

AGENDA

REGULAR MEETING OF THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
SERVICE AND RESOURCE CENTRE BOARD ROOM, 411 DUNSMUIR STREET
WEDNESDAY, 2014-NOV-12, COMMENCING AT 4:30 P.M.

CHAIR: COUNCILLOR DIANE BRENNAN

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

2. **INTRODUCTION OF LATE ITEMS:**

3. **ADOPTION OF AGENDA:**

(Motion required to adopt the agenda)

4. **ADOPTION OF MINUTES:**

Minutes of the Regular Advisory Committee on Environmental Sustainability Meeting held Wednesday, 2014-NOV-12, at 4:33 p.m., in the Service and Resource Centre Board Room.

Pg. 3-5

(Motion required to adopt minutes)

5. **PRESENTATIONS:**

- (a) Charlotte Davis, Manager of Sanitation, Recycling & Public Works Administration, presenting an overview of waste management in the Harbour City.

6. **CHAIR'S REPORT:**

7. **STAFF REPORTS:**

- (a) **Review of Climate Action Symposium held in the Shaw Auditorium
R. Lawrance, Environmental Planner**
-

Purpose: Verbal discussion with Committee and Staff regarding the Climate Science Symposium held 2014-OCT-18.

Staff Recommendation: That the Advisory Committee on Environmental Sustainability recommend that Staff proceed with holding a meeting of community stakeholders from the Sustainability Action Plan process no later than January 2015 to plan out future opportunities to improve communication and awareness about Energy Efficiency and GHG reduction initiatives.

(Motion required to adopt recommendation)

- (b) **Parks, Recreation & Environment's Draft 2015 Marketing Plan** Pg. 6-7
R. Lawrance, Environmental Planner
-
- Staff Recommendation: That the Advisory Committee on Environmental Sustainability receive for information.
- (c) **Update of the City of Nanaimo Habitat Atlas** See Link
- Purpose: To update ACES on the plans to update and revise the City of Nanaimo's Habitat Atlas. (<http://enviro.nanaimo.ca/>)*
- Staff Recommendation: That Staff proceed with an update and revision of the Habitat Atlas and work with ACES to provide advice and input on content and functionality.
- (Motion required to adopt recommendation)*
- (d) **Environmental Services Monthly Report** – October 2014 Pg. 8-10

8. **CORRESPONDENCE:**

- (a) Press Release regarding the opening of the SolaRoad, a road surface that converts sunlight into energy, located in Krommenie, Holland. Pg. 11-12
- (b) Report publication from the Suzuki Foundation regarding Protecting Your Community's Coastal Assets: Local Leadership in Marine Planning. See Link
<http://www.davidsuzuki.org/publications/downloads/ProtectingYourCommunitysCoastalAssets.pdf>

9. **NOTICE OF MOTION:**

10. **OTHER BUSINESS:**

(Motion required to review other business)

11. **QUESTION PERIOD:** *(Agenda Items Only)*

12. **ADJOURNMENT:**

MINUTES

REGULAR MEETING OF THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
SERVICE AND RESOURCE CENTRE BOARD ROOM
WEDNESDAY, 2014-OCT-08, AT 4:30 P.M.

PRESENT: Councillor Diane Brennan, Chair

Members: Suzanne Andre
Chad Dalrymple
Glenda Hunter
Allan Hawryzki
Ted Perry
Calvin Tant

Regrets: Sheri DeBoer
Jan Hastings
Wally Wells

Staff: Richard Harding, Director, Parks, Recreation and Environment
Rob Lawrance, Environmental Planner
Kevin Brydges, Environmental Bylaw Enforcement Officer
Jackie Farrell, Recording Secretary

1. CALL THE OPEN MEETING TO ORDER:

The Regular Meeting was called to order at 4:33 p.m.

2. INTRODUCTION OF LATE ITEMS:

- (a) Add Correspondence Item 8 (c) Zero Waste International Alliance Conference.
- (b) Add Correspondence Item 8 (d) Letter from the Ministry of Environment regarding approval of funding for the 2015 Woodstove Exchange Rebate Program.

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, 2014-SEP-10 at 4:39 p.m. in the Service and Resource Centre Board Room be adopted as circulated. The motion carried unanimously.

5. PRESENTATIONS:

- (a) Rob Lawrance, Environmental Planner, presented a review of the Canadian Urban Forest Conference that was held 2014-SEP-29 to OCT-03 in Victoria, BC.
- (b) Kevin Brydges, Environmental Bylaw Enforcement Officer, gave a presentation regarding the background of the Green Lake Water Quality Testing.

6. STAFF REPORTS:

(a) Verbal Summary of Tree Management / Subdivision Process Tour

R. Lawrance gave a verbal summary of the committee tour held 2014-SEP-24. Committee members who attended the tour included Diane Brennan, Suzanne Andre, Glenda Hunter, Anne Kerr, Ted Perry and Shelley Serebin.

(b) Summary of City of Nanaimo policy document related to trees

R. Lawrance reviewed the list of City of Nanaimo policy documents that are related to trees.

(c) Verbal Update on Rivers Day Event held 2014-SEP-28

R. Lawrance led a discussion regarding the Rivers Day Event and tours. Planning for next year's event is in progress.

(d) Climate Science Symposium

R. Lawrance reviewed the programme for the Climate Science Symposium to be held on Saturday, 2014-OCT-18, 9:30am to 12pm in the Vancouver Island Conference Centre Shaw Auditorium.

(e) Environment Services Monthly Report – September 2014

It was moved and seconded to receive all staff reports as presented. The motion carried unanimously.

7. CORRESPONDENCE:

- (a) Webinar Powerpoint on Energy Benchmarking from the City of Vancouver.
- (b) Upcoming Invasive Plant Removal Events offered by the Parks, Recreation and Environment Department.
- (c) Zero Waste International Alliance Conference & Dialogue held in Nanaimo from 2014-OCT-02 to OCT-04.

G. Hunter gave a verbal summary of the major topics covered during the conference, including plastic recycling issues and electronic waste.

- (d) Letter from the Ministry of Environment regarding approval of funding for the 2015 Woodstove Exchange & Burn it Smart Program.

8. ADJOURNMENT:

It was moved and seconded at 6:22 p.m. that the meeting adjourn. The motion carried unanimously.

CERTIFIED CORRECT:

D. Brennan, Chair
Advisory Committee on Environmental Sustainability

R. Harding, Director
Parks, Recreation and Environment

2014-OCT-15
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City of Nanaimo

REPORT TO THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY

DATE OF MEETING: 2014-NOV-12

AUTHORED BY: R. LAWRENCE, ENVIRONMENTAL PLANNER
PARKS, RECREATION AND ENVIRONMENT

RE: PARKS, RECREATION AND ENVIRONMENT DRAFT 2015 MARKETING PLAN

STAFF RECOMMENDATION:

That the Advisory Committee on Environmental Sustainability receive for information.

DISCUSSION:

The Marketing Team for the Parks, Recreation and Environment Department are currently in the process of developing the marketing plan for 2015. This plan is focused on a month to month basis and sets an outline for the year on what areas Parks, Recreation and Environment will promote city-wide. Each month is given an overarching theme as well as other areas of focus. New this year, will be an environmental focus each month.

The topics for the environmental focus were meant to provide seasonal stories on the interdependence of life within ecosystem types in the city and how these urban ecosystems play a role within the broader environment (illustrated through stories on bird migration and salmon returns to the city). The following list outlines the proposed environmental topics for 2015.

DRAFT 2015 Marketing Plan	
Month & Theme:	Environmental Focus:
January – Get Active	Owl Prowl: Who's calling in the Night?
February – Heart Month	Early Signs of Spring (Migrating birds, early flowers, critter tracks)
March – New Activity Guide released	Wetlands (Western Toad Breeding & Calling, Bird Nesting, Herring Arrival)
April – Springtime in the City	Native Plants in Bloom (Native Salvage Program, growing your own food)
May – Invasive Plant Month	Our Urban Ecology (Invasive plants, biodiversity in Nanaimo)
June – End of School/Start of Summer	Water Conservation & Shoreline ecology
July – Summer in the City	Coastal Douglas fir ecosystem (Forest life cycles, fringe benefits, wildlife trees)

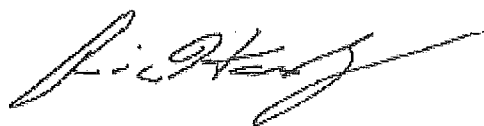
August – Summer in the City	Garry Oaks and the Dry Season (Jumping Gall Wasps, Being Fire Smart, how woodland creatures adapt to dry conditions)
September – Welcome Back	Rivers – Watercourses in Nanaimo (Salmon Return, the ecology of a stream)
October – Fall into Autumn	Comings & Goings (Bird Migrations, Fabulous Fungi, Creatures of the Night)
November – Sports!	Fall Harvest in the Forest (Eagles & Salmon, Nuts about Squirrels)
December – Holiday Season	Backyard Birding (Christmas bird count, feeding birds in winter, how to create a yard ideal for backyard birding)

Respectfully submitted,



Rob Lawrance
ENVIRONMENTAL PLANNER
PARKS, RECREATION AND ENVIRONMENT

Concurrence by:



Richard Harding
DIRECTOR
PARKS, RECREATION AND ENVIRONMENT

2014-NOV-06
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City of Nanaimo

REPORT TO THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY

DATE OF MEETING: 2014-NOV-12

AUTHORED BY: ENVIRONMENTAL SERVICES DIVISION

RE: ENVIRONMENTAL SERVICES MONTHLY REPORT – OCTOBER 2014

ENVIRONMENTAL PLANNING AND DEVELOPMENT:

- Attended the Coastal Invasive Species Committee end of season presentations from their invasive removal contractors. Also discussed the management of planning issues for next year.
- Currently reviewing the draft changes to the Stormwater section of the Manual for Engineering Standards and Specifications (MoESS), along with other staff.

DEVELOPMENT APPLICATION REVIEW & DEVELOPMENT REFERRALS

- Received and reviewed four planning and two subdivision referrals
- Attended two pre-application meetings

MEETINGS / TRAINING / PROFESSIONAL DEVELOPMENT:

- The Environment Services section attended the Canadian Urban Forest Conference held in Victoria from 2014-SEP-29 to OCT-03.
- Attended the Vancouver Island Real Estate Board Professional Development Day which included running a booth with information on the Realtor Energy Efficiency Program (REEP) and provided information to realtors on energy efficiency rebate programs.
- Met with Parks Operations staff and ACES rep to prepare orientation session for the launch of the Native Plant Salvage Program. Orientation to be held 2014-NOV-06.

ENVIRONMENTAL EDUCATION:

- Climate Science Symposium, held on 2014-OCT-18. Working with the RDN, helped facilitate and organize a public symposium on the latest climate science that included a panel discussion with community stakeholders on community projects to address GHG emissions.
- Appeared as a delegation at the Regional District of Nanaimo Board Meeting on 2014-OCT-28 to provide an overview of the Realtor Energy Efficiency Project (REEP). The presentation provided specific reference to the partnerships between the City of Nanaimo, the RDN, and the Realtor community through the Vancouver Island Real Estate Board (VIREB).

ENFORCEMENT:

- 10 Calls for Service for environmental enforcement issues
- Conducting a review of goose population management with Parks Operations
- Reviewing and ground truthing watercourse locations as part of an online mapping update
- Preparation of evidence and material for a court dispute of fines

PARKS OPERATIONS:

- Hanging baskets have been removed for the season. Water savings continue to accumulate with new products. This year, 24 new baskets with water reservoirs were utilized. Watering for these baskets is once a week versus the traditional moss baskets that are watered at least once daily. A downfall with these baskets is the weight due to the 11 L reservoir capacity so we have to be careful where they are placed.
- Invasive Plant removal work party held at Pipers Lagoon Park on 2014-OCT-16. Focused on Daphne removal. Next work party is scheduled for 2014-NOV-21 in Bowen Park.

INFRASTRUCTURE PLANNING & ENERGY:

- The Reservoir #1 next to Colliery Dam Park is currently in operation and is generating power that is being sold to BC Hydro.
- Progress was achieved with BC Hydro on the incentive review process for the Water Treatment Plant. Savings of 719,000 kwh per year from the energy conservation measures is being currently being pursued.
- Working on upgrading lighting in the Bowen Park Complex. This project is expected to save 3,000 kwh per year.
- The lighting upgrade at the Nanaimo Aquatic Centre is in the design stage.
- Bastion Parkade lighting upgrade is being reviewed.
- The heat recovery project at Beban Park is proceeding with the design process for the unit above the Leisure Pool and the system for the chiller in Frank Crane Arena. The heat recovered from these units will be used to heat the Beban Pool boiler water.

ONGOING COMMITTEE WORK:

ITEM:	RECOMMENDATION	STATUS	STAFF
Native Plant Salvage Program	Direct staff to return with a report on the feasibility, costs, benefits, and framework of a Native Plant Salvage Program	Staff will run a trial program in the Fall. Currently drafting report forms and training course scheduled for Nov. 6 th .	Environmental Services Parks Operations

Wild Bird Populations	Direct staff to return with a report on the topic of cat bylaws used in other cities and methods to protect wild bird populations as part of an information report to Council	Research in progress	Environmental Services
Environmental Forum Planning	Proceeding with planning for an event on 2014-OCT-18	Event held on 2014-OCT-18 in partnership with the RDN.	Environmental Services
Environmental Framework for Nanaimo	Endorse the concept of developing an environmental framework for Nanaimo using a partnership model and that staff return with a report on the mechanics of developing the framework	Report pending	Environmental Services

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Press release

SolaRoad opens

The first road in the world that converts sunlight into electricity is ready for use

Haarlem, 21 October 2014



The SolaRoad pilot road has been opened this week. SolaRoad is a road surface that acts as a solar panel. SolaRoad will be officially opened on the 12th of November by Minister Kamp. This is the first road in the world that converts sunlight into electricity. SolaRoad was developed by TNO, the Province of North-Holland, Ooms Civiel and Imtech Traffic&Infra.

Road surface that converts sunlight into energy

The pilot road of just a hundred metres consists of concrete modules each of 2.5 by 3.5 metres. Solar cells are fitted in one travelling direction underneath a tempered glass top layer which is approximately 1-cm thick. There are no solar cells on the other side of the road and this is used to test various top layers. In time, the solar power from the road will be used for practical applications in street lighting, traffic systems, electric cars (which drive on the surface) and households. This first section of

SolaRoad is located in Krommenie, along the provincial road N203, next to the Texaco garage on the railway track side (GPS data: 52.493875, 4.767134).

Test period

For a three-year period, various measurements will be taken and tests performed to enable SolaRoad to undergo further development. The tests must answer questions such as: How does it behave in practice? How much energy does it produce? and What is it like to cycle over? In the run-up to the surface being laid, the road was tested in the laboratory to ensure that it fulfils all (safety) requirements for road surfaces.

Official opening on the 12th of November

SolaRoad will be officially opened on Wednesday the 12th of November by Minister Kamp.

More information

For more information about SolaRoad take a look at www.solaroad.nl/en/

Also follow SolaRoad on social media:

Twitter: [@SolaRoadNL](https://twitter.com/SolaRoadNL)

Facebook: <http://www.facebook.com/solaRoadNetherlands>

Note for the editors – not for publication

For more information about the content of this press release, please contact one of the persons listed below. Images can be downloaded from our image library on the website. You can also register with the persons listed below to attend the opening of SolaRoad on the 12th of November 2014.

Contact persons

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