

AGENDA ENVIRONMENT COMMITTEE

Wednesday, November 20, 2019, 5:00 P.M. - 7:00 P.M. Board Room, Service and Resource Centre, 411 Dunsmuir Street, Nanaimo, BC

Pages

- 1. CALL THE MEETING OF THE ENVIRONMENT COMMITTEE TO ORDER:
- 2. INTRODUCTION OF LATE ITEMS:
- 3. ADOPTION OF AGENDA:
- 4. ADOPTION OF MINUTES:

a. Minutes 1 - 3

Minutes of the Environment Committee Meeting held in the Boardroom, Service and Resource Centre, 411 Dunsmuir Street, Nanaimo, BC, on Tuesday, 2019-OCT-29 at 5:00 p.m.

- 5. PRESENTATIONS:
- 6. DELEGATIONS:
- 7. REPORTS:
 - a. 2020 Environment Committee Key Date Calendar

4 - 6

To be introduced by Sky Snelgrove, Deputy Corporate Officer, Legislative Services.

Purpose: To present for the Environment Committee's consideration the draft 2020 Key Date Calendar.

Recommendation: That the Environment Committee recommend that Council adopt the 2020 Environment Committee Key Date Calendar.

b. Overview of Climate Action and Environmental Management in the City of Nanaimo

To be introduced by Dale Lindsay, General Manager, Development Services.

Purpose: To provide the Environment Committee with an overview of environmental practices within the City of Nanaimo.

Presentation:

1. Rob Lawrance, Environmental Planner.

Recommendation: That the Environment Committee receive the report and presentation titled "Overview of Climate Action and Environmental Management in the City of Nanaimo" dated 2019-NOV-20, for information.

c. Discussion Regarding Implementing the City's Climate Emergency Declaration

To be introduced by Dale Lindsay, General Manager, Development Services.

- 8. OTHER BUSINESS:
- 9. QUESTION PERIOD:
- 10. ADJOURNMENT:

MINUTES

ENVIRONMENT COMMITTEE MEETING BOARD ROOM, SERVICE AND RESOURCE CENTRE 411 DUNSMUIR STREET, NANAIMO, BC TUESDAY, 2019-OCT-29, AT 5:00 P.M.

Present: Councillor B. Geselbracht (Chair)

Councillor T. Brown

E. Boulanger (arrived 5:21 p.m.)

D. Chen

H. DesRoches

L. Frey

J. Lesemann L. McCunn W. Wells

Staff: J. Rudolph, Chief Administrative Officer

R. J. Harding, General Manager, Parks, Recreation and Culture

D. Lindsay, General Manager, Development Services

B. Sims, General Manager, Engineering and Public Works (vacated

6:07 p.m.)

S. Gurrie, Director, Legislative Services

S. Snelgrove, Deputy Corporate Officer (vacated 5:31 p.m.)

K. Gerard, Recording Secretary

1. CALL THE ENVIRONMENT COMMITTEE MEETING TO ORDER:

The Environment Committee Meeting was called to order at 5:03 p.m.

2. ADOPTION OF AGENDA:

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

3. REPORTS:

(a) Introductions

Councillor Geselbracht and Councillor Brown introduced themselves and stated their interest in the Environment Committee and their goals for the committee.

- 1. Environment Committee members introduced themselves and stated their interest and goals for the Environment Committee.
- E. Boulanger entered the Boardroom at 5:21 p.m.

2. City of Nanaimo Staff introduced themselves and explained their role regarding the Environment Committee, their background and work in relation to the environment, sustainability and initiatives each departments has taken to protect the natural areas and climate change.

(b) Meeting Procedures

Introduced by Sheila Gurrie, Director, Legislative Services.

Sky Snelgrove, Deputy Corporate Officer, provided the Environment Committee with a presentation regarding:

- Committee operating guidelines including roles of Committee members
- Council Procedure Bylaw 2018 No. 7272
- Committee proceedings
- Meeting basics including agenda printing timeline and guorum
- Presentations and delegations
- Motions and Minutes
- Notice of Motion procedures and closed meetings
- Question Period

S. Snelgrove vacated the Boardroom at 5:31 p.m.

(c) Terms of Reference

Dale Lindsay, General Manager, Development Services, provided committee members with an overview of the Terms of Reference, which included the following information:

- Bylaws and policies that will be brought forward to the committee by different departments, such as building code policies
- Capital and pilot projects to promote energy efficiency and environmental sustainability will be reviewed by the committee for input and recommendations to Council such as the Transportation Master Plan, BC Energy Step Code and the Complete Streets initiative

(d) Next Meeting Date

Introduced by Sheila Gurrie, Director, Legislative Services.

It was moved and seconded that the next Environment Committee Meeting will be held on Wednesday, 2019-NOV-20, 5:00 p.m. to 7:00 p.m. in the Boardroom, Service and Resource Centre, 411 Dunsmuir Street, Nanaimo, BC. The motion carried unanimously.

(e) Future Meeting Items

Introduced by Dale Lindsay, General Manager, Development Services.

- Nov 20th Environmental Projects/Programs Orientation
- Update on Active Transportation Masterplan and Complete Streets program
- Climate Resiliency Strategy
- Global Covenant of Mayors for Climate and Energy

Committee discussion took place regarding:

- Cycle of recycling materials: from pick up to drop off
- Discuss creating a "one-stop shop" regarding green initiatives, resources and groups in Nanaimo working toward environment sustainability and protection of natural areas
- Creating a environmental expo or fair where developers, environmental groups, youth and others will be brought together with awards given out for green initiatives in the community
- Communicating with Snuneymuxw First Nations
- Creating a webpage or communication strategy to showcase what the City is doing regarding environmental sustainability and future initiatives
- Creating a survey for residents regarding environmental issues
- Where can community members and residents go to see what is being done and how to join environmental resources/groups
- Promoting active transportation and creating an active transportation route map for all of Nanaimo
- B. Sims vacated the Boardroom at 6:07 p.m.
 - Invite other environmental groups to the Environment Committee meetings
 - Short and long term goals and initiatives for climate change
 - Create relationship with School District 68 and engage youth and school councils in green initiatives within the schools
 - Research and communicate with other municipalities regarding green initiatives
 - Look into encouraging strata type residential units to implement an organics recycling program

4. ADJOURNMENT:

It was moved	and	seconded	at	6:21	p.m.	that	the	meeting	terminate.	The r	notior
carried unanimously.											

CHAIR		
CERTIFIED CORRECT:		
CORPORATE OFFICER		



Staff Report for Decision

File Number: 0540

DATE OF MEETING NOVEMBER 20, 2019

AUTHORED BY KELLY GERARD, STENO, LEGISLATIVE SERVICES

SUBJECT 2020 ENVIRONMENT COMMITTEE KEY DATE CALENDAR

OVERVIEW

Purpose of Report

To present for the Environment Committee's consideration the draft 2020 Key Date Calendar.

Recommendation

That the Environment Committee recommend that Council adopt the 2020 Environment Committee Key Date Calendar.

BACKGROUND

Prior to December 31st of each year, a key date calendar for the upcoming year is prepared for each Council, committee or task force. Environment Committee (the committee) meetings are held every 2 months on Wednesdays and run from 5:00 p.m. to 7:00 p.m. Meetings are held in the Service and Resource Centre, Boardroom. Depending on content and the availability of speakers, the start time of a meeting may be changed; however, if changed a notice will be provided.

DISCUSSION

Staff have prepared the attached key date calendar (Attachment A) for the committee's consideration. The draft Environment Committee key date calendar has been prepared in accordance with the committee's Terms of Reference.

Recent amendments to the "Council Procedure Bylaw 2018 No. 7272" include a clause that no Regular Council Meetings will be held in August to allow for a summer break. Environment Committee Meetings have not been scheduled in August in order to align with this schedule; however, special meetings may still be held, if required.

OPTIONS.

- 1. That the Environment Committee recommend that Council adopt the 2020 Environment Committee Key Date Calendar.
 - The advantages of this option: If adopted the key date calendar would provide meetings dates for 2020 and Staff can begin preparing for these meetings.
 - The disadvantages of this option: None identified at this time.



- 2. That the Environment Committee provide alternate direction regarding the 2020 Key Date Calendar.
 - The advantages of this option: The Environment Committee could adjust the schedule as needed.
 - The disadvantages of this option: Delays in adopting the Environment Committee Key Date Calendar would delay meetings if not adopted before December 31st.

SUMMARY POINTS

- Environment Committee meetings are held every 2 months on Wednesdays from 5:00 p.m. to 7:00 p.m. in the Service and Resource Centre Boardroom.
- No committee meetings are scheduled in August to align with "Council Procedure Bylaw 2018 No. 7272"
- Council, Committee and Task Force key date calendars need to be adopted by December 31st each year to avoid meeting delays.

ATTACHMENTS:

Attachment A – 2020 Environment Committee Key Date Calendar.

Submitted by:

Sheila Gurrie Director, Legislative Services

City of Nanaimo

ENVIRONMENT COMMITTEE KEY DATE CALENDAR – 2020

The Environment Committee meetings are held in the Boardroom, Service and Resource Centre, 411 Dunsmuir Street, unless otherwise stated.

Committee	Start Time	End Time	Day of the Month
Environment Committee	5:00 p.m.	7:00 p.m.	Select Wednesdays, every two months

New Years Day Environment Committee
Environment Committee
Environment Committee Victoria Day
. Canada Day . Environment Committee
. Labour Day
Environment Committee
. Remembrance Day
Environment Committee
. Environment Committee
. Christmas Day

Updated: 2019-OCT-18

Approved:



Information Report

File Number: A4-1-2

DATE OF MEETING NOVEMBER 20, 2019

AUTHORED BY ROB LAWRANCE, ENVIRONMENTAL PLANNER

SUBJECT OVERVIEW OF CLIMATE ACTION AND ENVIRONMENTAL

MANAGEMENT IN THE CITY OF NANAIMO

OVERVIEW

Purpose of Report:

To provide the Environment Committee with an overview of environmental practices within the City of Nanaimo.

That the Environment Committee receive the report and presentation titled "Overview of Climate Action and Environmental Management in the City of Nanaimo" dated 2019-NOV-20, for information.

BACKGROUND

At the Council Meeting held 2019-APR-29, Council passed a motion officially declaring a climate emergency "for the purpose of identifying and deepening our commitment to protecting our economy, our ecosystems, and our community from Global Warming." On May 13th, the Governance and Priorities Committees received a staff presentation on the City's climate and environmental programs and projects.

DISCUSSION

Declaring a climate emergency will challenge the City to do more to support the community to lower Greenhouse gas emissions (GHG) and prepare for a changing climate. Council identified four actions in support of the motion that include updating the City's Community Sustainability Action Plan and revising the City's GHG reduction targets to reflect the target goals identified in the latest Intergovernmental Panel on Climate Change (IPCC) report.

To provide better context for the Environment Committee members, it is important to understand the range of environmental management practices currently employed across the organization. There are several programs underway incorporating environmental policies addressing several different areas that have both direct and indirect impacts on the City's response to our climate emergency declaration. Some of these practices include:

- Solid waste and recycling
- Water conservation
- Rainwater management
- Transportation
- Building and vehicle energy efficiency

- Urban forestry
- Environmental bylaw compliance
- Environmental and climate action policy development
- Ecological restoration and stewardship



Information Report

File Number: A4-1-2

Staff engage with a broad spectrum of projects, often in partnership with other governments, community groups and consultants.

Climate Action

The City of Nanaimo efforts on Climate Action has been multi-faceted. Corporately, the City has focussed on improving energy efficiency of its buildings, infrastructure and green fleet vehicles. On the community side, focus has been on improvements to transportation through the Complete Streets program, allowing for greater mobility choice throughout the City. Ongoing education and financial incentives have been available to encourage more home energy retrofits, since 2012.

The attached presentation (Attachment A), is intended to provide a high-level overview of current Climate Action and Environmental Management policies and processes in the City of Nanaimo in order to provide the Committee with an overview of the City's various Climate Action and environmental management initiatives.

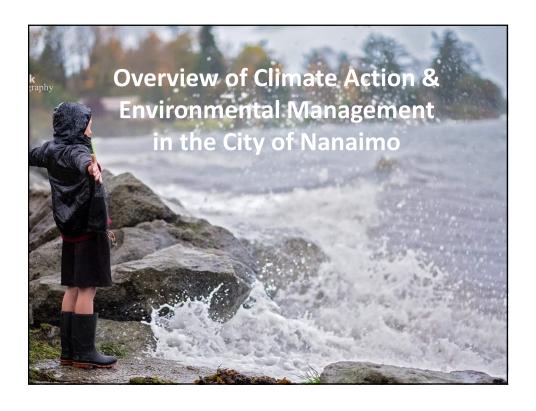
SUMMARY POINTS

- The City of Nanaimo environmental policies and programs are being implemented across the organization.
- Environmental practice in the City includes solid waste and recycling, water conservation, rainwater management, transportation, building and vehicle energy efficiency, urban forestry, and ecological restoration and stewardship.
- Declaring a climate emergency will challenge the City to do more to support the community to lower GHG and prepare for a changing climate.

ATTACHMENTS

ATTACHMENT A: Presentation Slides on Environmental Roles and responsibilities

Submitted by:	Concurrence by:
Rob Lawrance	Jeremy Holm
Environmental Planner	Director, Development Approvals
	Dale Lindsay
	General Manager, Development Services



Overview of Session

- Legislative Framework
- Environmental Management
- Storm Water Management
- Operations
- Environmental Stewardship & Community Involvement
- Climate Change
- Conclusion



Legislative Framework

Federal & Provincial Legislation

Federal Legislation

- Fisheries Act
- Species at Risk Act

Provincial Legislation

- Wildlife Act
- Riparian Areas Regulation Act
- Water Sustainability Act
- Contaminated Site Regulation







Legislative Framework

Plans / Bylaws / Policies

Regional District

Regional Growth Strategy

City of Nanaimo

- Strategic Plan
- Official Community Plan
- Water Conservation Strategy
- Water Supply Strategic Plan
- Parks Master Plan
- Transportation Master Plan
- · Neighbourhood Plans



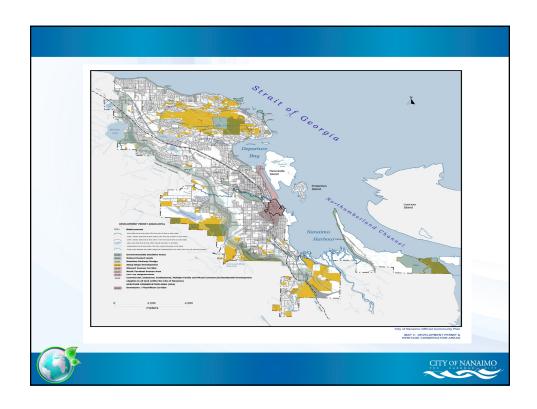
Bylaws

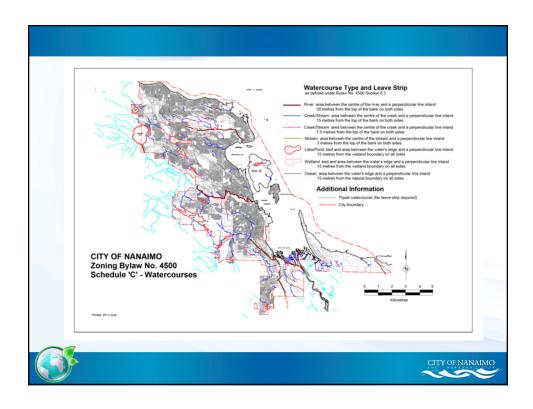
- Zoning Bylaw 4500
- Tree Management and Protection Bylaw No. 7126
- Pesticide Use Bylaw No. 7102
- Regional Emissions Reduction Reserve Fund Bylaw No. 7184
- Soil Removal and Depositing Bylaw 1976 No. 1747

Council Policy

- Energy Conservation and Management Policy
- Purchasing Policy
- · Green Building Strategy
- Anti-Idling Policy







Environmental Management

Watercourses

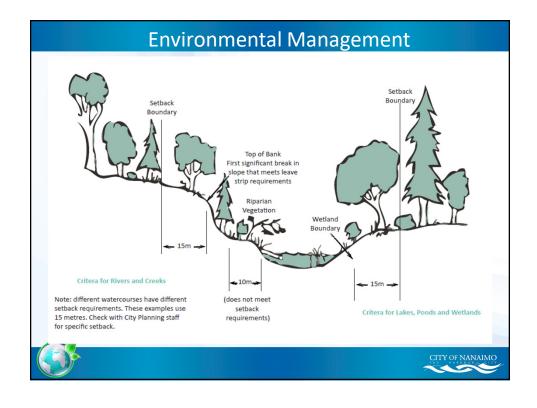
Zoning Bylaw 4500 – Watercourses – Schedule C

- 15m or 30m setback from top of bank of a stream
- 15m setback from wetland boundary of a lake or wetland
- Variances through DPA









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Environmental Management

Riparian Areas Protection Regulation (RAPR)

- Provincial regulation from the Riparian Area Protection Act
- · For the protection of fish and fish habitat only
- Streamside Protection and Enhancement Area (SPEA) measured from high water mark
- SPEA is the minimum protection to avoid HADD under Fisheries Act





Environmental Management Environmentally Sensitive DPA

- · Non-fish bearing watercourses and wetlands
- Terrestrial herbaceous
- Older forest
- SARA (critical habitat protection) and Red/Yellow listed species



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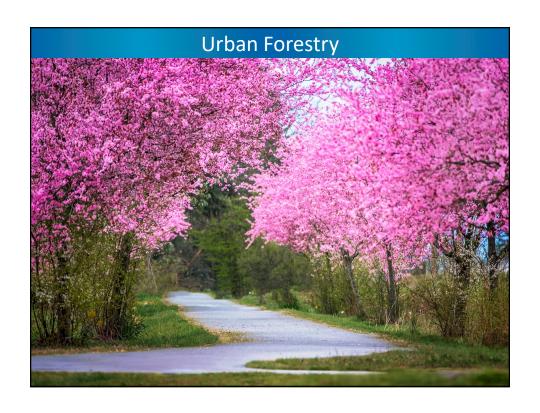
Environmental Management Environmentally Sensitive DPA

Process

- Development application
- Request environmental assessment be completed by Qualified Environmental Professional (RPBio)
- Assessment review by staff
- ESA protection through DP conditions







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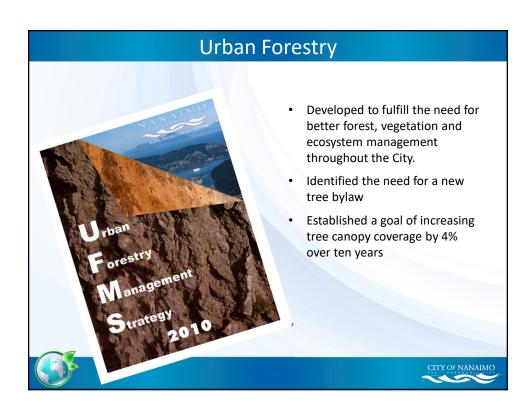
Urban Forestry

Benefits of a well-functioning Urban Forest

- Environmental
 - Sequester Carbon
 - Mitigate Flooding
 - Improve water quality
- Social
 - Create sense of place
 - Mental and Physical Health
 - Food Security
- Economic
 - Natural Asset
 - Extends life of Infrastructure
 - Reduce heating and cooling costs







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Urban Forestry

Bylaw No. 7126 Management & Protection of Trees within the City of Nanaimo



- Adopted in 2013
- A home owner is allowed to remove up to 4 non "protected" trees in a calendar year without a permit.
- If a permit is required, replacement trees must be replanted.
- If a parcel of land being developed is over
 0.5ha is size, 20% of the trees onsite must be retained

It takes many years for a tree planted today to provide the same environmental benefits as retaining a mature tree.







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Urban Forestry

Shaw Tree Planting Grant

- Administered through Tree Canada, Shaw provided \$3000.00 for materials and 30 volunteers.
- 250 trees and shrubs planted.
- Reforested the top of the bank along the Millstone.







Stormwater Management

Overview of Policies and Guidelines

- OCP
- Stormwater Management in Nanaimo Guidelines
- Steep Slope Development Guidelines
- Stormwater Planning Guidebook
- ISMP's (Wexford & Walley)
- MoESS Section 7









Stormwater Management

Project Highlights Greenrock Industrial Subdivision







Stormwater Management

Adoption of MoESS Section 7

November, 2016

- Capture, retain, infiltrate or reuse 6-Month, 24-hour rainfall (31mm +/-)
- Detain for areas that discharge into watercourses to minimize erosion
- Treatment to remove 90% of suspended particles
- Account for climate change





Stormwater Management

Ongoing Collaboration & Implementation

- Continuing to refine development requirements
- Collaboration with Parks & Recreation and E&PW to identify opportunities
- Review and recommend bylaw amendments to Council





Sanitation Services

- Service Levels
- Regulatory Framework
- Looking Forward







Sanitation Services

Looking Forward

- New programs included in the RDN Solid Waste Management Plan
- What's in the garbage? waste composition study
- Promote use of the NanaimoRecycles
 App as a primary information source for residents
- Improve collection efficiency through routing optimization
- Continue citizen engagement education through hiring of Zero Waste Coordinator
- Monitor safety outcomes associated with automation implementation
- Plan for new resources as the City grows







Nanaimo's Fleet

Fleet Services repairs and maintains over 400 vehicles and equipment

Compact cars to fire rescue equipment







Initiatives to Date

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Alternative fuel vehicles

- 4 Hybrid
- 21 Propane / CNG pickup trucks
- 9 CNG garbage truck fleet
- 5 fully electric cars
- 5 fully electric ice resurfacing machines





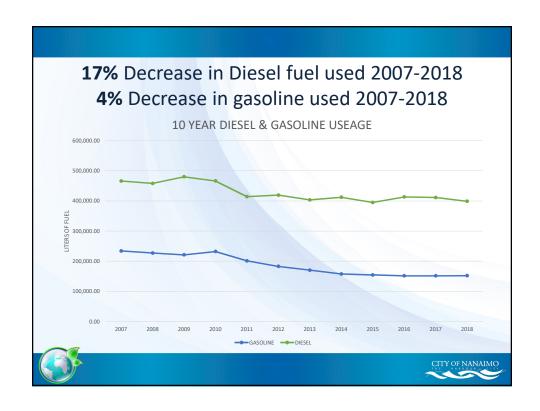




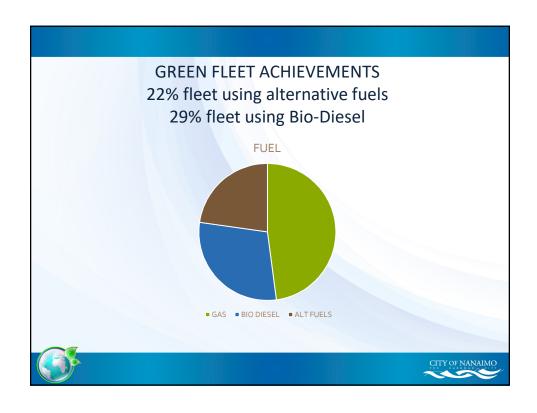
Initiatives to Date

- Installed automated fuel management system
- Implemented a preventive maintenance system
- Adopted a corporate anti-idling policy in 2007
- Implemented a pool car program in 2008
- Adopted bio-diesel 5 blend in 2009





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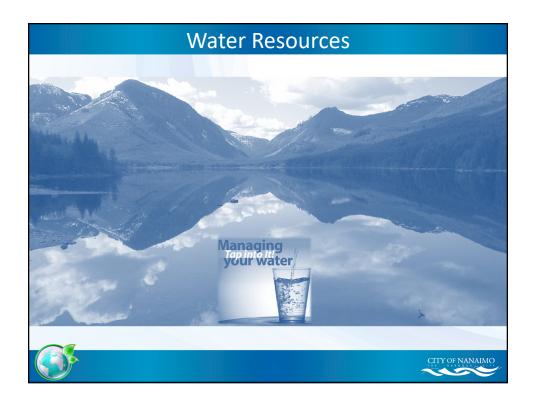


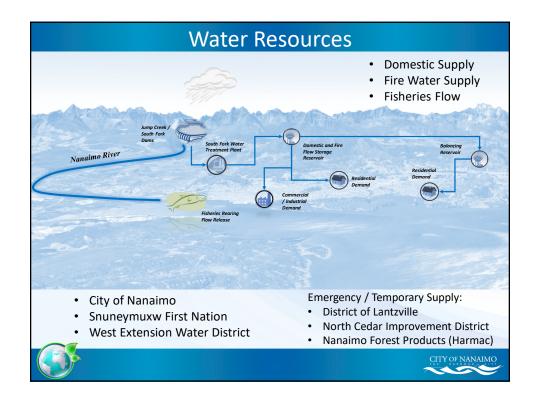
Current Initiatives

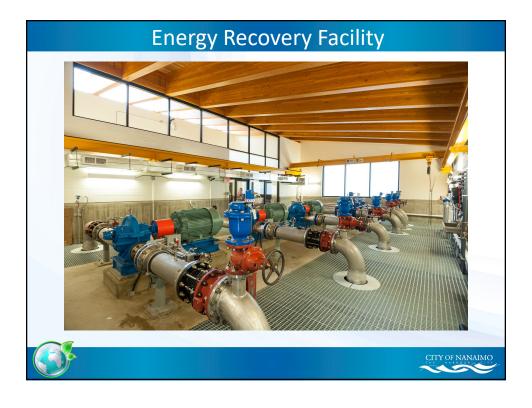
- Partnering with neighbouring municipalities to share best practices
- · Right-sizing vehicles at time of purchase
- Annually evaluating the preventative maintenance program
- Provide fuel consumption reports to departments
- Assessing 10 year purchase of vehicles for potential alternative fuel vehicles
- Currently developing a Corporate Green Fleet Strategy

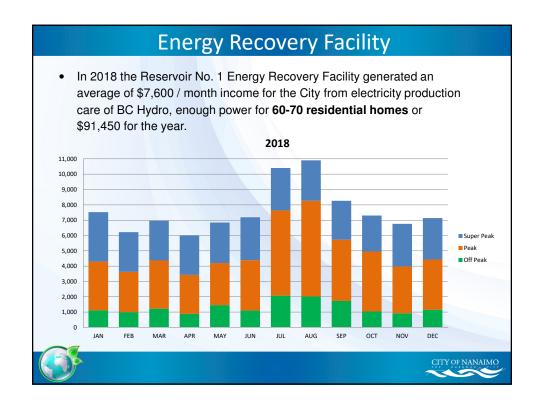


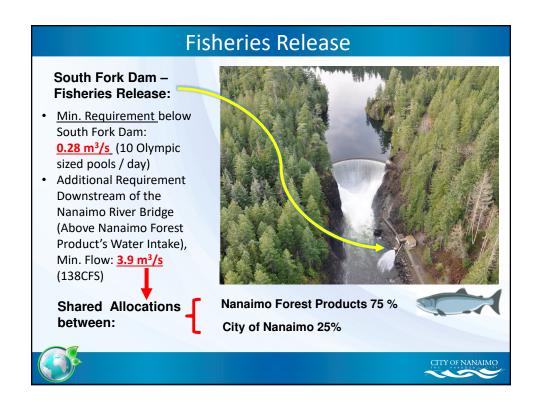
Future Goals • Preparation of formal Fleet Strategy for Council • Joining the E3 Fleet challenge program • Complete a Corporate Green Fleet Strategy with data provided from E3 Fleet review











Water Conservation

How do we manage and encourage efficient water use?

- Universal Water Metering (since 1983)
- Tired Billing Rate (more water use = more you pay)
- Full-cost pricing (since 1992)
- Water Audits
- · Regulation of permitted uses and summer watering restrictions
- Annual user rate increases to ensure funding sustainable for major capital and ongoing operations (2007)
- Low-Flow Toilet Rebate Program / BC Hydro Rebates (since 2009)
- Computerized water system monitoring and operation (SCADA)
- 2008 Water Conservation Strategy (updated 2014)
- · Instrumentation: Rainfall / Snow / River Flows
- RDN & Team WaterSmart partnership





Managing

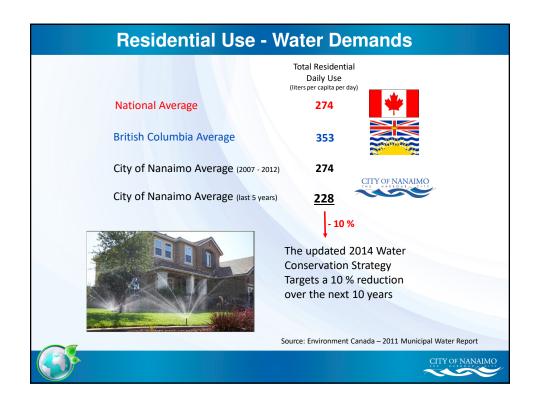
your water

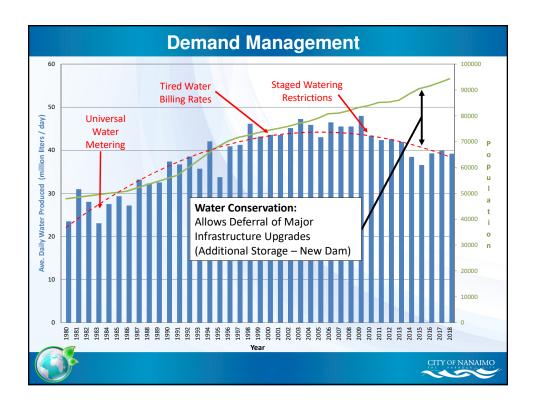
Water Conservation

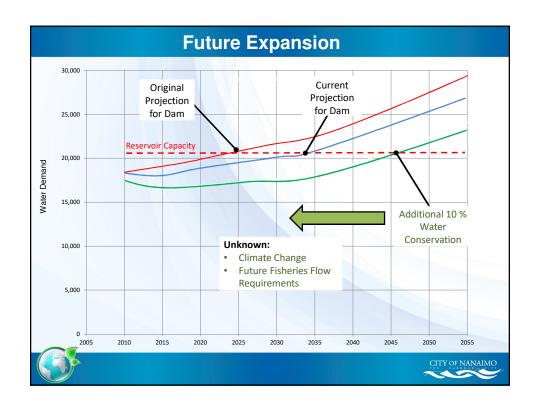
Public Education

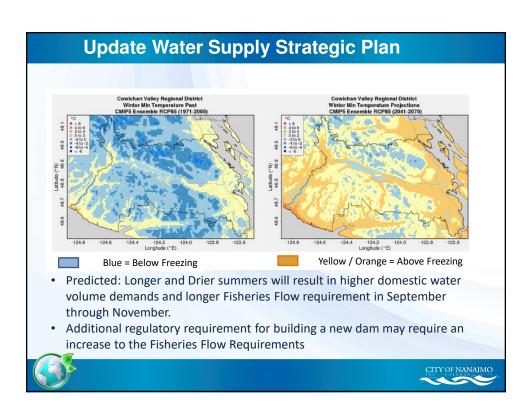
- Partnering with the Regional District of Nanaimo Team WaterSmart program includes a Water-Wise Education component.
- School presentation tours in conjunction with Forestry companies





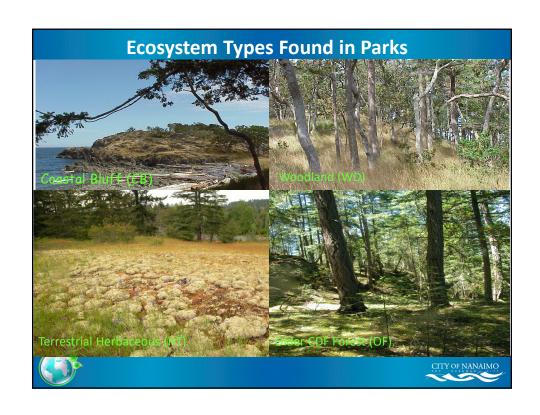


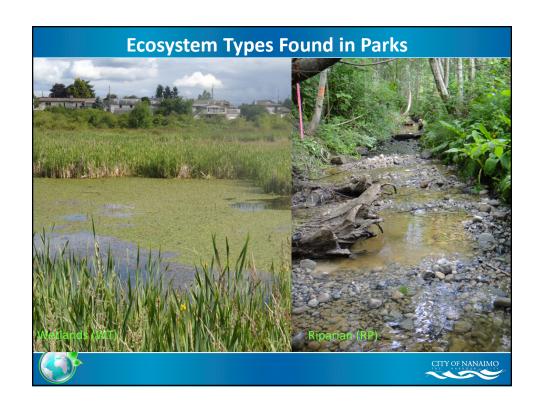






Parks Op	erations	
Parkland i		
Owner	Hectares	
City of Nanaimo	1079	
Province	317	
Nature Trust of BC	133	
Other	188	
Total	1717	
City Parkla		
Zone	Hectares	
PRC - 1	753.75	
PRC - 2	192.73	
PRC - 3	132.30	
		CITY OF NANAIMO







Parks Operations Restoration Projects in Parks Vancouver Island Beggarticks SARA listed species S9 sites in BC/ Washington Funding awarded through Environment and Climate Change Canada Reintroduced to Jingle Pot (Third Street) Marsh Only site in Nanaimo 165 plants observed

Restoration Projects in Parks

Bowen Park Side Channel

- In 2007, a major fish bypass channel was constructed from Deadman Falls upstream to a point above major fish barriers
- Side channel is 857 m long and contains significant fish habitat
- Ongoing partnership with Fisheries and Oceans and Vancouver Island University







Parks Operations

Restoration Projects in Parks

Knotweed / Hogweed Control

- Contract with Invasive Species
 Committee since 2015
- Education and Awareness
 - Coordinated between CISC and City
- Field Program (Sites Treated)
 - 140 Knotweed Sites
 - 7 Giant Hogweed Sites
- Data collected and posted to provincial database (IAPP)







Conservation Partnerships

Buttertubs Marsh Conservation Area

- 55 Ha wetland complex currently co-managed by the Nature Trust of BC, Ducks Unlimited and the City of Nanaimo
- Ongoing environmental research and training by VIU in the West Marsh of Buttertubs
- Conservation Area Management Plan adopted by Council in 2016





Parks Operations

Municipal Natural Capital Initiative: Buttertubs Marsh Pilot Study

Buttertubs Marsh Conservation Area is a 55 HA reclaimed wetland/floodplain

Site and natural assets: Entire marsh under consideration including adjacent forest.

Emerging project model: Determine role marsh plays in mitigating localized flooding and increasing storm events; determine value of the Marsh in attenuating downstream flooding on the Millstone.

Possible outcome: developing an marsh restoration and maintenance plan built around an asset management approach.









CITY OF NANAIMO

Community Outreach Partners In Parks Program (PIP)

- The Volunteers in the Park Program (VIP) was initiated by the City in 1982
- Since then it has been renamed Partners in Parks Program (PIP) and grown to include:
 - Neighbourhood Playground Development
 - Community Gardens
 - · Park Beautification and Tree Planting
 - Gatekeepers & Park Naturalists
 - Public Art
 - Invasive Plant Removal Work parties
 - Park Ambassadors
 - Adopt-A-Park Program
 - Eco Club/School Group Ecological Stewardship Projects (invasive plant removal, restoration, monitoring)





Parks Operations

Broom Busters Partnership (2014 – 2019)

- 60 Volunteers involved in cutting flowering broom
- City coordinates broom chipping and disposal at the end of the season
- Broom cut on:
 - 33 City Parks
 - Over 50 sections of City road right of way
 - 8 Elementary Schools
 - 18 Commercial Properties







Student Ecological Stewardship Program

Examples of Student Ecological Stewardship Projects:

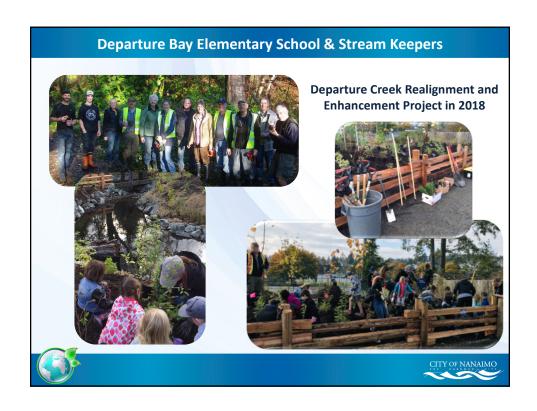
- Plant Identification native and invasive
- Plant Mapping (Barefoot Mapping)
- Invasive Plant Removal
- Restoration replanting & watering of new native plants
- Student Partnerships with NS3 and the Great Shoreline Clean Up Initiative ie. Trash to Treasures
- Involvement in the Adopt-a-Park Program ongoing stewardship in one particular park

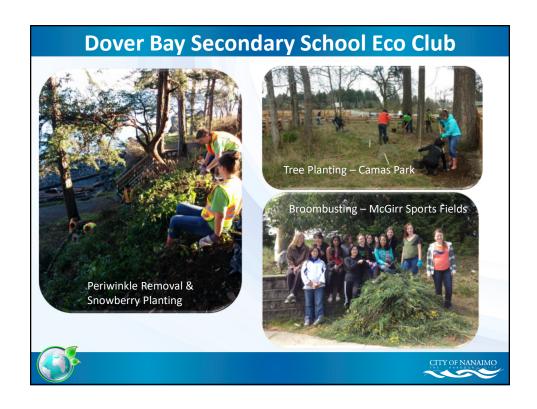






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Climate Action in Nanaimo

- Corporate Energy and Emissions Management
- 2. Community Energy and Emissions Management
- 3. Climate Resiliency Strategy
- 4. Climate Emergency Declaration
 - 1. Next steps and group discussion





Climate Action Update

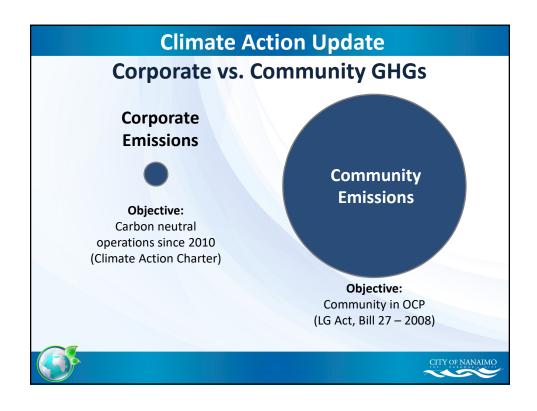
Policy Development

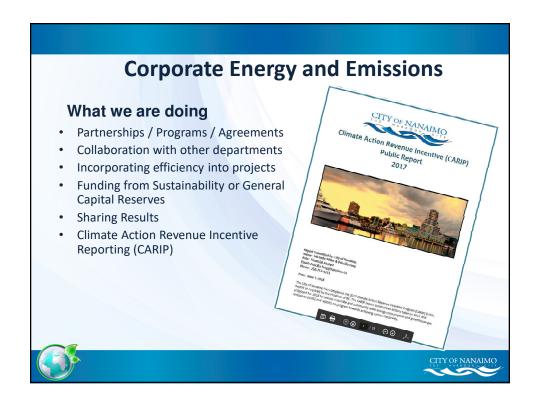
- Corporate Climate Action Plan (2007)
- Community Sustainability Action Plan (2012)
 - Energy Conservation and Management Policy
 - Purchasing Policy Green Purchasing
 - ➤ Green Building Strategy
 - ➤ Anti-Idling Policy





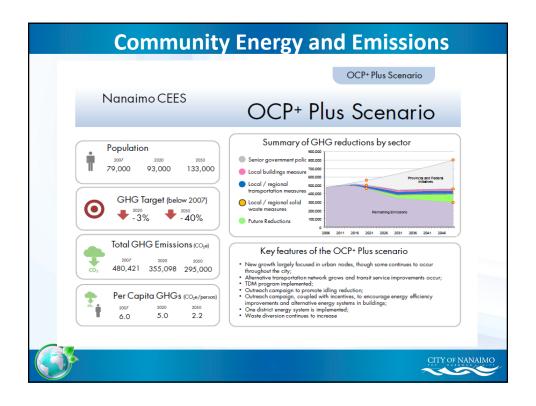
CITY OF NANAIMO





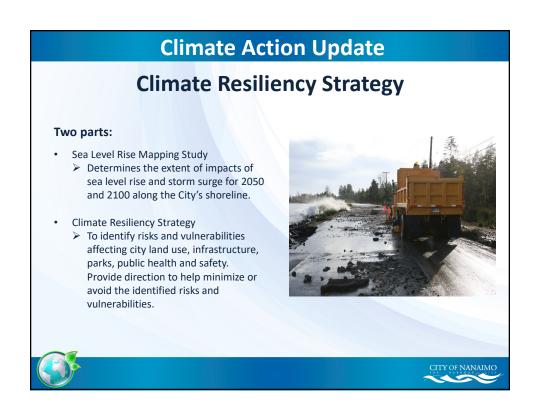
Corporate Energy and Emissions How are we doing? Targets, monitoring, reporting Low-hanging fruit Program Changes Conservation Low Carbon Electrification Towns are we doing? Reduced emissions by 42% Received \$1.93M in incentives Annual Energy & Cost Savings \$ 1.1M Towns are we doing? Reduced emissions by 42% Received \$1.93M in incentives Annual Energy & Cost Savings \$ 1.1M Towns are we doing? Reduced emissions by 42% Received \$1.93M in incentives Annual Energy & Cost Savings \$ 1.1M Towns are we doing? Reduced emissions by 42% Received \$1.93M in incentives Annual Energy & Cost Savings \$ 1.1M Towns are we doing?

Corporate Energy and Emissions Plans moving forward Update: > Energy Conservation and Management Policy > 2007 Corporate Climate Change Plan (Energy and Emissions Mgt.) Continue to develop: > Low Carbon Electrification – Feasibility and benefits of Retrofits and New Construction Projects > Fleet Electrification – BC Hydro Study Funding – Charging infrastructure and vehicle options > Explore and implement new technologies and alternative energy options





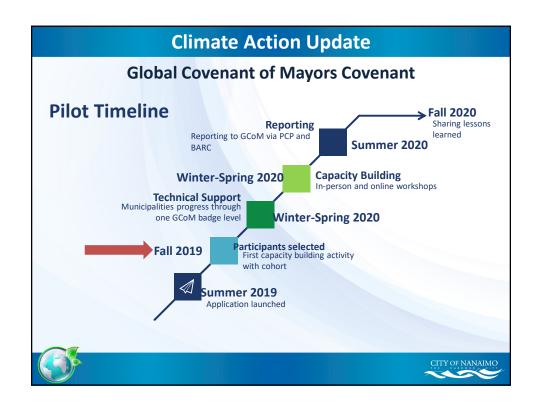


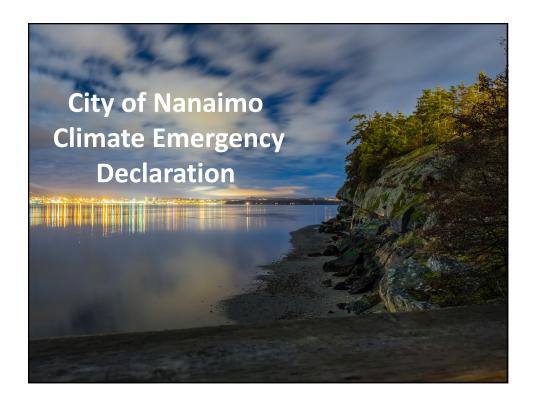


Climate Action Update Global Covenant of Mayors Covenant The Global Covenant of Mayors Canada is a collaboration between the Federation of Canadian Municipalities, ICLEI Canada, the Global Covenant of Mayors Secretariat and the International Urban Cooperation Project supported by funding from the European Union. The initiative combines two leading domestic climate programs, the Partners for Climate Protection (PCP) program and Building Adaptive and Resilient Communities (BARC), with the leading global climate program. Together we can further advance Canadian local climate action by adding value, opportunities and streamlined support for members. CLIMATE & ENERGY CLIMATE & ENERGY CITYOF NANAIMO CITYOF NANAIMO



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City of Nanaimo Climate Emergency Declaration

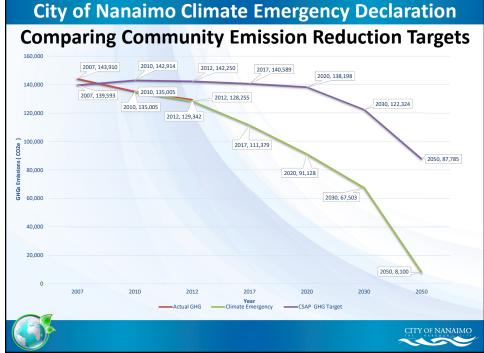


On April 29th, 2019 Council declared a Climate Emergency with the following actions:

- The Regional Emissions Reduction Reserve be moved to a new reserve fund for the purpose of supporting projects, plans and initiatives that reduce the City of Nanaimo's community wide CO² emissions to between 50% to 58% below 2010 levels by 2030, and between 94% and 107% below 2010 levels by 2050.
- The framework, strategies, actions, and implementation of the City of Nanaimo Community Sustainability Action Plan be updated to reflect the target goal, based on the information contained in the latest Intergovernmental Panel on Climate Change report.







Making Choices on Further Action		
Policy Tool	Potential Impact	Description
Education and Outreach	Low ~ 0 – 10% uptake	 Low effort, low cost, low result BUT foundations for other actions (Still necessary!)
Non-financial incentives	Low to Medium ~ 10 to 50% uptake	Infrastructure / amenities to encourage action
Financial Incentives	Medium ~ 50 to 75% uptake	Rebates, pricing, tax incentivesHigher cost, higher impact
Regulation	High ~ 75 to 100% uptake	 Requirements that are often enforced (i.e. Bylaws) High impact