

AGENDA

REGULAR MEETING OF THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
SERVICE AND RESOURCE CENTRE BOARD ROOM, 411 DUNSMUIR STREET
WEDNESDAY, 2014-JUL-09, 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:**

- (a) Minutes of the Regular Advisory Committee on Environmental Sustainability Meeting held Wednesday, 2014-MAY-14, at 4:32 p.m., in the Service and Resource Centre Board Room. Pg. 3-5

(Motion required to adopt minutes)

- (b) Minutes of the Regular Advisory Committee on Environmental Sustainability Meeting held Wednesday, 2014-JUN-11, at 4:33 p.m., in the Service and Resource Centre Board Room. Pg. 6-8

(Motion required to adopt minutes)

5. **CHAIR'S REPORT:**

- (a) Mid-year review of ACES 2014 Work Plan
- (b) Discussion regarding the planning of a fall Committee tour

8. **STAFF REPORTS:**

- (a) **Native Plant Salvage Program** Pg. 9-11
R. Lawrance, Environmental Planner
-

Purpose: To provide ACES with an overview on the potential implementation of a Native Plant Salvage Program.

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

(Motion required to adopt recommendation)

- (b) **Erosion and Sediment Control** Pg. 12-13

Purpose: To provide ACES with an overview of the City of Nanaimo's Erosion and Sediment Control policies.

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

(Motion required to adopt recommendation)

- (c) **Environment Services Monthly Report - June 2014** Pg. 14-17

9. **CORRESPONDENCE:**

- (a) Brochure regarding BC Hydro's Home Energy Rebate Offer. Pg. 18-19
- (b) An information booklet issued by the provincial government regarding a homeowner's guide to removing Knotweed. Pg. 20-26

10. **NOTICE OF MOTION:**

11. **OTHER BUSINESS:**

(Motion required to review other business)

12. **DELEGATIONS (not related to a Report to Commission): (10 MINUTES)**

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

14. **ADJOURNMENT:**

MINUTES

REGULAR MEETING OF THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
SERVICE AND RESOURCE CENTRE BOARD ROOM
WEDNESDAY, 2014-MAY-14, AT 4:30 P.M.

PRESENT: Councillor D. Brennan, Chair

Members: S. Andre (arrived 4:58 pm)
G. Hunter
A. Kerr
T. Perry
C. Tant
W. Wells
S. Serebin (arrived 4:43 pm)

Regrets: C. Dalrymple
S. DeBoer
J. Hastings

Staff: R. Harding, Director, Parks, Recreation and Environment
(arrived 5:12 pm, departed 6:58 pm)
R. Lawrance, Environmental Planner
K. Brydges, Environmental Bylaw Enforcement Officer
C. Bready, Recording Secretary

1. CALL THE OPEN MEETING TO ORDER:

The Regular Meeting was called to order at 4:32 p.m.

2. INTRODUCTION OF LATE ITEMS:

(a) Add Correspondence Item 7(c) Coastal Invasive Species Committee Spring Forum, Field Tour and AGM.

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-APR-09 at 4:41 p.m. in the Service and Resource Centre Board Room be adopted as circulated. The motion carried unanimously.

5. PRESENTATIONS:

- (a) Bruce Joiner, Infrastructure Planning and Energy Manager, gave a presentation on the steps the City of Nanaimo is taking to corporately improve energy efficiency and lower GHG emissions.

It was moved and seconded to direct staff to return with a report on the City of Nanaimo's Sustainability Reserve Fund and the Regional Emission Reduction Reserve Fund and to report on how they are being utilized. The motion carried unanimously.

- (b) Eric Demers, Biology Department, Vancouver Island University, gave a presentation on the VIU Bird Banding and Monitoring Project at Buttertubs West Marsh.

It was moved and seconded to 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. The motion carried unanimously.

6. CHAIR'S REPORT:

- (a) Environmental Forum Planning

Planning for the Environmental Forum is proceeding. It was proposed that the forum replace the July meeting of ACES and take place outdoors in Bowen Park.

It was moved and seconded that planning for the Environmental Forum proceed for a fall event and that staff return with a report outlining the details of the event at the June meeting of ACES. The motion carried unanimously.

7. STAFF REPORTS:

- (a) Environment Services Monthly Report

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

8. CORRESPONDENCE:

- (a) Bike to Work Week is taking place on 2014-MAY-26 to JUN-01.
- (b) May is Invasive Plant Species Month
- (c) Coastal Invasive Species Committee Spring Forum, Field Tour and AGM, being held Thursday, 2014-JUN-12, from 10am to 4:00pm at the Quw'utsun Cultural and Conference Centre in Duncan, B.C.

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

9. OTHER BUSINESS:

- (a) R. Harding gave a verbal update on the progress of the acquisition of additional land in the Linley Valley.

10. ADJOURNMENT:

It was moved and seconded at 7:10 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-JUN-17
File: A2-12
G:\Admin\ACES\Minutes\2014\ACES140514.docx

MINUTES

REGULAR MEETING OF THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY SERVICE AND RESOURCE CENTRE BOARD ROOM WEDNESDAY, 2014-JUN-11, AT 4:30 P.M.

PRESENT: Councillor D. Brennan, Chair

Members: S.Andre (arrived 4:53 p.m.)
S. Serebin (arrived 4:41 p.m.)
G. Hunter
A. Kerr
T. Perry
C. Tant
W. Wells

Regrets: C. Dalrymple
S. DeBoer
J. Hastings

Guest: Gail Adrienne (departed 5:23pm)

Staff: R. Harding, Director, Parks, Recreation and Environment (arrived 4:51 p.m.)
R. Lawrance, Environmental Planner
K. Brydges, Environmental Bylaw Officer
J. 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 (d) Stream to Sea Nanaimo Newsletter, June 2014 Issue.
- (b) Add Correspondence Item 8 (e) TD Bank's report regarding Urban Forests: The Value of Trees in the City of Toronto.

3. ADOPTION OF AGENDA:

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

4. ADOPTION OF MINUTES:

The Committee requested that the following changes be made to the Minutes of the Regular Advisory Committee on Environmental Sustainability Meeting held Wednesday, 2014-MAY-14 at 4:32 p.m. in the Service and Resource Centre Board Room:

- Amendment of motion wording Item 6 (a) to include “for a fall event;” and,
- Addition of Other Business Item 9 (a) regarding a verbal update on the progress of the acquisition of additional land in the Linley Valley.

5. PRESENTATIONS:

- (a) Wally Wells and Gail Adrienne gave a presentation on the development of an environmental framework for the City of Nanaimo.

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

- (b) Glenda Hunter gave a presentation on her thesis titled “Sustainability in Higher Education: A Case Study of Policy and Practice at Vancouver Island University.”

6. STAFF REPORTS:

- (a) City of Nanaimo Sustainability Reserve Fund and the
Regional Emission Reduction Reserve Fund
R. Lawrance, Environmental Planner

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

- (b) Environment Services Monthly Report – May 2014

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

Councillor Brennan vacated the Chair and the Board Room at 6:00 p.m.
Committee Member W. Wells assumed the Chair.

7. CORRESPONDENCE:

- (a) Aquaculture Innovation Workshop #6 – “Assessing the Technical, Biological and Economic Feasibility of Closed Containment Aquaculture” being held 2014-OCT-27 to OCT-28 at Simon Fraser University.
- (b) News release regarding University of British Columbia’s Department of Forest and Conservation Sciences study that “shows forests are significant carbon sinks.”
- (c) News release and backgrounder regarding the launching of the National Conservation Plan.

- (d) Stream to Sea Nanaimo Newsletter, June 2014 Issue.
- (e) TD Bank's report regarding Urban Forests: The Value of Trees in the City of Toronto.

8. OTHER BUSINESS:

It was moved and seconded to direct staff to organize a tour to review environmental concerns throughout the city, including single family developments, preservation of trees and steep slope areas, and to precede the tour with a presentation on the single family development process. The motion carried unanimously.

It was moved and seconded to have staff provide a report on existing outreach education programs on the value of trees and possible other education programs on the topic and provide a report at July's meeting. The motion carried unanimously.

9. ADJOURNMENT:

It was moved and seconded at 6:35 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-JUN-23
File: A2-12
G:\Admin\ACES\Minutes\2014\ACES140611M.docx

City of Nanaimo

REPORT TO THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY

DATE OF MEETING: 2014-JUL-09

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

RE: NATIVE PLANT SALVAGE PROGRAMS

STAFF RECOMMENDATION:

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

PURPOSE:

To provide ACES with an overview on the potential implementation of a Native Plant Salvage Program.

BACKGROUND:

At their 2014-APR-09, the Advisory Committee on Environmental Sustainability, committee member Ted Perry gave a presentation on Native Plant Salvage Programs and an example of a program in Saanich. At that meeting, a motion was passed to direct staff to return with a report on the feasibility, costs, benefits, and framework of a Native Plant Salvage Program.

Overview of the District of Saanich Plant Salvage Program

This program preserves native plants in Saanich that would otherwise be lost to development or municipal work. Through voluntary partnerships with developers, the volunteer program members remove plants from development sites before construction begins.

The main goals of the program are:

- Protect biological diversity
- Restore wildlife habitat
- Encourage the use of native plants
- Promote the preservation and restoration of environmentally significant areas in Saanich

The program is coordinated through the Environmental Education Officer for Saanich (EEO) who reviews development permits, looking for appropriate sites for salvaging. A permission form is sent to the owner or agent, who needs to agree to the program before it can proceed. Once a signed permission form is received, a site form is prepared with the owner or agent to explain the location of the salvage, and the restrictions. The site form then goes to the salvagers, who have received orientation training and have signed onto the program.

With conditional approval, the EEO flags out the area where the salvage can take place, and opens it up to salvagers. A sign is posted on site to explain the process to neighbours and people passing by.

Volunteer Members

The program began in 2001 with 27 volunteer salvagers and has now grown to over 500 with five to seven salvages being held each year. To become a member, participants must attend an orientation session to ensure they are trained in appropriate and safe salvaging practices. After signing an agreement / waiver form to release landowners from liability, the members of Saanich Native Plant Salvage Program receive regular salvage site announcements and other related information. Site meetings, occasional workshops, and a secure website are also available for members.

Landowners and developers participate in this program by granting permission for volunteer members of Saanich's Native Plant Salvage Program to access their property before development begins.

Salvaged Plants

Plants salvaged from these sites are used locally in private and public restoration projects that benefit the entire community, and are not permitted to be sold.

Salvage is Not the First Choice

The salvaging of native plants is not an alternative to habitat protection; it is also not considered mitigation. All salvage sites have development approvals in place and assessments have been conducted for habitat and species protection. The salvage program is a stewardship initiative that compliments other environmental protection tools.

DISCUSSION:

A similar program could be coordinated at the City of Nanaimo through the Environmental Services Section and could follow a similar framework to the Saanich program. The first year could run as a pilot initially, and, if proved successful, it could be incorporated into the Volunteer in Parks Program (VIP).

When considering how a similar program could work in Nanaimo, opportunities to promote plant salvage during development meetings could be done as part of the development permit process. If a developer agreed to participate in the program, Environmental Services could contact the developer and arrange for a site visit to confirm access, times, dates and no-salvage zones with the property owner. After a permission form is signed, the trained volunteers for the program could receive a site form that gives details on when and where to remove plants onsite.

There are costs associated with the initial start up. Costs are primarily in staff time to develop the program materials, workshop and signage. Once the program is up and running, there are minimal costs, with most of it coming from staff time. Plant salvages probably take one to two days of staff time to plan for and oversee. If following the Saanich example, there would be the


coordination of one or two training/orientation sessions for volunteers. Any additional workshops would be at an additional cost.

Respectfully submitted,



Rob Lawrance
ENVIRONMENTAL PLANNER
PARKS, RECREATION AND ENVIRONMENT

Concurrence by:



Richard Harding
DIRECTOR
PARKS, RECREATION AND ENVIRONMENT

2014-JUL-02
File: A2-12
G:\Admin\ACES\RptACES\2014\ACESRPT140709NativePlantSalvagePrograms.docx
RL/jf

City of Nanaimo

REPORT TO THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY

DATE OF MEETING: 2014-JUL-09

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

RE: EROSION AND SEDIMENT CONTROL POLICIES

STAFF RECOMMENDATION:

That the Advisory Committee on Environmental Sustainability receive for information.

PURPOSE:

To provide ACES with an overview of the City of Nanaimo's Erosion and Sediment Control policies.

BACKGROUND:

A review of current policies, education and training for staff and development applicants around erosion and sediment control is listed under the 2014 Annual Work Plan for the Advisory Committee on Environmental Sustainability.

At their 2014-APR-09, the Advisory Committee on Environmental Sustainability received a presentation from Dean Mousseau, Manager of Engineering and Subdivision, on the City of Nanaimo's policies, education, and training on Erosion and Sediment Control. At that meeting, a motion was passed to direct staff to report back on Erosion and Sediment Control policies within the City of Nanaimo.

The City of Nanaimo currently has the following bylaws to address soil erosion, carried through water and / or air:

- The "Dust Control Bylaw 1995 No.4896" for airborne erosion
- The "Traffic and Highways Regulation Bylaw 1993 No.5000" for overland flow
- The "Storm Sewer Regulation and Charge Bylaw 1990 No.3808"
- The "Sewer Regulation and Charge Bylaw 1982 No.2496" for flow with piped systems

The Engineering and Subdivision Section of the Community Development Department play a key role in administering the City's erosion and sediment control bylaws. The section is involved in the subdivision and building development (Residential as well as Commercial, Industrial or Multi-family) processes for the City.

Subdivision requirements for Erosion and Sediment Control are established primarily through the Preliminary Layout Agreement (PLA) and Design Stage Acceptance (DSA) for the proposed works.

For Commercial, Industrial, and Multi-family Building Development the requirements for Erosion and Sediment Control are established through Development Permit (DP), Building Permit (BP) and DSA for the proposed works.

For Residential Building Permits, the requirements for Erosion and Sediment Control are established through the Access Permit and are included as conditions on the Building Permit.

In addition, City of Nanaimo staff continue to have ongoing discussions and meetings with consultants, contractors, developers and the Ministry of Forest, Lands and Resource Operations (FLNRO) staff on erosion and sediment control practice in an effort to educate and to underline the importance of erosion and sediment control as well as for staff to understand the difficulties and challenges in order to implement procedures to improve performance.

DISCUSSION:

In conversations with staff, the need to review all existing bylaws dealing with erosion and sediment control and update the language and enforcement sections has been identified as a priority. However, staff has not been able to complete this work due to limitations for time and due to a lack of budget to hire an outside consultant to undergo a review. That said, a review of the "Storm Sewer Regulation and Charge Bylaw 1990 No.3808" is currently underway and updates in several sections, including the enforcement section, is being done.

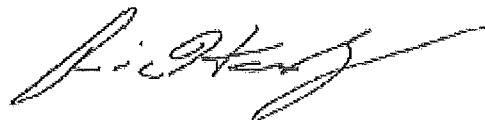
While education and training on erosion and sediment control techniques is seen as a responsibility of the developer and consultant, City of Nanaimo staff who work directly with contractors and construction firms are finding challenges in communicating bylaw requirements on the ground. Bylaw infractions have also proven to be challenging to manage and enforce in the past.

Respectfully submitted,



Rob Lawrance
ENVIRONMENTAL PLANNER
PARKS, RECREATION AND ENVIRONMENT

Concurrence by:



Richard Harding
DIRECTOR
PARKS, RECREATION AND ENVIRONMENT

City of Nanaimo

REPORT TO THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY

DATE OF MEETING: 2014-JUL-09

AUTHORED BY: ENVIRONMENTAL SERVICES DIVISION

RE: ENVIRONMENTAL SERVICES MONTHLY REPORT – JUNE 2014

ENVIRONMENTAL PLANNING AND DEVELOPMENT:

REEP – Realtor Energy Efficiency Program

- Organized and facilitated a conference call with the REEP Advisory Committee and Project Team. Reviewed the Nanaimo program and discussed lessons learned from similar past programs. Also held first team meeting and reviewed work plan for the coming month.
- Currently working with Information Technology and Building Inspections on preparing a database for homes that have had home energy assessment and Energuide ratings in Nanaimo.
- Received confirmation from the Real Estate Foundation that the REEP program funding application was approved for \$20,000.

Harewood Plains

- Preliminary meeting with Species at Risk Biologist for Ministry of Forests, Lands and Resource Operations (FLNRO) at Lotus Pinnatus Park. Discussed potential projects and funding through the National Conservation Plan.

Invasive Plant Management

- Met with volunteers at Westwood Lake to remove Ivy from trees. Helped with orientation and ivy removal.
- Made two site visits to confirm Knotweed and discussed treatment and management options.

Development Application Review & Development Referrals

- Attended four pre-application meetings to review initial development proposals with developers.
- Reviewed and provided comment on two referrals.

MEETINGS / TRAINING / PROFESSIONAL DEVELOPMENT:

- Hosted the Nanaimo Watershed Roundtable Meeting, which was held in the Bowen Park Conference Room.
- Met to discuss operational issues and proceed with updating and consolidating the management plan with the West Marsh Management Plan area.
- Invasive Plant Awareness Month debrief with parks staff.
- Bike to Work Week Debrief with the Bike to Work Week Committee.

- Meet with members of the staff Green Team about enhancing expanded recycling service for SARC and City Hall.
- Attended Coastal Invasive Species Council Forum held in the Quw'utsun Conference Centre, Duncan BC.
- Attended an open house for Bernhardt House – the first certified passive house on Vancouver Island (www.bernhardtpassive.com).
- Met with the Environmental Education Officer for Saanich to discuss their Native Plant Salvage Program.

ENVIRONMENTAL EDUCATION:

- Arranged and helped facilitate a lunch and learn with Kim Stephens and Peter Law from the Partnership for Water Sustainability in BC. Planning, Subdivision and Engineering staff attended.

PARKS OPERATIONS (MAY 2014):

Includes activity conducted by the Parks Operations division that is relevant to this committee.

- Invasive Plant Species Management month ran throughout May and was a huge success. Three work parties were advertised in the Activity Guide and six more community groups organized work parties. Many individuals were also out cutting down Scotch broom. The City of Nanaimo Parks Operations staff focused this year on removing English Ivy.
- The Forest Drive Gyro Park neighbourhood completed the final phase of their community garden installation. The new beds are full of soil and planted with edible plants.
- The Pawson Park neighbourhood have carried out several successful neighbourhood community garden work parties. Food is growing very vigorously in the beds.
- An Osprey viewing platform was rebuilt at Buttertubs Marsh Park.
- The pilot project "Goats on the Hoof" spent three days in Bowen Park and the goats enjoyed feasting on Himalayan blackberry.
- Invasive species alert signs were installed at 16 sites throughout the community. Waiting for the second printing of signs as public and staff are calling in sightings of Japanese Knotweed.
- Staff attended a training session on identification and best management practices for controlling invasive plants.
- Tree support installed at Arbutus Park to assist a 100 year old apple tree.



New Osprey viewing platform at Buttertubs Marsh Park



Tree support installed at Arbutus Park.

ENFORCEMENT:

- Drafted an Environmental Enforcement Protocol to determine how environmental bylaw infractions are to be handled between departments. It is currently being reviewed by staff.

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.	Drafting report	Environmental Services Parks Operations
Erosion and Sediment Control Policies	Direct staff to report back on Erosion and Sediment Control Policies within the City of Nanaimo	Drafting report	Environmental Services Engineering & Subdivision
Sustainability Reserve Fund and the Regional Emission Reduction Reserve Fund	Direct staff to return with a report on the City of Nanaimo's Sustainability Reserve Fund and the Regional Emission Reduction Reserve Fund and to report on how they are being utilized	Report to ACES – Task Completed	Environmental Services
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	Proceed for planning a fall event	Planning in process	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	Drafting report	Environmental Services

Single Family Developments / ACES Tour	Direct staff to organize a tour to review environmental concerns throughout the city, including single family developments, preservation of trees and steep slope areas, and to precede the tour with a presentation on the single family development process	Tour planning in process	Environmental Services Engineering & Subdivision
Value of Trees and Education Programs	Have staff provide a report on existing outreach education programs on the value of trees and possible other education programs on the topic and provide a report at July's meeting	To be included under committee tour	Engineering & Subdivision

2014-JUL-03
File: A2-12
G:\Admin\ACES\RptACES\2014\ACESRPT140709ACESMonthlyReportJune2014.docx

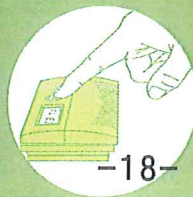
THE HOME ENERGY REBATE OFFER IS PROVIDED IN PARTNERSHIP BY BC HYDRO POWER SMART AND FORTISBC*.

Through this partnership, we are able to offer rebates for both natural gas and electric energy efficient upgrades.

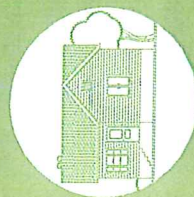
The benefits of the program include:



Rebates on insulation, draftproofing, ventilation, hot water and heating systems AND a \$750 Bonus Offer when you install 3 eligible upgrades



Reduced energy use by up to 30 per cent and save on your energy bill



A more comfortable home all year round

*FortisBC Energy Inc., FortisBC Energy (Vancouver Island) Inc., FortisBC Energy (Whistler) Inc. and FortisBC Inc. do business as FortisBC. The companies are indirect, wholly owned subsidiaries of Fortis Inc. FortisBC uses the FortisBC name and logo under license from Fortis Inc.

GET STARTED TODAY!

For full program terms, conditions and offers, please visit one of the websites listed below. Applicants are responsible for reviewing and understanding the current full program terms and conditions before participating in this program. Terms and conditions may change at any time without notice.

Visit bchydro.com/homerebates or fortisbc.com/homerebates to learn more.

Alternatively, you can email hero@consumer-response.com or call **1 877 740 0055** for more information.

HOME ENERGY REBATE OFFER

THINKING ABOUT UPGRADING YOUR HOME?

The Home Energy Rebate Offer can help you save with valuable rebates on a variety of home energy upgrades.

BChydro  **POWERsmart**

We're working with FortisBC to help you save energy.



 Printed on recycled paper. Please recycle.

A14-096

FOUR EASY STEPS TO PARTICIPATE:

STEP 1) LEARN MORE

- Visit your utility's website to learn more about the program. If your home is electrically heated, visit bchydro.com/homerebates; if your home is heated by natural gas, visit fortisbc.com/homerebates.

STEP 2) HIRE AN ENERGY ADVISOR TO COMPLETE AN ENERGUIDE* HOME EVALUATION (OPTIONAL)

- An EnerGuide home evaluation is required for the draftproofing and Bonus Offer and highly recommended for all other upgrades.
- EnerGuide home evaluations provide a thorough picture on where your home is losing heat and what you can do to save energy and money.
- To find an energy advisor and to learn more about the benefits of EnerGuide home evaluations, visit your utility website.

STEP 3) INSTALL ELIGIBLE UPGRADES BY

MARCH 31, 2015 AND KEEP YOUR RECEIPTS

- With the help of your energy advisor and/or contractor, decide on the eligible upgrades that are best suited for your home and budget.
- For tips on hiring a contractor, visit hiringacontractor.com
- For a gas contractor, visit fortisbc.com/findacontractor

STEP 4) DOWNLOAD THE APPLICATION FORM FROM YOUR UTILITY WEBSITE AND SUBMIT IT ALONG WITH ALL SUPPORTING DOCUMENTS BY APRIL 30, 2015

REBATES OVERVIEW

Insulation:

- Attic Up to \$600
- Walls Up to \$1,200
- Basement or Crawl Space Up to \$1,000
- Other Up to \$450

Ductless Heat Pump (for electrically heated homes) \$800/system

EnerChoice Fireplace \$300

High Efficiency Water Heater Up to \$1,000

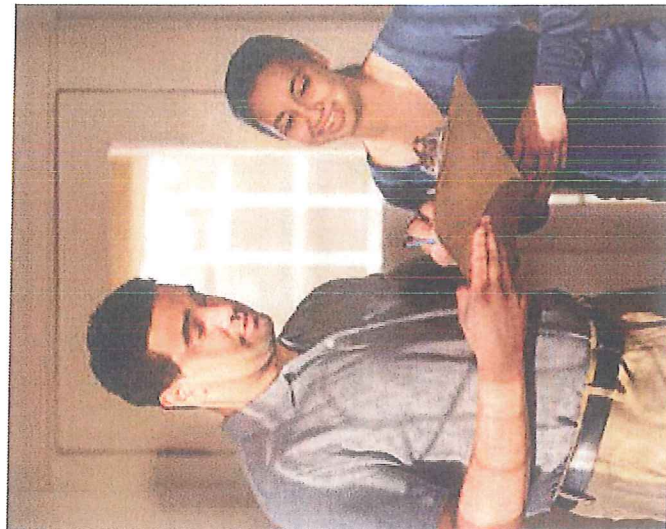
ENERGY STAR® Bathroom Fans \$25/fan

Draftproofing (EnerGuide home evaluation required) Up to \$500

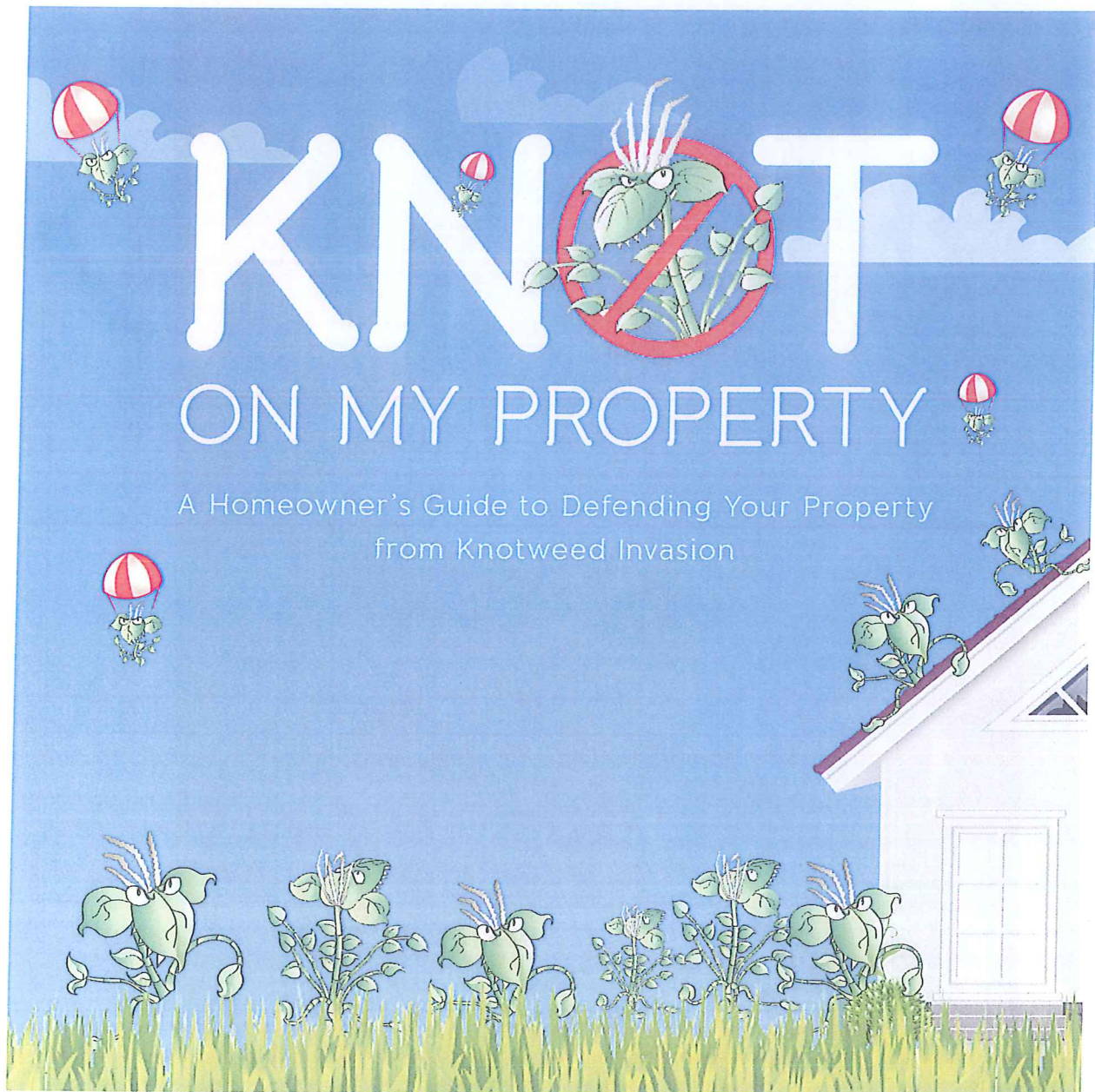
BONUS OFFER

Requires a pre and post EnerGuide home evaluation and installation of 3 eligible upgrades such as:

- ENERGY STAR Windows
- High Efficiency Heating System
- Insulation
- Draftproofing
- Water Heating System



*EnerGuide is an official mark of Natural Resources Canada.





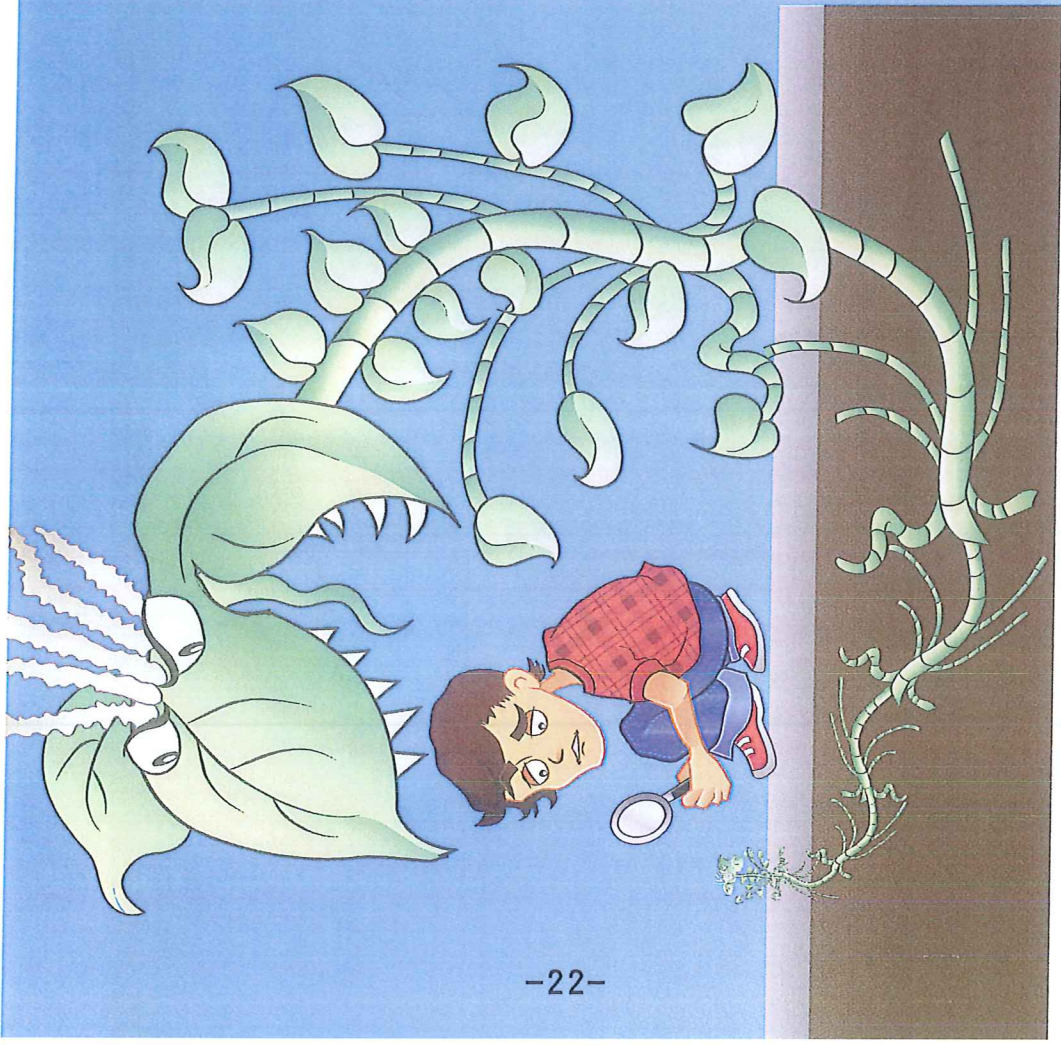
An alien may be lurking at your doorstep. Knotweed, native to Asia, can push its way through concrete and grow up to 4cm a day. Its extensive root system can damage your foundation, driveway, and septic system. This guide will help you defend your property from invasion.

Scan the QR codes to watch the videos and learn more.



www.iscmv.ca/komp





Alien Profile

Location: Just about anywhere including driveways, gardens, roads, ditches, creeks

Status: At Large in British Columbia

Description:

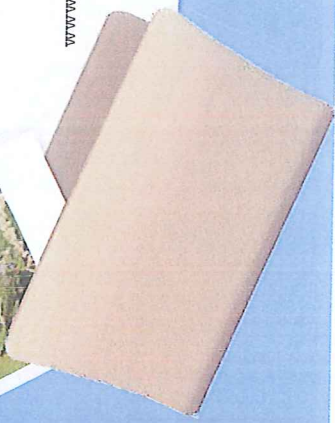
- Hollow, bamboo-like stems
- Distinct red coloured segments along the stems
- Small white flowers
- Large green leaves
- Grows to 3m tall

Wanted for: Extensive damage to private and public property and wreaking havoc on the environment

Notes: Spreads by roots, seeds and plant fragments.



www.iscinv.ca/komp/id



Property Values and Legal Issues

Knotweed does not respect fences. The root systems are capable of traveling 20m horizontally -- so if you have it, your neighbour probably does too.

Knotweed is serious stuff. In the UK some homeowners have been denied property insurance or mortgages on properties with knotweed. Here in BC, this hasn't happened yet. The **BC Weed Control**

Act does require any land owner or occupier to control knotweed on their property



www.iscmv.ca/komp/legal



What Knot to Do

Do Knot - cut, weed whack or mow knotweed. Knotweed is spread largely by small plant fragments so these activities turn one plant into thousands.

Do Knot - dig out large infestations. Knotweed roots can go as much as 3m deep and are extensive. Any tiny root fragment left behind can result in further growth.

Do Knot - put any knotweed parts in your home compost. Knotweed cannot be reliably "cooked" by your home compost. If you must cut it, put it in your green waste for pick up so it can be commercially composted by professionals.

www.iscmv.ca/komp/doknot



Knot Anymore

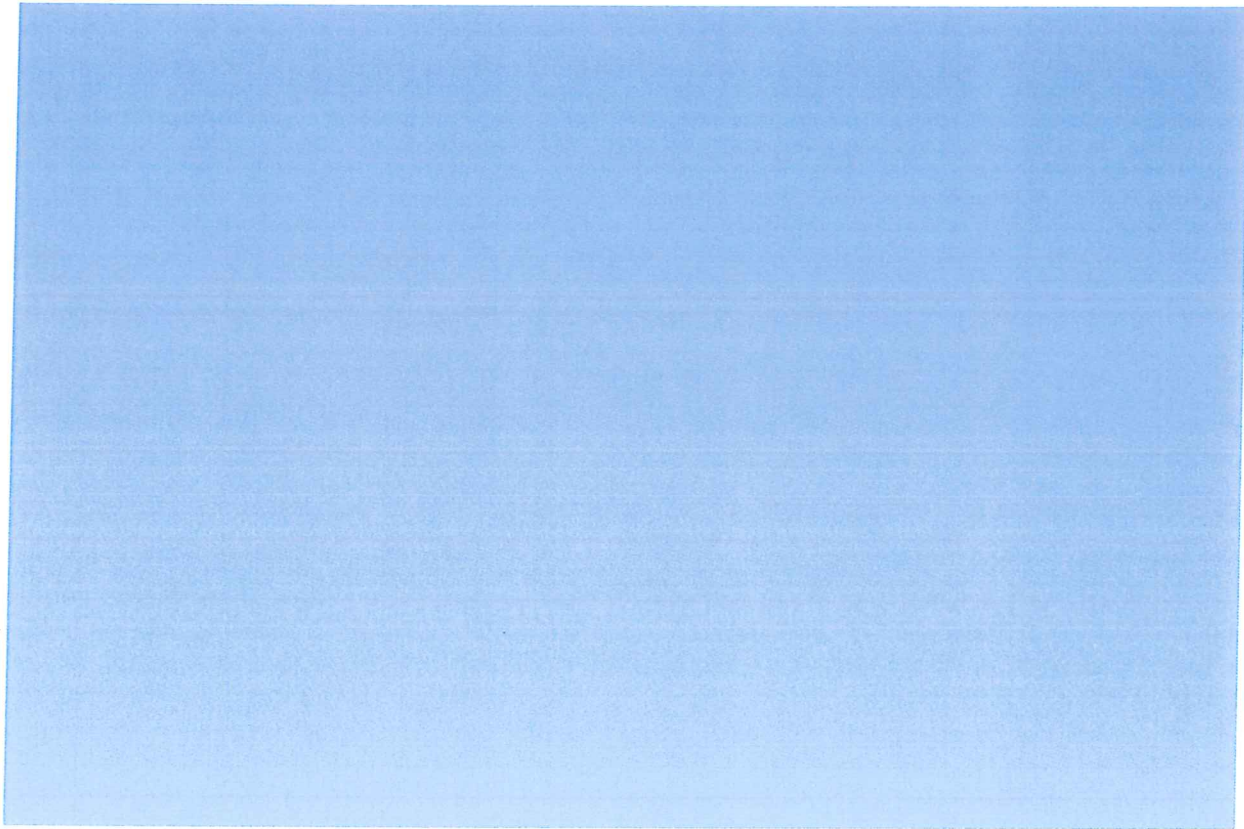
The most effective way to win the knotweed battle is to use specially-selected herbicide. A product that can attack knotweed's extensive root system is required. Call a company with certified applicators. They can help you choose the appropriate treatment method for your property and get the job done safely.

There is no silver bullet with knotweed. Knotweed can take a few years of treatments to achieve control. Be patient and committed to your treatment program and you can defeat this stubborn alien and **protect your home.**



www.iscmv.ca/komp/treatment





Ministry of
Forests, Lands and
Natural Resource Operations



Ministry of the Environment

