

AGENDA
REGULAR MEETING OF THE
ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
BOWEN COMPLEX CONFERENCE ROOM
500 BOWEN ROAD (LOWER LEVEL)
WEDNESDAY, 2016-JAN-13, COMMENCING AT 5:00 P.M.

1. **CALL THE REGULAR MEETING OF THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY TO ORDER:**

2. **INTRODUCTION OF LATE ITEMS:** *(See addendum if applicable.)*

3. **ADOPTION OF AGENDA:**

(Motion required to adopt the agenda or amended agenda.)

4. **ADOPTION OF MINUTES:**

Minutes of the regular Advisory Committee on Environmental Sustainability meeting held Wednesday, 2015-DEC-09, at 4:51 p.m., in the Bowen Complex Conference Room.

Pgs.
3-6

(Motion required to adopt minutes.)

5. **PRESENTATIONS:** (None.)

6. **CHAIR'S REPORT:**

7. **STAFF REPORTS:**

(a) **Draft ACES 2016 Work Plan**
R. Lawrance, Environmental Planner

Pgs.
7-11

Purpose: That the Committee review and provide comment on the draft ACES 2016 Work Plan.

Staff Recommendation: That the Advisory Committee on Environmental Sustainability review the draft work plan and make recommendations in preparing it for Council adoption.

(Motion required to adopt recommendation.)

(b) **Regional Goose Management Workshop Report**
K. Brydges, Environmental Protection Officer

Pgs.
12-14

Purpose: To provide ACES with an update on the Regional Goose Management Workshop held on 2015-DEC-02.

Staff Recommendation: That the Advisory Committee on Environmental Sustainability receive this report for information.

(Motion required to adopt recommendation.)

(c) **Information Only Items:**

- i. Environmental Services Monthly Report – December 2015. Pg. 15
- ii. Green Nanaimo Awards (2016-JAN-28) – Verbal Update.

(Motion required to receive the information only items.)

8. **CORRESPONDENCE:** *(Not related to a report to the Committee.)*

- (a) Course information for Passive House Design and Construction:
 - #110 – 1 day - 2016-JAN-15, Victoria, BC Pg. 16
 - #120 – 10 day – 2016-FEB-04 to 2016-FEB-13, Victoria, BC Pg. 17

(Motion required to receive the correspondence.)

9. **NOTICE OF MOTION:**

10. **OTHER BUSINESS:** *(Motion required to review other business.)*

11. **DELEGATIONS:** *(None.)*

12. **QUESTION PERIOD:** *(Public – Related to agenda items only.)*

13. **BUSINESS ARISING FROM PRESENTATIONS & DELEGATIONS:** *(None.)*

14. **ADJOURNMENT:** *(Motion required to adjourn.)*

MINUTES
REGULAR MEETING OF THE
ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
BOWEN COMPLEX CONFERENCE ROOM
500 BOWEN ROAD
WEDNESDAY, 2015-DEC-09, AT 4:30 P.M.

PRESENT: Gail Adrienne, Chair

Members: Daniel Appell
Emil Bock
Councillor Diane Brennan
Colin Brown
Natalie Cielanga
Calvin Tant @ 4:51 p.m.

Staff: Geoff Goodall, Director, Engineering & Public Works
Rob Lawrance, Environmental Planner
Kevin Brydges, Environmental Bylaw Enforcement Officer
Scott Pamminer, Infrastructure Planning & Energy Manager
Robin Tweed, Recording Secretary

REGRETS: Richard Finnegan
Wally Wells

1. **CALL THE OPEN MEETING TO ORDER:**

The Regular Meeting was called to order at 4:51 p.m.

2. **INTRODUCTION OF LATE ITEMS:**

- Add item 6.(b) – ACES meeting start time.
- Add item 6.(c) – Tour of Water Treatment Plant.

3. **ADOPTION OF AGENDA:**

It was moved and seconded that the Agenda, as amended, be adopted. The motion carried unanimously.

4. **ADOPTION OF MINUTES:**

It was moved and seconded that the Minutes of the Regular Advisory Committee on Environmental Sustainability meeting held Wednesday, 2015-OCT-14, at 4:30 p.m., in the Bowen Complex Conference Room be adopted as circulated. The motion carried unanimously.

5. **PRESENTATIONS:**

- (a) Scott Pamminer; Infrastructure and Energy Manager - A Review of the role of the City's Corporate Energy Manager.

Calvin Tant vacated the meeting room at 5:04 p.m.

Calvin Tant returned to the meeting room at 5:05 p.m.

Calvin Tant vacated the meeting room at 5:23 p.m.

Calvin Tant returned to the meeting room at 5:24 p.m.

Mr. Pamminer concluded his presentation and responded to questions from the Committee.

Diane Brennan vacated the meeting room at 5:34 p.m.

Diane Brennan returned to the meeting room at 5:36 p.m.

It was moved and seconded that the presentation be received. The motion carried unanimously.

6. **CHAIR'S REPORT:**

- (a) Christmas Dinner for ACES members.

Due to the limited availability of the majority of Committee members to attend the annual appreciation dinner which had been scheduled for Thursday, 2015-DEC-10, the dinner has been postponed.

Committee members felt that a dinner held in the New Year, immediately following the ACES meeting, would work better for everyone's schedules. By consensus, the Committee agreed to re-schedule the appreciation dinner to immediately follow the ACES meeting on 2016-JAN-13.

- (b) ACES meeting start time.

It was moved and seconded that the 2016 Key Date Calendar for the Advisory Committee on Environmental Sustainability be amended to reflect a new meeting start time of 5:00 p.m., rather than 4:30 p.m. The motion carried unanimously.

- (c) Tour of the Water Treatment Plant.

A number of dates were proposed for a tour of the Water Treatment Plant. It was determined that a Friday might best serve the Committee membership. Geoff Goodall will check staff schedules for the proposed dates of 2016-JAN-16, 2016-JAN-23, or 2016-JAN-30 and report back on the best date for the Committee tour.

It was moved and seconded that the Chair's report be received. The motion carried unanimously.

7. **STAFF REPORTS:**

- (a) **Feasibility and Implications of a Community-Wide Anti-Idling Bylaw - R. Lawrance, Environmental Planner.**

It was moved and seconded that the Advisory Committee on Environmental Sustainability receive the report for information. The motion carried unanimously.

- (b) **“Knot on my Property” Knotweed Program - R. Lawrance, Environmental Planner.**

It was moved and seconded that the Advisory Committee on Environmental Sustainability receive the report for Information. The motion carried unanimously.

- (c) **Realtor Energy Efficiency Project (REEP) Update - R. Lawrance, Environmental Planner.**

It was moved and seconded that the Advisory Committee on Environmental Sustainability receive the report for Information. The motion carried unanimously.

- (d) **Information Only Items:**

- i. **Environmental Services Monthly Report** – October/November 2015
- ii. **Management of Canada Geese in Nanaimo** – Verbal Report & Video at:
https://www.youtube.com/watch?v=VgPp_x0d60&feature=youtu.be&list=PLRSwDpSO92L0Wa0uVO2U-JOel4Y0sl7IV
- iii. **Keep Nanaimo Clean Campaign** – Information & Video at:
<https://www.youtube.com/watch?v=szRyQIEPDj8&feature=youtu.be&t=7m51s>
- iv. **Update on 2015 Green Nanaimo Awards** – Verbal report.

It was moved and seconded that the information only reports be received. The motion carried unanimously.

8. **CORRESPONDENCE:** (None.)

9. **NOTICE OF MOTION:** (None.)

10. **OTHER BUSINESS:** (None.)

11. **DELEGATIONS NOT RELATED TO A REPORT TO THE COMMITTEE:** (None.)

12. **QUESTION PERIOD:** *(No questions.)*

13. **BUSINESS ARISING FROM PRESENTATIONS AND DELEGATIONS:** (None.)

14. **ADJOURNMENT:**

It was moved and seconded at 6:29 p.m. that the meeting adjourn. The motion carried unanimously.

APPROVED AS READ:



Gail Adrienne, Chair
Advisory Committee on Environmental Sustainability

APPROVED FOR DISTRIBUTION:



Richard Harding, Director
Parks, Recreation and Environment

CERTIFIED BY:

Corporate Officer
City of Nanaimo

City of Nanaimo

REPORT TO THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY

DATE OF MEETING: 2016-JAN-13

AUTHORED BY: ROB LAWRENCE, ENVIRONMENTAL PLANNER
PARKS, RECREATION AND ENVIRONMENT

RE: DRAFT ACES 2016 WORK PLAN

STAFF RECOMMENDATION:

That the Advisory Committee on Environmental Sustainability review the draft work plan and make recommendations in preparing it for Council adoption.

PURPOSE:

That the Committee review and provide comment on the draft ACES 2016 Work Plan.

BACKGROUND:

The Advisory Committee on Environmental Sustainability (ACES) was created as an advisory committee to Council to examine the impacts of existing policies and practices regarding land use and development on our natural environment. The Committee makes recommendations to Council on how the City of Nanaimo can improve its stewardship of the environment for the future.

As part of this role, ACES prepares an annual work plan for Council's consideration. The following is a review of the 2015 Work Plan.

<i>2015 Work Plan Review</i>			
<i>Project / Issue</i>	<i>Purpose / Definition</i>	<i>Outcomes</i>	<i>Priority</i>
The Blue Dot Project / Declaration of the Right to a Healthy Environment	The Suzuki Foundation's Blue Dot Project (http://bluedot.ca/#the-plan/) is a public campaign to have the right to a healthy environment added to the Canadian Charter of Rights and Freedoms. One objective of the project is to have municipalities across Canada aspire to adopt a declaration on "The Right To A Healthy Environment" and through local governments, encourage provinces to adopt these resolutions to fulfill the requirements for a change in the Federal Charter of Rights and Freedoms.	Council adopted the declaration of "The Right To A Healthy Environment", as amended by the Advisory Committee on Environmental Sustainability. COMPLETE	High

<p>Energy Conservation Management Policy / Corporate Anti-Idling Policy</p>	<p>The City's Energy Conservation and Management Policy was adopted by Council on 2009-OCT-19 and is a Council Policy that details energy conservation objectives for the City that applies to its buildings, infrastructure and vehicle fleet. The policy was revised and updated after a staff review was completed.</p> <p>While the City Fleet Manager has developed an anti-idling training program for new staff and drivers with the City, the City has not had an official policy on anti-idling to date. A new policy was developed to support these efforts.</p>	<p>Council:</p> <ul style="list-style-type: none"> • Adopted the proposed amendments to the City's Energy Conservation and Management Policy which includes an anti-idling component; and, • Adopted the proposed Corporate Anti-Idling Policy. <p>COMPLETE</p>	<p>High</p>
<p>Woodstoves / Burn it Smart Program</p>	<p>Local residents with older wood stoves that produce an excessive amount of residential wood smoke are negatively contributing to the local environment, air quality and can impact local residents' health. An incentive to encourage homeowners to purchase more efficient woodstoves and "change-out" older models has been supported by the Province in the past, but future provincial funding is currently under review.</p>	<ul style="list-style-type: none"> • Continue to work with the Province on funding the Woodstove Change-out Program for the fall of 2015. • At the program's end, 35 woodstoves were changed-out for 2015. <p>COMPLETE for 2015</p>	<p>High</p>
<p>Climate Action / Sustainability Action Plan</p>	<p>The Community Sustainability Action Plan (CSAP) was adopted by Council in December 2012. The City's Official Community Plan (planNanaimo) has identified sustainability as its guiding principle. The goals that make up the OCP reflect the sustainable approach the community wishes to strive toward.</p>	<ul style="list-style-type: none"> • Coordinate and facilitate the implementation of the Community Sustainability Action Plan as opportunities arise <ul style="list-style-type: none"> ◦ Realtor Energy Efficiency Program (REEP). COMPLETE ◦ Stakeholder Engagement. ONGOING 	<p>High</p>
<p>Environmental Framework for Nanaimo</p>	<p>An environmental framework would provide greater clarity on how the City's environmental policies and programs contribute toward meeting the City's OCP goal of Protecting and Enhancing the City's Natural Environment.</p> <p>In addition, the framework would identify gaps in service level that could be targeted in order to build stronger environmental stewardship partnerships with the community.</p>	<ul style="list-style-type: none"> • Identify and assess existing Environmental policies and programs and develop a draft framework for consideration. • Ensure assessments integrate with any core review requirements. • Host a public open house / forum on the Environmental Framework to allow for public input. • Complete a concepts and options review that will inform any priority setting and actions. • Complete Environmental Framework and seek endorsement. <p>ONGOING for 2016</p>	<p>High</p>

Green Nanaimo Awards	Every two years, the Green Nanaimo Awards recognize the achievements and activities of members of the community to enhance, preserve and protect the environment of Nanaimo.	<ul style="list-style-type: none"> • Coordinate the City's 2015 Green Nanaimo Awards with the Design Advisory Panel Awards. • Coordinate with other committees of Council to hold an awards ceremony in January of 2016. <p>COMPLETE</p>	High
Erosion and Sediment Control	Development can create increased soil erosion in the course of construction and site manipulation. Erosion is often a long-term effect of a developed site as well. Soil exposed during clearing, grading and stockpiling can be easily transported onto nearby roads and watercourses. After development, the areas ability to absorb and retain surface runoff may be greatly reduced, increasing the erosion potential both on-site and downstream.	<ul style="list-style-type: none"> • Review the City's current policies, education, and training for staff and development applicants around erosion and sediment control. Report back to Council on any recommended changes. <p>INCOMPLETE</p>	Medium
Watercourse / Riparian Health	Watercourses and riparian areas are protected within the City of Nanaimo under Development Permit, the City's Zoning Bylaw and through provincial legislation (<i>Riparian Areas Regulation</i>). To complement this protection, more can be done to improve public awareness of the importance and values of our watercourses and riparian areas.	<ul style="list-style-type: none"> • Explore the feasibility of establishing a watercourse habitat compensation bank for Nanaimo. • Provide input into a performance measure for watercourse and riparian area health in the city under the "Balanced Scorecard." • Provide advice in developing a public awareness and education program on watercourses and riparian areas in the city. • Explore ways to work developers on environmental stewardship opportunities. <p>INCOMPLETE ONGOING</p>	Medium
Implementation and Promotion of Environmental Programs / Policies	<p>Promote City environmental programs and policies during community events and provide an opportunity for the public to meet City staff and Committee members to discuss environmental issues.</p> <p>Programs/policies to be promoted:</p> <ul style="list-style-type: none"> • Watercourse and Riparian Area values • Invasive Plant Management • Community Sustainability Action Plan • City Green Building Policy • Pesticide Use Bylaw • ESAs and Habitat Protection • Burn it Smart Program 	<ul style="list-style-type: none"> • Staff /Committee members will participate in the following events: <ul style="list-style-type: none"> - <i>Earth Hour (March)</i> - <i>Earth Day (April)</i> - <i>Invasive Plant Awareness Month (May)</i> - <i>Bike to Work Week and Clean Air Day Event (June)</i> - <i>Rivers Day (September)</i> - <i>Environment Forum (October)</i> <p>COMPLETE</p>	Medium

DISCUSSION:

2016 Work Plan			
Project / Issue	Purpose / Definition	Outcomes	Priority
Environmental Framework for Nanaimo	<p>An environmental framework would provide greater clarity on how the City's environmental policies and programs contribute toward meeting the City's OCP goal of Protecting and Enhancing the City's Natural Environment.</p> <p>In addition, the framework would identify gaps in service level that could be targeted in order to build stronger environmental stewardship partnerships with the community.</p>	<ul style="list-style-type: none"> • Review existing Environmental policies and programs and develop a draft review framework for consideration. • Ensure the environmental framework process integrates with any core review requirements. • Host a public open house / forum on the Environmental Framework to allow for public input. • Complete a gap analysis based on the environmental program review and public input. • Provide recommendations for environmental priorities and actions. 	High
Municipal Natural Capital Pilot Study	<p>Natural Capital implies an extension of the economic notion of capital to nature. Meaning there is a value to the goods and services nature provides a community. In Nanaimo, for example, wetlands provide natural filters to help clean water and help moderate water levels during heavy rains; protecting homes from flooding. In order to fully account for and maintain all assets in the City, can Natural Capital be included as part of the City's Asset Management Program?</p> <p>There is a lack of tools and services to help municipalities measure and manage natural capital. Few municipalities can manage and provide the resources to protect natural capital in a systematic manner, despite the strong rationale to do so.</p>	<ul style="list-style-type: none"> • Working with other local governments as part of the Municipal Natural Capital Initiative, apply to participate in a pilot study to measure and assess how to manage the natural capital of the Buttertubs Marsh Complex as a stormwater management feature for Nanaimo. 	High
Community-wide Anti-Idling Programs	<p>Idling refers to running a vehicles engine when it is not in motion. Excessive idling is recognised as a health concern and a significant contributor to Greenhouse Gas Emissions. The City has adopted a Council Policy that applies to City staff and contractors. There is also reference to excessive idling as a source of noise under the current City Noise Bylaw (No.4750). There is no specific anti-idling bylaw.</p> <p>Around 48 communities in the province have stand-alone anti-idling bylaws or provisions in other bylaws (such as Nanaimo). Whistler, Gibson's, Vancouver, and North Vancouver also have Idling control strategies that include a training and educational awareness component in addition to a regulatory bylaw.</p>	<ul style="list-style-type: none"> • Report back to Council with recommendations on the issue of vehicle Idling and whether the City should develop a community wide anti-idling program. 	

Watercourse / Riparian Health	Watercourses and riparian areas are protected within the City of Nanaimo under Development Permit, the City's Zoning Bylaw and through provincial legislation (<i>Riparian Areas Regulation</i>). To complement this protection, more can be done to improve public awareness of the importance and values of our watercourses and riparian areas.	<ul style="list-style-type: none"> • Explore the feasibility of establishing a watercourse habitat compensation bank for Nanaimo. • Provide advice in developing a public awareness and education program on watercourses and riparian areas in the city. • Explore ways to work with developers on environmental stewardship opportunities. 	Medium
Implementation and Promotion of Environmental Programs / Policies	<p>Promote City environmental programs and policies during community events and provide an opportunity for the public to meet City staff and Committee members to discuss environmental issues.</p> <p>Programs/policies to be promoted:</p> <ul style="list-style-type: none"> • Watercourse and Riparian area values • Invasive Plant Management • Community Sustainability Action Plan • City Green Building Policy • Pesticide Use Bylaw • ESAs and Habitat Protection • Woodstove Change out / Burn it Smart Program 	<ul style="list-style-type: none"> • Staff /Committee members will participate in the following events: <ul style="list-style-type: none"> - <i>Earth Day (April)</i> - <i>Invasive Plant Awareness Month (May)</i> - <i>Bike to Work Week and Clean Air Day Event (June)</i> - <i>Rivers Day (September)</i> - <i>RDN Green Building Tour (October)</i> 	Medium

In addition, the Committee recognizes that subsequent to this work plan, additional topics that fall under the Committee's mandate and that require Council's attention, may arise or may be referred by Council for the Committee to consider.

STRATEGIC PLAN CONSIDERATIONS:

Community Building Partnerships: The ACES Work Plan builds on the ongoing commitment toward sustainability (under Environmental Responsibility) and the strategic priority of Community Building Partnerships.

Respectfully submitted,

Concurrence by:



Rob Lawrance
ENVIRONMENTAL PLANNER
PARKS, RECREATION AND ENVIRONMENT



Richard Harding
DIRECTOR
PARKS, RECREATION AND ENVIRONMENT

City of Nanaimo

**REPORT TO THE
ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY**

DATE OF MEETING: 2016-JAN-13

AUTHORED BY: Kevin Brydges, R.P.Bio, Environmental Protection Officer

RE: CANADA GEESE IN NANAIMO

STAFF RECOMMENDATION:

That the Advisory Committee on Environmental Sustainability receive this report as information.

PURPOSE:

To update the Advisory Committee on Environmental Sustainability on actions that have been taken to manage the Canada Goose population in Nanaimo and regionally (eastern Vancouver Island) since the last report dated 2015-JUL-08.

BACKGROUND:

The Canada Goose (*Branta canadensis*) has been considered a very majestic bird and a Canadian symbol. However, due to its significant population increase since its introduction to Vancouver Island in the 1970's, the Canada Goose has now become a nuisance. Canada Geese have a significant impact environmentally, financially and aesthetically on the urban and rural lands throughout the southern east coast of Vancouver Island, and as well they present a prominent health concern. As such, many communities and regions are now developing management plans to address the population of Canada Geese and their associated impacts.

Today, non-migratory resident populations of Canada Geese in urban and rural parts of southern British Columbia are largely perceived as problem wildlife, due to their abundance, territorial behaviour during breeding season, habitat destruction, crop damage, potential risks to human health, fouling of grassy areas with droppings, risk of contribution to fecal coliform levels in public swimming areas and other waters, damage to lawns and green spaces, as well as other economic losses (Alderisio and DeLuca 1999, Smith et al. 2005, Meays et al. 2006).

Non-migratory resident Canada Geese can be found on land governed by various jurisdictions including federal, provincial, municipal, and private properties such as playing fields, public beaches, golf courses, schools, and agricultural lands. Non-migratory resident Canada Goose populations have increased in the Nanaimo region to the extent that they are a general public nuisance impacting parks, natural habitats, and recreational areas.

Unlike most familiar wildlife in British Columbia (e.g., deer and other mammals), which fall solely under jurisdiction of the provincial Wildlife Act, Canada Geese and other waterfowl are also protected under the federal Migratory Birds Convention Act and pursuant Migratory Birds Regulations which provides the senior jurisdictional authority. Thus, any attempts to manage geese must abide by the federal Act as well as any provincial and municipal regulations that apply in their respective regions.

The City of Nanaimo, Parks, Recreation and Environment Department (PR&E) has been attempting to manage Canada Geese populations and their impacts since the late 1990's. Due to the increase in geese population, PR&E began seeing an increased geese use of beaches, playing fields, and the cemetery resulting in unacceptable amounts of geese/human interaction and geese feces in these areas. As a response, PR&E implemented an egg-addling program in 1999 to attempt to manage the population and have been harassing and scaring birds to help keep them off the heavily used beaches and sports fields. PR&E also recognized that this is not a local issue and that a regional approach may be a better solution to the issues at hand.

DISCUSSION:

At the present time, the City of Nanaimo is managing the Canada Goose issue in an adhoc, as needed, prescriptive manner. In the future it is expected that a more strategic, unified, planned approach will be needed to be successful in reducing the Canada Goose population and thus the conflicts in Nanaimo and the surrounding region. As a result, over the next few years the City of Nanaimo will be pursuing the formation of a regional stakeholder committee in order to develop and implement a regional goose management strategy.

As part of the above strategy, the City of Nanaimo organized and held a Regional Canada Geese Management (RCGM) workshop on 2015-DEC-02. This initial workshop was organized as an information-sharing platform for regulatory agencies as well as individual communities to share their experiences with managing the Canada goose issue. The workshop was well attended with 35 participants from communities, from the Capital Regional District to Campbell River, with representatives from the federal Canadian Wildlife Service, the provincial Ministry of Forest Land and Resource Operations, and the Vancouver Airport Authority.

The Guardians of Mid-Island estuaries were well represented at this workshop and presented their recently completed Canada Goose Management Strategy ([http://www.guardiansmie.org/Guardians of Mid-Island Estuaries/Welcome.html](http://www.guardiansmie.org/Guardians%20of%20Mid-Island%20Estuaries/Welcome.html)), which gives some biological insight to the population structure and migratory habits of the Canada geese in the mid-island area. It is felt that much of the information and recommendations presented in this management strategy can be applied to other parts of eastern Vancouver Island.

As part of the RCGM workshop, it was determined that a regional committee or stakeholder group should be created in order to manage this issue from a broader regional perspective. This group would be made up of interested regional districts and municipalities from the east coast of Vancouver Island and would work towards creating a management plan that would not only educate the general public about the challenges Canada Geese cause but also reduce the population of birds using various management techniques. Although it was agreed that a regional approach was needed, it was also recognized that some communities were considering aggressive actions for population reductions in the near future.

At present, the City of Nanaimo has taken the lead to organize a meeting of a regional committee in order to develop a terms of reference to define the goals and objectives of a Regional Geese Management Plan. This committee will be modeled after a similar regional group working in the Okanagan region with the same issue. Although the regional approach is needed, individual municipalities will continue to manage their local geese issues.

Respectfully submitted,



Kevin Brydges, R.P.Bio
ENVIRONMENTAL PROTECTION OFFICER
PARKS, RECREATION AND ENVIRONMENT

Concurrence by:



Rob Lawrance
ENVIRONMENTAL PLANNER
PARKS, RECREATION AND ENVIRONMENT



Richard Harding
DIRECTOR
PARKS, RECREATION AND ENVIRONMENT

DRAFTED: 2016-JAN-07
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City of Nanaimo

**REPORT TO THE
ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY**

DATE OF MEETING: 2016-JAN-13

AUTHORED BY: ENVIRONMENTAL SERVICES SECTION

RE: ENVIRONMENTAL SERVICES MONTHLY REPORT – DECEMBER 2015

ENVIRONMENTAL PLANNING AND DEVELOPMENT:

- Staff met with SFN Fisheries Coordinator and visited three stream sites in the City to discuss restoration / enhancement opportunities.

DEVELOPMENT APPLICATION REVIEW & DEVELOPMENT REFERRALS:

- Received and provided comment on two development permit applications for review and comment.
- Attended one pre-application site visit for a potential watercourse development permit applications.

PROJECT / PROGRAM DEVELOPMENT:

- Regional Goose Management Workshop: Staff organized and hosted a regional workshop to review current practice and discuss options to more effectively manage resident goose populations on east Vancouver Island. Representatives
- Departure Creek Restoration: Staff met with members of, SFN, DFO and the Departure Bay Neighborhood Association to prepare a funding application to the Pacific Salmon Foundation to conduct a habitat assessment for 2016.

EDUCATION / TRAINING:

- No training.

ENFORCEMENT:

- Four calls for service.
- Water Act licensing request.

2016-JAN-05

File: A2-12 / A1-15

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1 day Introduction to Passive House Design and Construction

Course #110

This one day course is a 100 level foundation course. It will provide you with a fundamental understanding of the elements of the Passive House Design, which leads to cost effective, low energy buildings with increased occupant comfort and reduced mechanical systems.

You'll learn:

- Passive house design fundamentals
- Super insulated envelopes
- Methods for achieving extreme air tightness
- Passive house quality windows
- Leading ventilation design principles
- Passive house economics and costs, including what to consider when conducting an economic comparison

January 15th, 2016
9:00 am - 5:00 pm
Victoria, BC

Who attends?

Construction industry professionals, architects, designers, local government, real estate agents, developers, home owners, sustainability enthusiasts and anyone interested in learning the basics of energy efficient building.

Course conductor:

Monte Paulsen is one of Canada's most active Passive House consultants and has extensive experience advising in a variety of projects, including: a First Nations firehall, two multi-story apartment buildings, a modular row-house terrace and several single-family residences being constructed to the international Passive House standard.

Course fee:

The course costs \$300 with discounts available for CanPHI West members. Light refreshments will be provided. Participants will receive a certificate of attendance.

To register please go to canphi.ca or email Gargi@canphi.ca

10 day Passive House Design and Construction Course

Course #120

This course is aimed at all current and aspiring building industry professionals who are motivated to learn how to build to the world's most advanced and energy efficient construction standard.

**February 4 - 13, 2016
Victoria, BC**

Part A (4 days in class): February 4-7, 2016

Part A provides a comprehensive foundation to Passive House design and construction. It covers the technical, social, economic, and policy elements of the standard. Numerous case studies, both domestic and international, will demonstrate current best practice.

Intended Audience: All building industry professionals, including city planners, policy makers, building officials, manufacturers, engineers, architects, designers, contractors, and builders. Part A can be taken as a standalone course.

Part B (3 days in class and 3 days online self study): In-class February 11-13, 2016

Part B can only be taken once Part A has been completed.

Part B is designed to enable you to design or build your first Passive House and prepare you to take the International Passive House Exam. This segment of the course offers a step by step guide to using Passive House Planning Package (PHPP) to design a Passive House. It is delivered in two components: 3 days of online self study followed by 3 days of in-class lecture/workshop.

Intended Audience: All those that will be directly involved in the design and construction of Passive Houses.

Course conductor:

Monte Paulsen is one of Canada's most active Passive House consultants and has extensive experience advising in a variety of projects, including: a First Nations firehall, two multi-story apartment buildings, a modular row-house terrace and several single-family residences being constructed to the international Passive House standard.

Course fee:

The full 10 day course costs \$2,300 with discounts available for CanPHI West members. Course materials, lunch and refreshments are included. See website for details.

To register please go to canphi.ca or email Gargi@canphi.ca