

AGENDA
REGULAR MEETING OF THE
ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
BOWEN COMPLEX CONFERENCE ROOM
500 BOWEN ROAD (LOWER LEVEL)
WEDNESDAY, 2015-SEP-09, COMMENCING AT 4:30 P.M.

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 or amended agenda.)

4. **ADOPTION OF MINUTES:**

Minutes of the regular Advisory Committee on Environmental Sustainability meeting held Wednesday, 2015-JUL-08, at 4:38 p.m., in the Bowen Complex Conference Room.

Pgs.
3 - 5

(Motion required to adopt minutes.)

5. **PRESENTATIONS:**

- (a) Julie Pisani, Drinking Water and Watershed Protection Program Coordinator, Regional District of Nanaimo, providing a PowerPoint presentation on the Community Watershed Monitoring Program – Water Quality Sampling in Nanaimo's Urban Streams.

6. **CHAIR'S REPORT:**

- (a) DRAFT - 2016 ACES Key Date Calendar.

Pg. 6

(Motion required to adopt the 2016 ACES Key Date Calendar.)

- (b) River's Day Event.

7. **STAFF REPORTS:**

- (a) **Environmental Framework Process**
R. Lawrance, Environmental Planner
-

Pgs.
7 - 8

Purpose: To provide ACES with a process for developing an environmental framework that identifies the communities environmental programs and services and seeks public input into defining a community vision for a greener Nanaimo in the future.

Staff Recommendation: That the Advisory Committee on Environmental Sustainability provide comment and endorse the Environmental Framework Process.

(Motion required.)

- (b) **Buttertubs Marsh Management Plan Review** Pgs.
R. Lawrance, Environmental Planner 9 - 10
-

Purpose: To provide ACES with background on the Buttertubs Marsh Management Plan review process in preparation for their review and comment once the draft plan is received in the fall of 2015.

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

(Motion required.)

(c) **Information Only Items:**

- i. Environmental Services Monthly Report – July/August 2015. Pgs. 11 - 12
- ii. Green Nanaimo Awards Update.
- iii. Sustainability Fair – 2015-OCT-08 – Vancouver Island University. Pg. 13
- iv. “Introduction to Passive House Design and Construction” – One-day Course – 2015-SEP-17 – Parksville Community Conference Centre. Pg. 14

(Motion required to receive the information only items.)

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

- (a) E-mail dated 2015-SEP-02 from Glenys Verhulst, Oil to Heat Pump Incentive Program Manager, providing a Media Release on the New Oil to Heat Pump Incentive Program for B.C. Homeowners. Pgs. 15 - 16

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

MINUTES
REGULAR MEETING OF THE
ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
BOWEN COMPLEX CONFERENCE ROOM
500 BOWEN ROAD
WEDNESDAY, 2015-JUL-08, AT 4:30 P.M.

PRESENT: Gail Adrienne, Chair

Members: Daniel Appell
Emil Bock
Councillor Diane Brennan
Colin Brown
Richard Finnegan (*arrived @ 4:55 p.m.*)
Wally Wells

Staff: Richard Harding, Director, Parks, Recreation and Environment
Rob Lawrance, Environmental Planner
Kevin Brydges, Environmental Bylaw Enforcement Officer
Charlotte Davis, Manager of Sanitation, Recycling & PW Admin
Alana Gaetz, Recording Secretary

REGRETS: Glenda Hunter
Calvin Tant

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

The Regular Meeting was called to order at 4:38 p.m.

2. **INTRODUCTION OF LATE ITEMS:** (None.)

3. **ADOPTION OF AGENDA:**

It was moved and seconded that the Agenda 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-JUN-10 at 4:33 p.m. in the Bowen Complex Conference Room be adopted as circulated. The motion carried unanimously.

5. **PRESENTATIONS:**

(a) Wolves of Yellowstone – Kevin Brydges.

Mr. Brydges started his presentation with the viewing of a video "How Wolves Change Rivers" <https://www.youtube.com/watch?v=ysa5OBhXz-Q> and then provided a brief overview of the reintroduction of wolves at Yellowstone National Park.

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

6. **CHAIR'S REPORT:**

- (a) Review requirement for an ACES meeting in August.

It was moved and seconded that the 2015-AUG-12 meeting of the Advisory Committee on Environmental Sustainability be cancelled, with the next scheduled meeting of the Committee to be held on Wednesday, 2015-SEP-09, at 4:30 p.m. The motion carried unanimously.

7. **STAFF REPORTS:**

- (a) The Blue Dot Project and the Declaration on the Right to a Healthy Environment (REVISED) – R. Lawrance, Environmental Planner.

It was moved and seconded that the Advisory Committee on Environmental Sustainability provide staff with input and recommend that Council endorse the declaration of "The Right To A Healthy Environment", as amended. The motion carried unanimously.

- (b) Oil to Heat Pump Incentive Program – R. Lawrance, Environmental Planner.

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

- (c) Canada Geese in Nanaimo – K. Brydges, Environmental Bylaw Enforcement Officer.

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

- (d) Information Only Items:

- i. Environmental Services Monthly Report – June 2015.
- ii. Invasive Plant Awareness Month – Rob Lawrance.
- iii. Nanaimo Parksville Qualicum Knotweed Alert 2015 – Rob Lawrance.
- iv. Beverage Container Recycling Coming to Downtown Areas and Parks – Charlotte Davis.
- v. Collection of Organics in Multi-Family Buildings – Charlotte Davis.

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

8. **CORRESPONDENCE:**

- (a) E-mail dated 2015-JUN-23 from Nanaimo CarShare Cooperative regarding Nanaimo CarShare Cooperative Adds Vehicle, Hub.

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

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

10. **OTHER BUSINESS:**

It was moved and seconded that other business be reviewed. The motion carried unanimously.

(a) **ACER “Our Horizon” Initiative.**

It was moved and seconded that this be received for information. The motion carried unanimously.

Diane Brennan left the meeting at 5:54 p.m. and returned at 5:56 p.m.

(b) **Keighly Creek Retaining Wall.**

No motion was made.

(c) **Green Nanaimo Awards Nominations Deadline.**

It was moved and seconded that the Advisory Committee on Environmental Sustainability hold a special meeting to review nominations. The motion carried unanimously.

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

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

13. **ADJOURNMENT:**

It was moved and seconded at 6:27 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
ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY
KEY DATE CALENDAR – 2016**

UNLESS OTHERWISE NOTED ON AGENDAS:

Meetings are held on the 2nd Wednesday of the month in the:
Bowen Complex Conference Room
500 Bowen Road (lower level)

J A N	Wednesday, 2016-JAN-13, 4:30 p.m.
F E B	Wednesday, 2016-FEB-10, 4:30 p.m.
M A R	Wednesday, 2016-MAR-09, 4:30 p.m.
NOTE: AVICC - 67th AGM & Convention – April 8 – 10, 2016, Nanaimo, BC	
A P R	Wednesday, 2016-APR-13, 4:30 p.m.
M A Y	Wednesday, 2016-MAY-11, 4:30 p.m.
NOTE: FCM Annual Conference & Trade Show – June 03 – 05, 2016, Winnipeg, MB	
J U N	Wednesday, 2016-JUN-08, 4:30 p.m.
J U L	Wednesday, 2016-JUL-13, 4:30 p.m.
A U G	Wednesday, 2016-AUG-10, 4:30 p.m. (IF REQUIRED – AS DETERMINED BY CHAIR)
S E P	Wednesday, 2016-SEP-14, 4:30 p.m.
NOTE: UBCM Annual Convention - September 26 - 30, 2016, Victoria, BC	
O C T	Wednesday, 2016-OCT-12, 4:30 p.m.
N O V	Wednesday, 2016-NOV-09, 4:30 p.m.
D E C	Wednesday, 2016-DEC-14, 4:30 p.m. (IF REQUIRED – AS DETERMINED BY CHAIR)

DRAFT: 2015-JUL-14

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City of Nanaimo

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

DATE OF MEETING: 2015-SEPT-09

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

RE: ENVIRONMENTAL FRAMEWORK PROCESS FOR NANAIMO

STAFF RECOMMENDATION:

That the Advisory Committee on Environmental Sustainability provide comment and endorse the Environmental Framework Process.

PURPOSE:

To provide ACES with a process for developing an environmental framework that identifies the communities environmental programs and services and seeks public input into defining a community vision for a greener Nanaimo in the future.

BACKGROUND:

At their 2014-JUN-11, the Advisory Committee on Environmental Sustainability received a presentation from Wally Wells, Business Representative on the ACES Committee, and Gail Adrienne, representing Nanaimo Area Land Trust, on a proposal to develop an environmental framework document for the City of Nanaimo. At that meeting, the following motion was unanimously approved:

"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."

On 2015-MAY-11, the Finance and Policy Committee of the Whole received a delegation from Paul Manly, and Trevor Greene, requesting that the City of Nanaimo pass a municipal declaration respecting people's right to live in a healthy environment. This declaration is based on The Suzuki Foundation's Blue Dot Project (<http://bluedot.ca/#the-plan/>) to have the right to a healthy environment added to the Canadian Charter of Rights and Freedoms. This was subsequently endorsed by Council on 2015-JUL-20 with amendments that integrated the development of the environmental framework into the declaration.

DISCUSSION:

Both the Corporate Strategic Plan and planNanaimo (the City of Nanaimo's Official Community Plan) provide an overarching vision and direction for Council and the community on a variety of issues, including protecting the natural environment. Committee members feel these documents could be complemented by creating a framework document that identifies all environmental policies and initiatives in Nanaimo, whether as part of a City program or another organization in the community.

It is expected that an environmental framework would provide context for how each policy and initiative contributes toward protecting and enhancing the City's natural urban environment; identifying future emerging environmental issues, and partnership and collaborative opportunities to address them.

The following is a draft phased process for consideration and discussion by the Committee:

Phase 1 (Fall 2015) – Identifying current environmental assets and resources.

- Send activity update to Council at the start of the process
- Identify stakeholders in the community.
- Establish an environmental framework review team (ACES members / stakeholders).
- Update environmental mapping / environmental assets and resources inventory and provide opportunity for stakeholders / public to review and comment on any draft maps.
- Review with ACES and Council.

Phase 2 (Winter / Spring 2016) – Community engagement: Provide opportunities for the public to define a green vision for Nanaimo. Provide opportunities for community stakeholders and residents to participate in a SWOT analysis (identify strengths, weaknesses, opportunities and threats) of current environmental policies, initiatives, programs and identify potential gaps.

- Online Survey.
- Hold forum with community stakeholders.
- Provide opportunity for the general public to participate while enjoying the environment (i.e. Idea Flags on Sway-a-Lana Bridge)

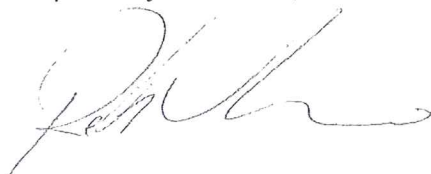
Phase 3 (Spring / Summer 2016) – Plan Preparation and Adoption.

- Prepare draft framework and vision.
- Review with ACES and Council.
- Public open house (to review draft framework and receive input).
- Prepare final draft framework.

Phase 4 – (Fall 2016) - Plan Approval and Implementation.


- Review with ACES and Council.
- Hold open houses and community review.
- Committee and Council approval.
- Implementation.

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: 2015-SEPT-09

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

RE: BUTTERTUBS MARSH MANAGEMENT PLAN REVIEW

STAFF RECOMMENDATION:

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

PURPOSE:

To provide ACES with background on the Buttertubs Marsh Management Plan review process in preparation for their review and comment once the draft plan is received in the fall of 2015.

BACKGROUND:

The Buttertubs Marsh Conservation Area is located adjacent to the Millstone River, within the City of Nanaimo. This 22 hectare conservation area consists of reclaimed wetlands (75%) and is bordered by a shrub mixed-forest complex which provides superb public trails, nature view points, and important educational opportunities. The Conservation Area has significant wetland values for a number of species including one red-listed and six blue-listed birds, and one red-listed and one blue-listed reptile species.

There has been a management plan and co-management agreement in place between the City of Nanaimo (through Parks, Recreation and Environment) and the Nature Trust of British Columbia (owner of the wetland) since 2004. A Management Committee meets regularly to review operational activities and to implement the current management plan.

The Buttertubs Marsh Conservation Area is one component of a larger wetland, river and floodplain complex which includes an adjoining property known as the "West Marsh". The West Marsh property, located at 175 Pryde Avenue, was acquired in 2012 by the City of Nanaimo and Ducks Unlimited. The land is zoned as a natural park and has an Ecogift designation that provides passive recreation and education opportunities, consistent and compatible with the conservation purposes for which the land was purchased.

DISCUSSION:

The Buttertubs Marsh Conservation Area Management Plan was prepared in November 2004. Since then the Buttertubs Management Committee has been meeting two to three times a year. The Committee is represented by a variety of different interests including the City of Nanaimo, Ministry of Forests Lands and Natural Resource Operations, Nature Trust of British Columbia, Ducks Unlimited Canada, and volunteer representatives from the Friends of Buttertubs Marsh.

In January 2015, the Management Committee agreed to proceed with a review and update of the existing management plan and to include the West Marsh property as part of the update, taking into account the unique property ownership mandates for each of the properties.

A request for proposals was prepared that required the services of a consultant to complete the following:

- Summarize the biophysical and land use information collected since 2004 and coordinate the update of relevant mapping with the City of Nanaimo GIS department ;
- Highlight what has been achieved in meeting the original management objectives and recommendations, and identify gaps and shortfalls in the existing plans implementation;
- Expand the scope of the management plan to include the West Marsh and Valley Oak Parks, while recognizing the unique ownership mandates of the properties; and,
- Provide recommendations for immediate actions for the next three to five years.

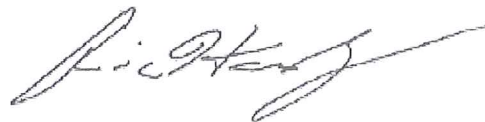
Madrone Environmental Services have been working on the update since April 2015 and are expected to provide a draft management plan for review later this fall. In order to receive greater public input, City staff will review the revised plan with ACES and will seek input on the process and the recommendations received.

Respectfully submitted,



Rob Lawrance
ENVIRONMENTAL PLANNER
PARKS, RECREATION AND ENVIRONMENT

Concurrence by:



Richard Harding
DIRECTOR
PARKS, RECREATION AND ENVIRONMENT

2015-SEP-03

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City of Nanaimo

REPORT TO THE ADVISORY COMMITTEE ON ENVIRONMENTAL SUSTAINABILITY

DATE OF MEETING: 2015-SEPT-09

AUTHORED BY: ENVIRONMENTAL SERVICES SECTION

RE: ENVIRONMENTAL SERVICES MONTHLY REPORT – JULY/AUGUST 2015

ENVIRONMENTAL PLANNING AND DEVELOPMENT:

- Met with BC Hydro's Power Smart Sustainable Communities Manager to review current community energy efficiency programs with the City and to prepare a longer term work plan and partnership. A fall workshop with staff is currently being planned to identify specific opportunities to partner with Building Inspections and Planning and Design in implementing existing policies and developing new programs and incentives within the development process.
- Currently working with the Nature Trust of British Columbia Lands Manager and Madrone Environmental Services in a review and update of the Buttertubs Marsh Management Plan. Met in August to review draft maps and to give the consultant further guidance. Draft plan is anticipated in October 2015.
- Ongoing research into designing the process for the City's Environmental Framework

DEVELOPMENT APPLICATION REVIEW & DEVELOPMENT REFERRALS:

- Received four development permit area and one subdivision application for review.
- Attended two follow up property site visits for ongoing development permit applications.

PROJECT / PROGRAM DEVELOPMENT:

- Goose Management Program: Met Guardians of Mid-Island Estuaries to discuss goose management practice in the Mid-island area and to discuss organizing a technical workshop on goose management practice in the Province and on Vancouver Island.
- Knotweed Awareness Program: City of Nanaimo, Parksville, and Qualicum Beach continue to receive calls and requests from homeowners, reporting Knotweed in the City. The information was passed onto the Coastal Invasive Species Committee (<http://www.coastalisc.com/>). 19 knotweed sites from 2014 have been re-treated. Up to 20 newly identified sites are expected to be treated in 2015.
- Invasive Plant Management Program: Provincial Permits have been applied for to remove knotweed from the bank of the Millstone River near Bowen (West) Field.
- Vancouver Island Beggartick Plant Recovery Program: Currently one site seeded with Beggartick seed and a second site has been prepared to research canary reed grass control. Another research plot will be prepared this fall in Third Street Park.
- Brechin Boat Ramp Upgrade: Environmental assessment and review of Parks Operations boat ramp upgrade project.

EDUCATION / TRAINING:

- Currently enrolled in online courses to obtain Certificate in Community Energy Management through the Community Energy Association.

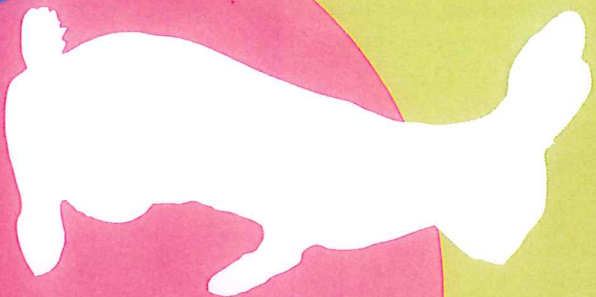
ENFORCEMENT:

- 15 calls for service in June, and, 6 calls for service in July/August.
- 4 Parks Operations assist requests.
- Colliery Dam bypass channel permitting and staff liaison.
- 3 Section 9 Water Act permit applications for City projects.

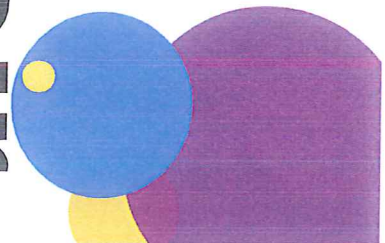
ONGOING COMMITTEE WORK:

ITEM:	RECOMMENDATION	STATUS	STAFF
City of Nanaimo Declaration "The Right To A Healthy Environment" (Blue Dot Project)	At their 2015-MAY-11 meeting the Finance and Policy Committee of the Whole moved and seconded "that Council refer the "Right To A Healthy Environment Declaration" document to the Advisory Committee on Environmental Sustainability as well as to Staff for comment and that ACES and Staff report back to Council within two months." The motion carried.	Complete (Report to Council 2015-JUL-20)	Environmental Services

2015-SEPT-03
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sustainability fair



thursday
october 8
11.30 - 2.00
library quad

bike tune ups • demonstrations

• farmers' market • prizes • and more





One Day Introduction to Passive House Design and Construction

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

Parksville Community Conference Centre
Parksville, BC
September 17, 2015

What 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

Who attends?

- Construction industry professionals
- Architects and designers
- Local government
- Real estate agents
- Home owners and developers
- Sustainability enthusiasts and anyone interested in learning the basics of energy efficient building

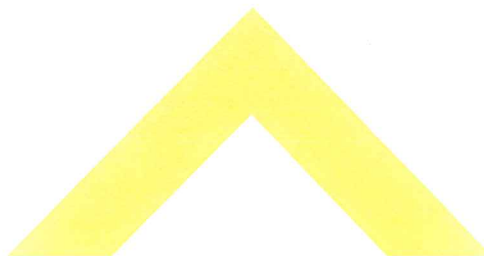
Course fee:

This course is generously funded by the Regional District of Nanaimo (RDN), and residents and businesses within the RDN can register for the discounted price of \$50. Residents outside of the RDN can still attend at the regular price. Lunch and refreshments are included.

Course instructor:

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.

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



From: Oil to Heat Pump Incentive Program [<mailto:info@oiltoheatpump.ca>]

Sent: Wednesday, September 02, 2015 10:55 AM

To: Rob Lawrance

Subject: MEDIA RELEASE: New Oil to Heat Pump Incentive Program for B.C. Homeowners

MEDIA RELEASE

New Oil to Heat Pump Incentive Program for B.C. Homeowners

2 Sept 2015, Victoria, BC - Up to \$1,700 per home is available to help British Columbians upgrade from oil heating to efficient electric air source heat pumps through the Oil to Heat Pump Incentive Program.

The program is funded by the B.C. Ministry of Energy and Mines' Innovative Clean Energy (ICE) Fund and administered by City Green Solutions, a non-profit energy efficiency organization.

"With the cooler weather of fall and winter approaching this is an excellent time for homeowners to think about investing in energy efficient heating solutions. Incentives of up to \$1,700 to upgrade from oil heat to electric heat pumps will make it easier for British Columbians to lower their heating bills and reduce household greenhouse gas emissions," says Bill Bennett, Minister of Energy and Mines.

"An oil to heat pump upgrade is one of the most important things we can do to reduce greenhouse gas emissions from existing homes. Participating homes' typical carbon reductions will be better than taking a car off the road for 15 years," explains Glenys Verhulst, Oil to Heat Pump Program Manager.

"Heat pumps are very efficient home heating systems because they use only a small amount of electricity to move a large amount of heat, to provide comfortable temperatures in the home year-round. An oil to heat pump upgrade will reduce a typical home's energy bills by \$1,300 to \$2,700 every year, and will eliminate the risk of costly damage to air, soil, and waterways from home heating oil leaks," adds Verhulst.

To qualify, homeowners must install a qualifying central or mini-split heat pump and remove their oil tank and oil heating system. Incentives are available on a first-come, first-served basis while funds last.

The Innovative Clean Energy (ICE) Fund is designed to support the B.C. government's energy, economic, environmental, and greenhouse gas reduction priorities and advance B.C.'s clean energy sector.

To learn more, or to register for the Oil to Heat Pump Incentive Program, visit www.oiltoheatpump.ca or call 1.877.545.6247.

Media Contact

Glenys Verhulst

Oil to Heat Pump Incentive Program Manager

info@oiltoheatpump.ca

1.877.545.6247

Background

- A heat pump system typically pays for itself in energy savings quickly and can deliver a return on investment of 20 - 39%.
- Cleanup costs from home heating oil spills typically range from \$65,000 to \$118,000, are the responsibility of the homeowner, and are generally not covered by home insurance.
- Heating oil spills can be environmentally damaging. Oil can contaminate soil and water; harm or kill fish, pets, and other animals; and pollute air in the neighbourhood.
- Heat pumps provide comfortable, clean, and affordable heating and cooling year round.

The Oil to Heat Pump Incentive Program is funded by the Ministry of Energy and Mines' Innovative Clean Energy (ICE) Fund, designed to support the B.C. government's energy, economic, environmental, and greenhouse gas reduction priorities and advance B.C.'s clean energy sector. This program is administered by City Green Solutions.

www.oiltoheatpump.ca