent to UBCM.

As part of the reporting program the District of Coldstream is required to report publicly for the first time on December 31, 2010.

### 3. Background/Discussion

It is expected by CARIP that local governments will begin reducing greenhouse gases within their own corporation, to serve as an example to the whole community and to show fiscal responsibility. The UBCM Green Communities Committee and the Carbon Neutral Working Group were set up to aid municipalities in their reporting requirements, and have established a general process and reporting format to accomplish this. A sample of the reporting expected by December 2010 is provided in Attachment 1.

Carbon neutrality is defined firstly by reducing the carbon emissions generated and secondly, by offsetting any remaining emissions with credits elsewhere (ie tree planting).

The process for achieving carbon neutrality follows four steps:

1. Measuring - identifying what needs to be measured, measuring energy use, determining energy source (hydro, gas) and calculating carbon equivalents.
2. Reducing both fossil fuel and energy use.
3. Offsetting
4. Reporting on the consumption and the offsets.

In order to show equity within municipalities, carbon neutrality would be measured through common services defined in Table 1.

Service Area	Coldstream Responsibilities
Administration and Government	Buildings and activities used for governance and operations. Activities include vehicles used by bylaw enforcement and building inspection.
Drinking, Storm and Wastewater	Water distribution systems, wastewater collection systems, stormwater collection and treatment systems, including all structures (eg heat and light for pump stations/lift stations), as well as vehicles used for this service.
Solid Waste Collection, Transportation and Diversion	Any energy used in the compost transfer station.
Roads and Traffic Operations	Operation and maintenance of roads, signals, lighting, bike lanes, line painting sidewalks and parking lots, including snow removal and the vehicles used to accomplish this.
Arts, Recreation and Cultural Services	Maintenance of the cemetery and any parks works.
Fire Protection	Buildings and vehicles relating to fire suppression, inspection, education and outreach

Within Coldstream, operations of the water system, paid for through NORD, would be claimed by NORD for both emission production and carbon tax claims. The service areas do not include employee commuting, business travel, construction by contractors and off-site goods production. Until detailed breakout information is obtained, vehicular use for the maintenance of the water system will be claimed by Coldstream.

Using 2009 financial data, the District of Coldstream conducted an energy and emissions inventory, and completed and submitted a 2009 Carbon Tax Calculation Form per the CARIP requirement. This includes the commitment to report publicly on Coldstream's climate action progress, signed by the Director of Financial Administration. The inventory is provided in Attachment 2. Baseline data following the same format will be required for the years 2007 and 2008.

Attachment 3 graphically shows the breakout of the emissions as they would be applied to respective service areas. The highest emission levels generated in Coldstream are through the fleet, with diesel producing 2,817 tonnes of CO<sub>2</sub> equivalents and gasoline producing 2,058 tonnes of CO<sub>2</sub> equivalents.

Should Coldstream not be able to reduce its emissions 100% then it would be required to pay offsets at market value. As an example of the amount of carbon offsets that would be paid, Coldstream would likely follow the trading cost set by the Pacific Carbon Trust, a crown corporation to facilitate the carbon offset aspect of its Green Economy Initiative. This trust has used \$25/tonne CO<sub>2</sub>e as a trading cost in the past and, if Coldstream did not reduce any of its emissions and paid a similar amount, it would be required to pay \$4,875 into offsets for its vehicle use alone.

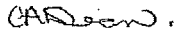
To address Bill 27, NORD has initiated a study, conducted by Stantec, which will establish community inventories and baselines. These will be put into its Regional Growth Strategy Project and serve to coordinate efforts in all the communities served by NORD. Stantec will provide a one day training workshop for staff for target setting within the community, with the cost subsidized by an existing infrastructure planning grant given to NORD for community energy and emissions planning. An additional cost of \$1,150 per municipality will provide each individual municipality with a) an outline of the process used to define the targets, and b) a description and rationale for the recommended targets that resulted from the workshop. Financing for the additional information would come from the Legal/Consulting account.

#### 4. Conclusion

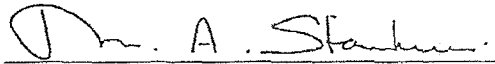
Coldstream has initiated assessment of greenhouse gas emissions from its municipal buildings and operations. The primary emissions source within Coldstream in 2009 was in the fleet, with secondary sources from the administration/governance and fire department buildings. Coldstream staff is actively developing comparable reporting for 2007 and 2008 as required under CARIP. Establishing effective strategies for reducing CO<sub>2</sub> equivalents within the community should be coordinated with NORD and other communities, and a workshop would enable staff to effect that coordination.

#### 5. Recommendation

That Council receive the report Update on Greenhouse Gas Emission Programs for information.



Submitted by Alanna Dean  
Director of Engineering Services



Reviewed by Michael Stamhuis  
Chief Administrative Officer

Irma Breitkreutz

---

**From:** Connie Hull / Greig Crockett [clhull@telus.net]  
**Sent:** Friday, January 29, 2010 11:08 AM  
**To:** Shelley Klein; David Rossi; Jim Roh; Lee Bliss; Maria Besso; Pat Cochrane; Penelope Sault; Sharon Lawrence; Trina Koch  
**Cc:** Doug Dirk; Gyula Kiss; Irma Breitkreutz; JimGarlick\_iPhone; Mike Stamhuis; Richard Enns  
**Subject:** Re: Environmental Advisory Committee Agenda  
**Attachments:** EAC Sustainability Ideas.doc

Dear Committee Members,

The Agenda for Feb 1/10 invites each of us to bring ideas for **greenhouse gas reduction strategies**.

As it appears it will be necessary for me to be in Trail next week and that I will miss the meeting, I have attached a 2 page sketch of bare bone ideas to consider in the transition to carbon neutral sustainability.

Appologies for my absence. I look forward to hearing & developing all the ideas & strategies for this important issue.  
Greig Crockett

----- Original Message -----

**From:** Shelley Klein  
**To:** David Rossi ; Greig Crockett ; Jim Roh ; Lee Bliss ; Maria Besso ; Pat Cochrane ; pjsault1@shaw.ca ; Sharon Lawrence ; Trina Koch  
**Cc:** Doug Dirk ; Gyula Kiss ; Irma Breitkreutz ; JimGarlick iPhone ; Mike Stamhuis ; Richard Enns  
**Sent:** Thursday, January 28, 2010 9:58 AM  
**Subject:** Environmental Advisory Committee Agenda

Copy to Councillor Firman

Attached please find the Environmental Advisory Committee Agenda for Monday, February 1, 2010.

Hard copies are available from the main office. Copies for Councillors are in your mail boxes.

<<02-01-2010 ENV agenda.pdf>>

*Shelley Klein*

Building Clerk

District of Coldstream

## Greenhouse Gas Reduction Target Ideas & Strategies

*(The suggestions below brush the tips of many issues relating to inhouse Council operations, its responsibility for infrastructure, and governance of the community. Achieving carbon neutral sustainability in Council operations alone will be a good model. But those operations account for a minor portion of total community carbon emissions. For a meaningful transition to carbon neutrality & sustainable living, all committees of Council must begin planning on a community-wide basis immediately. The following ideas may be a beginning, for consideration by appropriate committees.)*

Adopt a District letterhead **Motto** proclaiming carbon neutral sustainability, as an indication of commitment and a broad education & motivation campaign:

eg: "To be among the most sustainable, carbon neutral communities in the world by 2020"  
(Dist North Vancouver)

Establish **Principles** by which to measure & achieve the **Vision** expressed in the Motto.  
- conservation, precaution, etc

Adopt **Integrated Planning & Development Processes** commensurate with this Vision;

eg: "To help guide (Whistler's) journey toward a more sustainable future, the Whistler community developed an ambitious vision, process, and planning approach known as **Whistler2020**. This vision articulates what we aspire to be, but more importantly it inspires and guides our strategic planning and action development, now and into the future."

Review all facets of District Operations & all aspects of Community Governance, study the technical & economic aspects of carbon neutral alternatives & precedents elsewhere, and adopt **best practices, guidelines & bylaws** to achieve community-wide, carbon neutral sustainability.

### District Operations

#### Space & Water Heating

- gas fired vs solar, geothermal,

#### Electrical Consumption

- conservation, natural lighting, source needs with solar & wind

#### Street Lighting

- reduce excessive lighting - intersections only, extinguish after 1:00 am,

#### Paper Management

- reduce, reuse, recycle

#### Fleet Management

- transition to hybrid, electric, scooter, bicycle, etc

#### Solid Waste Management

- optimize recapture strategies (individual composting, district methane, etc)

#### Garbage collection

- rationalize triple truck redundancy to 1 truck/street/week, minimize costly truck stops by circulating on 1 side of street only & centralize bag pick-up

#### Recycling collection

- 1 side of street, centralize bag pick-up, greater separation

#### Liquid Waste Management

- optimize recapture & minimize linear infrastructure with home & district bio-Composting

#### Water Supply

- protect sources, promote conservation, recycle grey water, capture rain, divert storm sewers

#### Street Construction

- incorporate permeable surfaces, inter & intra community trails

### **Community Governance**

#### Land Use Planning, Zoning

- protect & enhance all productive (ALR) lands, water sources, parks/trails
- adopt 'Smart' planning, residential densification, integrate w transport etc
- consider integrated neighbourhood plans

#### Building Permits & Procedures

- adopt LEEDs type Green Building standards with solar, wind, geothermal, passive design, etc for a 'carbon-neutral', 'net-zero' energy policy
- adopt water conservation, recycling, rain capture, permeable surface distribution

#### Transportation

- integrate w Land Use to minimize pvt vehicles, maximize human & public modes

#### Environment

- remediate degraded natural environments; enhance carbon capture  
eg: Coldstream creek, Kalamalka Lake / Lagoon,
- minimize toxic substance use such as cosmetic pesticides:

#### Agriculture

- promote organic, non-toxic practices & local food production/consumption  
eg: local farm market, community gardens, urban gardens

#### Energy

- study potential for local solar, wind & geothermal sources with individual & neighbourhood applications  
(Drake Landing, consider Coldstream aquifer as geothermal source)

#### Economic Development

- capitalize on natural assets; eg sun exposure to attract solar equipment manufacturing; eco-tourism; organic agriculture;
- adopt a 'buy local – buy green' policy;

Consider tax incentives for green behaviour

#### Political Cooperation

- rationalize jurisdictional issues for functional responsibility
- coordinate programs & promote the Vision

#### Public Relations & Education

- initiate programs to encourage community participation & feedback

