

AGENDA

COMMITTEE OF THE WHOLE

Monday, July 8, 2013

7:00 p.m.

Council Chambers, Municipal Hall

355 West Queens Road,

North Vancouver, BC

Council Members:

Mayor Richard Walton

Councillor Roger Bassam

Councillor Robin Hicks

Councillor Mike Little

Councillor Doug MacKay-Dunn

Councillor Lisa Muri

Councillor Alan Nixon



NORTH VANCOUVER
DISTRICT

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COMMITTEE OF THE WHOLE

7:00 p.m.
Monday, July 8, 2013
Council Chambers, Municipal Hall,
355 West Queens Road, North Vancouver

AGENDA

1. ADOPTION OF THE AGENDA

1.1. July 8, 2013 Committee of the Whole Agenda

Recommendation:

THAT the agenda for the July 8, 2013 Committee of the Whole be adopted as circulated, including the addition of any items listed in the agenda addendum.

2. ADOPTION OF MINUTES

3. REPORTS FROM COUNCIL OR STAFF

3.1. North Shore Food Charter File No. 10.6440.01/000.000

p. 7 - 14

Recommendation:

THAT it be recommended to Council:

THAT Council approve, in principle, the draft Food Charter and convey the Committee's feedback to the Table Matters Working Group.

3.2. North Shore Congress File No. 10.4788.01/000.000

p. 15 - 19

Recommendation:

THAT it be recommended to Council:

THAT the District host the next North Shore Congress in the Fall of 2013.

AND THAT the agenda for the Congress reflect the input of the Committee of the Whole's July 8, 2013 meeting.

3.3. Climate Action Revenue Incentive Program (CARIP) Final Report 2012 File No. 13.6770.20/016.000

p. 21 - 49

Recommendation:

THAT it be recommended to Council:

THAT Council receive the Climate Action Revenue Incentive Program 2012 Final Report for information.

4. PUBLIC INPUT

(maximum of ten minutes total)

5. RISE AND REPORT

Recommendation:

THAT the July 8, 2013 Committee of the Whole rise and report.

REPORTS

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AGENDA INFORMATION	
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<input type="checkbox"/> Finance & Audit	Date: _____
<input type="checkbox"/> Advisory Oversight	Date: _____
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The District of North Vancouver REPORT TO COMMITTEE

June 26, 2013
File: 10.6440.01/000.000

AUTHOR: Cristina Rucci, Social Planner

SUBJECT: North Shore Food Charter

RECOMMENDATION:

THAT the Committee of the Whole recommend to Council:

That Council endorse, in principle, the draft Food Charter as included as Attachment A, and convey the Committee's feedback to the Table Matters Working Group.

REASON FOR REPORT:

Over the last two years there has been a growing community interest and momentum around the establishment of a North Shore Food Charter. Work around the Charter began as an initiative of the Table Matters Working Group and has led to the development of a draft document that outlines the vision and input of over 200 North Shore residents. The draft Charter, which is supportive of the District's OCP policies, is attached for Council's review and consideration. The proposed Food Charter may also be discussed at the upcoming North Shore Congress in the Fall of 2013, so Council feedback is timely (*see staff report on this agenda to the Committee of the Whole entitled, "North Shore Congress," dated June 26, 2013*).

SUMMARY:

The draft North Shore Food Charter is an umbrella policy document that includes a vision statement and principles which capture values held by our community around food and its role in our society. The Charter will provide a strong framework for North Shore governments, agencies and stakeholders to guide innovative work and encourage cohesion around issues such as access to safe and healthy food and environmental responsibility that are important to the North Shore communities. The draft Charter is supportive of District OCP policies.

BACKGROUND:

On June 18, 2012, Ms. Heather Johnstone, on behalf of the North Shore Table Matters Reference Group, appeared as a delegation to Council. Ms. Johnstone requested that Council

consider endorsing the Group's request to prepare a Food Charter and to explore the possibility of establishing a Food Policy Council. Mayor and Council received the delegation with thanks to Ms. Johnstone.

The City of North Vancouver and the District of West Vancouver both endorsed the following motion on June 11th, 2012, and October 1st, 2012 respectively:

THAT staff be directed to participate in the development of the Food Policy Council and the Food Charter with the Districts of North Vancouver and West Vancouver and School Districts No. 44 and No. 45 and that the proposed Food Policy Council and Food Charter be brought back to Council for endorsement.

In the District of West Vancouver, Council members also requested that staff report back regarding staff time commitment relative to the proposed involvement.

Staff from all three municipalities, Vancouver Coastal Health, community partners, non-profit organizations and others provided input in the draft Food Charter.

EXISTING POLICY:

The following food related policies are included in the Official Community Plan (Bylaw 7900) under section 6.3:

12. Encourage sustainable, local food systems through initiatives such as promotion of healthy, local food production, and the facilitation of community gardens, farmers markets, urban agriculture initiatives in appropriate locations
13. Integrate opportunities for urban agriculture in planning Town and Village centres
14. Collaborate with Vancouver Coastal Health and other community partners in their efforts to provide increased access for all members of the community to safe, nutritious food
15. Develop a food policy that defines the District's vision and commitment to facilitating a food system that support long-term community and environmental health

Policies included in Schedule A of the OCP, also refers to the encouragement of community gardens and urban agriculture in each of the Town and Village Centres.

ANALYSIS:

District of North Vancouver residents have expressed a growing interest around food related issues such as community gardens and urban farming, the keeping of backyard chickens, bee-keeping, management of food waste and access to safe and healthy food.

The District has responded to this growing interest by including policies in the Official Community Plan as well as through participation in the Table Matters working group and the annual Table Matters networking event. Table Matters is a network of people interested in urban agriculture, food security and sustainable food systems on the North Shore. Members include representatives from the City of North Vancouver and the Districts of North and West Vancouver,

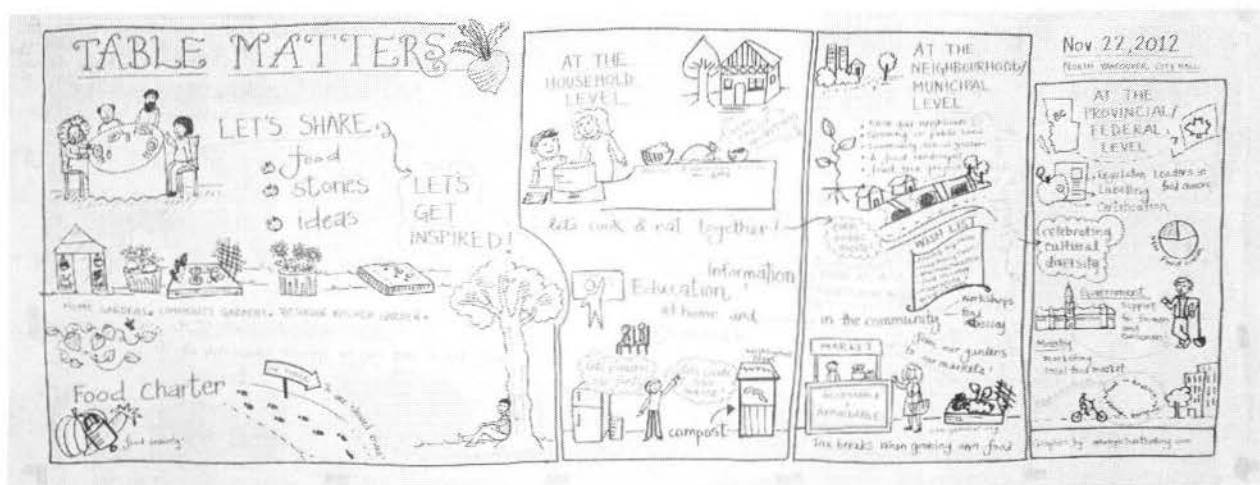
Vancouver Coastal Health, community social service providers such as the North Shore Neighbourhood House (Edible Garden Project), Salvation Army, Hollyburn Family Services and Canadian Diabetes as well as hundreds of interested citizens.

The focus of Table Matters over the past two years has been on the establishment of a North Shore Food Charter. A Food Charter is a high level policy tool that combines a vision statement, principles and broad action goals to help guide local food policy work and its implementation. Many municipalities across Canada have adopted such charters, including the cities of Vancouver and Toronto as well as smaller communities such as Cowichan and Kaslo. It is believed that by having a shared vision across North Shore municipalities, a strong framework will be established and efforts may be aligned to achieve community goals on food related matters. The North Shore Food Charter will be an innovative example of several municipalities coming together, in a collaborative effort, to support a healthy, sustainable local food system.

In creating a Food Charter, committee members felt that it was important to capture, to the extent possible, the thoughts and values of the community. To this end, the Table Matters event that was organized in November 2012 was advertised broadly in an effort to attract residents from a variety of cultures, incomes and from different stages of their life. The resulting event, which was held in the atrium of North Vancouver City Hall, was a great success. Approximately 200 residents from Bowen Island, Lions Bay, West Vancouver and North Vancouver attended the event and were able to share their stories and ideas. Through roundtable discussions, participants were asked to comment on three broad questions:

- What is important around food at the individual, household and family level?
- What is important around food at the neighbourhood or municipal level?
- What is important around food at the regional, provincial or federal level?

The input provided by the participants was synthesized, prioritized and clustered into themes which are broadly included in the draft Food Charter. Below is a graphic summary of some of the ideas that were generated at the event.



A draft Food Charter included as Attachment A, has been prepared by the Committee and includes a vision statement, and a set of 5 principles which were generated through the consultation process. The principles include:

1. **Health, Access and Equality** (speaks to the connection between health and the food we consume as well as ensuring that all residents have equal access to healthy nutritious food)
2. **Environmental Responsibility** (reflects the need to minimize the impact that food has on our environment)
3. **Government Leadership and Collaboration** (outlines the need for governments to collaborate with regional, provincial and national governments on issues that affect our community's food security)
4. **Economic Vitality** (recognizes that local food enterprises enhance our local economy and should be promoted and strengthened)
5. **Community Culture and Education** (establishes a connection between food and the creation of healthy, vibrant communities which brings people of all cultures, ages and incomes together)

The principles included in the Food Charter are supportive of related policies in the District's OCP. Moreover, the Charter provides a framework to further develop District-specific food policy as part of the OCP implementation (policy 6.3.15 of the OCP). Such policy may consider specific community interests over the last several years such as community gardens, urban farms, bee-keeping and the keeping of backyard hens as well as future issues like the banning of genetically modified foods and the diversion of food into the waste stream.

Concurrence:

The formal endorsement of a North Shore Food Charter may be the subject of the upcoming North Shore Congress meeting in the Fall of 2013. The Congress is a forum of elected and appointed North Shore public officials including local Governments, School Districts, First Nations, Health Authority, Members of the Legislative Assembly and Members of Parliament. The Congress provides a forum for discussion and co-operative action on multi-jurisdictional issues that influence the health, social well-being and sustainability of our citizens and communities as well as a milieu to explore opportunities to improve our communities.

Financial Impacts:

The endorsement of the North Shore Food Charter is not expected to have a financial impact on the District. The 'food' portfolio will continue to be a part of Social Planning's overall work plan (as part of OCP policy implementation) and will continue to be balanced with other priorities. The draft Food Charter is anticipated to assist in the development of a specific District of North Vancouver food policy.

Social Policy Implications:

The North Shore Food Charter encourages direction towards improving overall social well-being of the residents of the District of North Vancouver through access to healthy, local food. Specifically, the Charter envisions a community where all people are equally able to access the food that they need and where food and the cultures around food are celebrated.

Environmental Impact:

Environmental responsibility is a key principle of the Charter. It is recognized that there is a need to minimize our collective environmental footprint and the potential impacts associated with growing, transporting, purchasing and consuming food as well as managing food waste.

Public Input:

The most recent Table Matters annual event took place in the atrium of the City of North Vancouver on November 22, 2012. Notice of the forum was circulated widely through existing networks and posters were placed in strategic locations such as neighbourhood coffee shops, grocery stores, recreation centres and transportation hubs, such as the Seabus terminal. A great effort was made to attract youth, ethnic communities and families with low incomes. The event included music, poetry and dinner, prepared by the Salvation Army and which featured a selection of reclaimed food.

In total approximately 200 citizens across the North Shore (including Bowen Island, Lions Bay, the City of North Vancouver and the Districts of North and West Vancouver) attended the forum.

Conclusion:

The draft North Shore Food Charter, which is an "umbrella" document, was created by approximately 200 residents across the North Shore as well as service agencies, local government and non-profit organization representatives, all of whom are passionate about the impacts that food has on our environment, health, our economy and our culture. By endorsing in principle the draft Charter, the District of North Vancouver will help support a broader North Shore wide vision on food related matters and also help advance OCP policies in this area.

Respectfully submitted,

Cristina Rucci, MCIP, RPP
Social Planner

REVIEWED WITH:		
<input checked="" type="checkbox"/> Sustainable Community Dev. _____	<input type="checkbox"/> Clerk's Office _____	External Agencies:
<input type="checkbox"/> Development Services _____	<input type="checkbox"/> Communications _____	<input type="checkbox"/> Library Board _____
<input type="checkbox"/> Utilities _____	<input type="checkbox"/> Finance _____	<input type="checkbox"/> NS Health _____
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North Shore Food Charter

This Charter outlines a vision and principles around a food system for the North Shore. It articulates shared principles in our communities about food production, distribution, access, consumption, processing and waste.

Vision:

We envision a North Shore where:

- food is considered as a valuable resource at every stage of the food system
- all people are equally able to access food in a dignified manner that is nutritious, safe and personally acceptable
- our environment is valued and protected from negative impacts of our food system; and
- food and food cultures are celebrated.

Principles:

The North Shore Food Charter identifies five (5) principles generated through community consultation which capture the values held by our communities around the role of food. As signatories to this Food Charter we; citizens, community based organizations, local businesses and government bodies, commit to engaging in ongoing dialogue towards action based on the following principles:

1. Health, Access and Equality
2. Environmental Responsibility
3. Government Leadership and Collaboration
4. Economic Vitality
5. Community Culture and Education

1. Health, Access and Equality

Our health is vitally connected to the food that we consume. Healthy communities are built, in part, by ensuring that everyone has equal access to nutritious food that promotes and maintains health and prevents disease.

We will strive for food that is:

- Safe, whole, fresh and minimally processed and manipulated

- Of equally high quality in all neighborhoods
- Equally accessible and affordable to all, regardless of income
- Accessible with dignity in all neighborhoods

2. Environmental Responsibility

The “food system” comprises a complex set of stages from seed to plate and back to seed that has a tremendous impact on the environment. We have a responsibility to minimize this impact and to reduce our collective environmental footprint.

We strive to:

- Support practices that protect or enhance natural ecosystems (land and water) through all stages of the food system
- Reclaim, recycle and repurpose food
- Minimize the harmful effects of food production and consumption (including transportation, packaging, processing etc.) whenever possible

3. Government Leadership and Collaboration

Food security is an issue that crosses many jurisdictional boundaries and cannot be addressed by a single governing entity on its own. North Shore communities will collaborate with regional, provincial and national governments on issues that will affect our community’s food security.

We strive to:

- Share information with the public and with each other around food security initiatives; and support initiatives being pursued in other jurisdictions
- Advocate around issues regionally, provincially and nationally that will improve food security
- Consider and promote food security in the development of regulations and policies

4. Economic Vitality

Local food enterprises enhance the local economy. Every step of the food system from food production to processing, retail, preparation, consumption, composting and repurposing presents opportunities to strengthen the economy.

We strive to:

- Strengthen the local food sector’s growth and development
- Promote innovative and viable food-centered enterprises
- Create jobs in our community through supporting local food enterprises

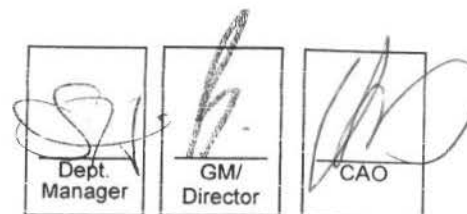
5. Community Culture and Education

Food brings people together and creates opportunities for people to share their food skills, traditions and knowledge contributing to a vibrant community.

We strive to:

- Promote the connection between food; and mental, physical and spiritual health
- Celebrate and support a culture around food
- Support information, education and training for children and adults that builds awareness, skills and capacity around food literacy

AGENDA INFORMATION	
<input checked="" type="checkbox"/> Committee of the Whole	Date: <u>JULY 8 - 2013</u>
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The District of North Vancouver REPORT TO COMMITTEE

June 26, 2013

File: 10.4788.01/000.000

AUTHOR: Cristina Rucci, Social Planner

SUBJECT: North Shore Congress

RECOMMENDATION:

THAT the Committee of the Whole recommend to Council:

1. THAT the District host the next North Shore Congress in the Fall of 2013; and
2. THAT the agenda for the Congress reflect the input of the Committee of the Whole's July 8, 2013 meeting.

REASON FOR REPORT:

The next North Shore Congress, which is a forum for elected and appointed North Shore public officials including local Governments, School Districts, First Nations, Health Authority, Members of the Legislative Assembly and Members of Parliament on health and social well-being matters, is scheduled to take place in the Fall of 2013. As the City of North Vancouver and District of West Vancouver have both recently hosted the event, it is suggested that it is now the District's turn to host this year's Congress and to provide leadership in setting the agenda. This report provides a range of potential agenda topics for Council's consideration.

SUMMARY:

Since its inception in October 2000, the North Shore Congress has had the opportunity to discuss and collaboratively work on a range of topics that influence the health, social well-being and sustainability of our citizens and communities. The focus of the committee over recent years has been substance abuse, homelessness, early childhood development, poverty and most recently the North Shore Child and Family Friendly Community Charter. As it is the District's opportunity to host the Congress this Fall, District Council may provide guidance on agenda topics which they feel are relevant to decision making bodies across the North Shore. Some potential topics which may be of interest to Council for the Congress include: North Shore Food Charter, Homelessness and Housing, Mental Health of Children and Youth, Spirit Trail (active living component), and Welcoming Action Committee.

Feedback is requested from the Committee of the Whole regarding hosting the North Shore Congress and with regard to preferred agenda topics.

Dr. Brian O'Connor, Medical Health Officer, will attend the July 15, 2013 Regular Meeting of Council to highlight the North Shore Congress as well as the important role the District and North Shore government leaders play in this initiative.

BACKGROUND:

The North Shore Congress was initiated in 2000 as a forum in which North Shore politicians and leaders could take part to discuss key issues affecting the health and well-being of the North Shore wide community (Terms of Reference is included as Schedule A). Because of the political geography of the North Shore with five municipalities, two school boards, two First Nations and a portion of a Health Services Delivery Area (HSDA) of Vancouver Coastal Health, there are limited opportunities for North Shore decision makers to come together to discuss issues of common interest that have an impact on the health (broadly defined) of the North Shore community and its residents which transcends political boundaries and so needed this venue for discussion.

Currently the Congress is the initiative of the three mayors (City of North Vancouver, District of North Vancouver, and District of West Vancouver) and attendance is by their invitation. Support for the Congress agenda and logistics is provided by the Medical Health Officer for the North Shore (VCH) and the planners for the respective municipalities.

ANALYSIS:

The following topics are presented below for Council's consideration for the agenda for the next North Shore Congress meeting. Council may have other suggested topics for the Congress. It is suggested that the agenda focus on 1-2 key agenda topics.

North Shore Food Charter

With growing interest in food related initiatives across the North Shore, over 200 North Shore residents gathered in November 2012 at a Table Matters Networking event to share their ideas and vision for a North Shore Food Charter. The resulting draft Charter is intended to be a high level umbrella document that includes a vision statement and a set of principles. Having a shared vision statement across North Shore Municipalities will provide a strong framework and encourage cohesion to support the innovative work happening now and in the future to address issues such as access to safe and healthy food and environmental responsibility. *(Please see the staff report included on the July 8th Committee of the Whole agenda titled "North Shore Food Charter," dated June 26, 2013 for further details.)*

Homelessness and Housing

While the topic of homelessness has been considered by the North Shore Congress in the past, addressing this issue continues to be critical in supporting a healthy community. Given that the regional homelessness count is scheduled to occur next year, it may be a good opportunity for the Congress to re-address this topic as well as to focus on ways to end homelessness. To this end, a discussion around collaborative efforts to facilitate affordable housing and supportive housing may be timely. Moreover, given the District's recent approval

of Turning Point's support recovery house, there could be synergies for a discussion around the need for supportive housing for men or youth recovering from substance abuse.

Mental Health Issues among Children and Youth

There has been significant media coverage lately about the doubling of hospital visits among children and youth across the North Shore from 2010-2012. Teens, in particular, have been admitted into the emergency room for depression, suicidal thoughts and self-harm. A report, which has recently been commissioned to document the increase in youth mental health problems, outlines this trend and notes that our community is not well served in this area. A follow up article in the June 19th edition of the North Shore Outlook notes that VCH has announced that its regional child and youth mental health doctor will assist in redesigned care on the North Shore. The North Shore Congress could play an advocacy role in this area and examine how youth outreach services may assist in addressing this problem.

Spirit Trail

The Spirit Trail is intended to be a multi-use, waterfront, fully accessible greenway that will provide pedestrians, cyclists, in-line skaters and people with wheeled mobility aids access across the North Shore from Horeshoe Bay to Deep Cove. The Spirit Trail now runs through sections of the District of North Vancouver, District of West Vancouver, the City of North Vancouver, and the Squamish Nation. The Spirit Trail provides active transportation and numerous public health and environmental benefits, including: improving physical and mental health, increasing opportunities for social interaction, and reducing air pollution. As the Spirit Trail crosses our municipal boundaries, and has been a multi-jurisdictional effort, further discussion could be held regarding the benefits of the Spirit Trail as separated cycling infrastructure and whether more should be done to develop a network of separated on and off-street cycling facilities to encourage active travel.

NS Welcoming Action Committee (WAC)

The North Shore Welcoming Action Committee is currently writing a proposal to Citizenship and Immigration Canada to obtain funding to continue its work in developing welcoming communities and supporting immigrant integration. Under this Federal Call for Proposals, the NSWAC will evolve from its project based focus to a policy and practice focus. The Federal Government's intent is to create Local Immigration Partnership (LIP) Councils that will work to coordinate the delivery of services to immigrants and identify issues and barriers to immigrants fully integrating into communities. This shift in membership is intended to include more senior community leaders and decision makers. Many members of the Congress would be seen as ideal candidates for the LIP Council. It is likely that this group would meet approximately twice a year, although a schedule will be created once the group is established.

Timing/Approval Process:

As the North Shore Congress is scheduled to occur in the Fall of 2013 (early November) it would be beneficial if Mayor and Council considered hosting the event and provided guidance on key agenda topics in order to provide staff sufficient time to organize the event.

Conclusion:

The District of North Vancouver has the opportunity to host the next North Shore Congress which is scheduled for the Fall of 2013. The Congress brings together leaders across North Shore governments and agencies to address key issues regarding the health, social well-being and sustainability of our citizens and communities. As the host local government, the District can provide leadership on key agenda topics to be considered by participating elected officials across the North Shore. Staff has provided a range of potential agenda topics for Council to consider along with the opportunity to host the Congress.

It is recommended that the Committee of the Whole recommend to Council:

1. THAT the District host the next North Shore Congress in the Fall of 2013; and
2. THAT the agenda for the Congress reflect the input of the Committee of the Whole's July 8, 2013 meeting.

Respectfully submitted,

Cristina Rucci, MCIP, RPP
Social Planner

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North Shore Congress Terms of Reference

ATTACHMENT 4

Description

The North Shore Congress is a forum of elected and appointed North Shore public officials including local Governments, School Districts, First Nations, Health Authority, Members of the Legislative Assembly and Members of Parliament.

Objective

1. To provide a forum for discussion and co-operative action on the multi jurisdictional issues that influence the health, social well being and sustainability of our citizens and communities.
2. To establish an opportunity for diverse public organizations to explore opportunities to improve our community, modeled upon the principles of sustainable communities.
3. To provide a networking opportunity for participants.

Membership

All elected or appointed officials from:

- City of North Vancouver
- District of North Vancouver
- District of West Vancouver
- Bowen Island Municipality
- Lions Bay Municipality
- School District 44 – North Vancouver
- School District 45 – West Vancouver
- Chief and Council of Squamish Nation
- Chief and Council of Tsleil-Waututh
- Vancouver Coastal Health Board
- North Shore Members of the Legislative Assembly
- North Shore Members of Parliament
- And
- The Senior administrator from each jurisdiction
- A senior administrator from Capilano University
- Chief of Police from West Vancouver Police Department
- Superintendent of The RCMP – North Vancouver Detachment

Chair

The chair for the Congress meetings will rotate, though successive meetings, amongst the Mayors of the City of North Vancouver, District of North Vancouver and District of West Vancouver. The host mayor will provide the venue.

Meetings

Twice per year – Spring and Fall – TBD

Support

Staff support will be provided by the Director of Planning for each of the three North Shore municipalities and the Medical Health Officer, Vancouver Coastal Health.

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Dept.
Manager

GM/
Director

CAO

The District of North Vancouver REPORT TO COMMITTEE

June 27, 2013

File: File: 13.6770.20/016.000

AUTHOR: J. Pavey, Section Manager – Environmental Sustainability

SUBJECT: Climate Action Revenue Incentive Program (CARIP) Final Report 2012

RECOMMENDATION:

THAT the Committee of the Whole recommend to Council:

THAT Council receive the Climate Action Revenue Incentive Program 2012 Final Report for information.

REASON FOR REPORT:

To update Council on the District's corporate energy use and greenhouse gas (GHG) emissions inventory for 2012 including its progress toward carbon neutral operations under the B.C. Climate Action Charter.

SUMMARY:

In 2007, the District became a signatory to the BC Climate Action Charter. By signing the Charter, the District has committed to measuring and reporting on their communities GHG emissions profile and working to create a more compact, energy efficient community.

The Climate Action Revenue Incentive Program (CARIP) 2012 Final Report (Attachment 2) provides a summary of the direct and indirect actions at a community and corporate level that the District is taking to reduce greenhouse gas emissions.

The carbon neutral framework for local governments includes an option for the 2012 reporting year that allows signatory local governments to satisfy their obligations under the Charter by demonstrating *progress toward* carbon neutral operations. This eliminates the need for local governments to purchase carbon offsets from an offset provider to satisfy the carbon neutral commitment of the Charter. The Green Communities Committee (GCC) has not indicated whether this provision will be an option beyond 2012. Following previous Council direction, the District endorsed the *progress toward* approach for 2012 to satisfy our obligations under the Charter.

For future years, District staff will update the targets previously set in the Strategic Energy Management Plan as part of the Building Retrofit Strategy. Staff will update Council regularly on progress towards carbon neutrality and efforts to achieve community wide GHG reduction targets.

BACKGROUND:

In 2007, the District of North Vancouver became a signatory to the BC Climate Action Charter, a voluntary agreement between the Province, the Union of BC Municipalities (UBCM) and local governments to encourage local governments to take action on climate change. Since release of the Charter, the GCC of the provincial Climate Action Secretariat has been working on developing a common approach to carbon neutrality for signatory local governments.

In 2008, the Province announced the CARIP which provides an annual grant equal to one hundred per cent of the carbon tax paid each year for BC local governments that have signed the Climate Action Charter. The District has received a refund for the carbon taxes for each of the available years. At this time, the CARIP rebate is adjusted internally to be cost neutral within the District's finances and is not transferred to a separate reserve fund.

A comprehensive report was presented to Council at the June 27, 2011 workshop documenting the corporate energy and GHG reduction initiatives, targets, and timelines with an analysis of the emerging provincial protocols proposed to achieve carbon neutrality. At the workshop staff provided an analysis of the various options within the emerging framework proposed by the Province to achieve carbon neutrality. Of particular interest was the new, proposed "Making Progress" option that signalled a positive policy shift by the Province towards attaining carbon neutrality.

At the June 2011 workshop, Council confirmed its desire not to purchase carbon offsets to achieve carbon neutrality and supported in principle the new option "Making Progress" proposed by the Province. In September 2011, this option was formally presented and endorsed at the UBCM convention. With this option, local governments will not have to be carbon neutral by the end of 2012 through the purchase of carbon offsets but must continue to demonstrate, document and report progress in reducing corporate emissions in the following years. In addition, the Province has agreed to continue to work with local governments to expand the criteria of acceptable community projects that local governments could undertake to keep the money in the community that would otherwise be spent on carbon offsets.

EXISTING POLICY:

The District is a signatory to the BC Climate Action Charter. The Official Community Plan (OCP) includes a chapter on Climate Action with policies and targets for more complete, compact and efficient community development to guide energy and GHG reduction and climate change adaptation. Council has adopted the principles of The Natural Step into a policy statement that includes a desire to reduce our dependency on fossil fuels.

ANALYSIS:

District staff are actively engaged through the Metro Vancouver's Regional Engineers Advisory Committee (REAC-CPS) Climate Protection Sub-Committee in the sharing of information to fulfill Charter commitments and the reduction of GHG emissions. Recently, discussions with the Province and the UBCM has been focused on a draft Project Profile that would allow local governments to get credit for avoided deforestation by conservation of new forested lands that would otherwise be developed. An update is expected to be provided at the Fall 2013 UBCM convention.

By signing the Charter, the District made the following commitments:

1. Measuring and reporting community greenhouse gas emissions

Measuring and reporting community-wide emissions is being done by the Province, on behalf of local governments through the Community Energy and Emissions Inventory (CEEI). The District added community greenhouse gas emission targets and reduction measures to its Official Community Plan in 2011 and included GHG emissions as an indicator for progress tracking. The District has completed all required interim and final CARIP reports to date as required by the Province.

2. Creating complete, compact, more energy efficient rural and urban communities

The District is taking significant steps to address the energy efficiency of new neighbourhoods through OCP Implementation, Town Centres Planning and land use planning.

3. Being carbon neutral, as an organization, by the end of 2012

Since release of the Charter, the GCC of the Provincial Climate Action Secretariat has been working on developing a common approach to carbon neutrality for signatory local governments.

An outline of the steps required for carbon neutrality is summarized in Attachment 1. Of these three pathways to carbon neutrality, the District is currently in a position to claim credit for its Green Can Program, under the Organic Waste Diversion project option (2d). Carbon offsets are generated when organic waste is diverted from the solid waste stream and processed aerobically to produce carbon dioxide (CO₂) as opposed to anaerobically in a landfill to produce methane – a greenhouse gas with over twenty times the warming potential of CO₂.

District staff have calculated total carbon emissions, carbon offsets from the Green Can Program (provided by Metro Vancouver Metro Vancouver's staff to the Regional Engineers Advisory Committee (REAC-CPS) Climate Protection Sub-Committee), and the resulting net carbon liability for the 2012 reporting year. This information is summarized in Table 1.

Table 1: District's 2012 Carbon Profile

Total CO ₂ Emissions (tonnes)	Carbon Credits – Organics Diversion (tonnes)	Net Carbon Liability (tonnes)
4,739	1,521	3,218

The total corporate emissions includes both direct emissions from services delivered by the District as well as emissions from contracted services that follow GCC contracted services estimation methodology. It is noted that contracted services were only required to be reported for new or renewed contracts between June 1 and December 31st, 2012. For future years, the contracted emissions will be larger.

As well, it is important to note that the GCC is allowing signatory local governments to claim carbon credits generated through the implementation of pre-approved projects (from the time the local government signed the Charter to the end of 2012) in the 2012 reporting year. In the case of the District's Green Can Program, 1,521 tonnes represents the sum of credits earned through the diversion of organic waste from the time the District signed the Climate Action Charter in 2007, through the end of 2012. In future years, the credits available from the diversion of organic waste are expected to be substantially lower as they will be generated within a single reporting year although the overall diversion rates are planned to significantly increase as the organic waste diversion program expands in scope.

While the above framework provides a certain degree of flexibility in meeting the Charter commitment of carbon neutrality, it still presents a number of policy challenges. Purchasing offsets means money that could be spent locally could potentially flow out of the community, investing in GCC approved projects could mean investing money locally, but outside of traditional local government services and there is the requirement for verification involved with developing local offset projects. The framework also does not recognize more traditional and cost-efficient ways that local governments can influence community emissions such as land use planning, policy development, community outreach, etc. in terms of carbon neutral reporting but these are captured in the summary of actions at both the corporate and community level.

Although pathways two and three ensure money is being invested locally, to be eligible, the projects must be undertaken *outside* of the local government's corporate emission boundaries. To illustrate this point, consider an energy efficient building retrofit (a 2b project). The District would need to finance an energy retrofit to a building outside of our corporate boundaries such as local school to claim as an offset from our corporate emissions. Through REAC-CPS, District staff have participated in ongoing communications with the GCC including a formal submission for resolution focussed on the above concerns.

In response to these concerns, recognizing that methodologies for community-based offset projects needed further work, the GCC introduced a fourth pathway in 2011 to carbon neutral local government, providing for increased flexibility.

- **Making progress toward carbon neutrality.** Under this option, a local government is considered to have satisfied its commitment to the Charter for the 2012 reporting year if it measures, attempts to reduce and reports publically on its progress. This approach allows local governments to demonstrate their commitment to energy and emissions management and progress toward carbon neutrality. In addition, through the public reporting process, local governments will be asked to report on corporate and community-wide actions that do not qualify as offsets, but are equally important in meeting the broader climate protection objectives of the Charter.

The GCC has not yet indicated whether the *progress toward* option will be available in future years beyond 2012. Staff and the REAC-CPS have emphasized the need for this option to continue to staff the Province.

Timing/Approval Process:

The Climate Action Revenue Incentive Program 2012 Final Report was completed and publicly reported before June 1, 2013. The final report includes the emissions inventory for 2012 and the carbon credits from organic diversion which was reported at the April 18th, 2013 REAC-CPS.

Concurrence:

The commitment to reduce GHG emissions in the District has been endorsed by Council and staff at regular intervals since becoming a signatory to the Climate Action Charter.

Building Retrofit Program

The Building Retrofit Program approved by Council in 2011 makes improvements to the efficiency of our building stock through the application of a comprehensive suite of technological changes to forty eight buildings that will maximize energy and GHG reduction. Following the Council workshop in July 2011, the retrofit plan was approved by the Finance and Audit committee and has advanced to the project implementation stage. A contractor was hired to implement a number of large scale projects such as the Ron Andrews Recreation facility. District staff are managing the smaller projects internally such as installing new lighting and mechanical services at the Operations Centre and District Hall, sealing buildings, conducting thermal imaging, monitoring energy use and building performance that will build staff capacity and provide additional cost savings. This work aligns with the goals and targets of the Corporate Strategic Energy Management Plan and corporate greenhouse gas reduction strategies.

Financial Impacts:

At the community level, the benefits of compact, walkable, mixed-use communities, green buildings and energy conservation are well documented. Energy prices are anticipated to rise over time and implementing GHG reduction strategies will reduce energy demand and shift to low carbon energy sources over time. The effects of climate change such as more frequent and severe weather events are already being experienced in the District and actions to adapt and mitigate these impacts along with significant efforts to create more sustainable communities are occurring now. As the District is pursuing the "Making Progress" option, it is

not purchasing offsets to achieve carbon neutrality at present. However, the costs to purchase carbon offsets for 2012 at \$30/tonne for the balance of corporate emissions at 3218 tonnes would be \$96,540. This cost estimate is expected to be higher in future years as the contracted emissions portion was only calculated for a portion of the year as it came into effect for June 1st, 2012.

Liability/Risk:

UBCM and the Province's Climate Action Secretariat have been working with local governments through the Green Communities Committee (GCC) on a number of issues related to the carbon neutral framework. As well, through Metro Vancouver's REAC-CPS, several concerns have been brought forward for resolution. In response, the Province has shown flexibility including by introducing in 2011 an alternative "making progress" designation for communities that are investing in energy and emission-reduction projects but *not* meeting the carbon neutral test as detailed in the carbon neutral framework. At this time, an issue around contracted emissions reporting remains outstanding.

The Province has confirmed verbally that local governments will not be penalized for *not* achieving their carbon neutral commitment as it is a voluntary commitment. The GCC has also communicated that jurisdictions will continue to receive the CARIP refund by demonstrating that they are making progress towards carbon neutrality, even if their corporate carbon emission balance remains positive. It is unclear how long this alternative will be available.

Social Policy Implications:

The strategies to reduce GHGs such as smart growth measures, greener buildings, active transportation, waste reduction and climate adaptation are beneficial from a social perspective.

Environmental Impact:

It is important to keep striving to reduce GHG emissions and sequester carbon. Global emissions must be reduced before the impacts of elevated CO² levels become critical to the ecology and economies of the world.

Public Input:

There was extensive public interest and input through the OCP process. The completion of the Community Energy and Climate Action Plan (CECAP), which was initiated during the OCP process, is anticipated in 2014 as part of the OCP Implementation program and will include additional public input.

Conclusion:

In 2007, the District signed the BC Climate Action Charter, voluntarily committing to become carbon neutral by 2012 with respect to corporate greenhouse gas (GHG) emissions. In addition to the "carbon neutral" component, the Charter commits the each signatory local government to measuring and reporting on their community's greenhouse gas emissions and to creating complete, compact, more energy-efficient communities.

**SUBJECT: CARIP Report 2012 Climate Action Revenue Incentive Program (CARIP)
Final Report 2012**

June 27, 2013

Page 7

This report outlines the community-wide and corporate actions that were undertaken in 2012 and proposed in 2013 in relation to the City's commitments under the Charter.

It is recommended that the Committee of the Whole recommend to Council:

THAT Council receive the Climate Action Revenue Incentive Program 2012 Final Report for information.

Respectfully submitted,

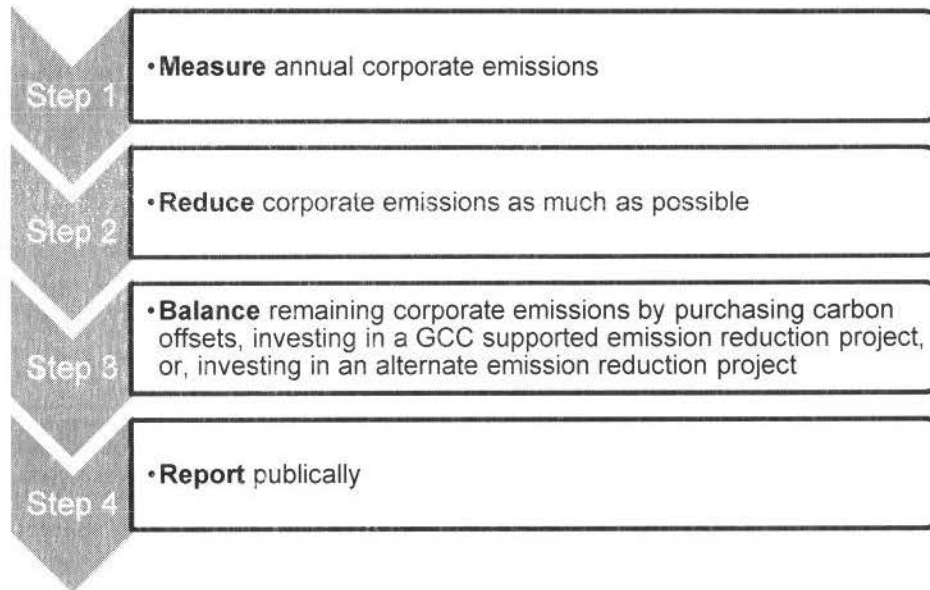
Julie Pavey
Section Manager, Environmental Sustainability

REVIEWED WITH:		
<input type="checkbox"/> Sustainable Community Dev. _____	<input type="checkbox"/> Clerk's Office _____	External Agencies:
<input type="checkbox"/> Development Services _____	<input type="checkbox"/> Communications _____	<input type="checkbox"/> Library Board _____
<input type="checkbox"/> Utilities _____	<input checked="" type="checkbox"/> Finance <i>JHP</i> _____	<input type="checkbox"/> NS Health _____
<input type="checkbox"/> Engineering Operations _____	<input type="checkbox"/> Fire Services _____	<input type="checkbox"/> RCMP _____
<input type="checkbox"/> Parks & Environment _____	<input type="checkbox"/> ITS _____	<input type="checkbox"/> Recreation Com. _____
<input type="checkbox"/> Economic Development _____	<input type="checkbox"/> Solicitor _____	<input type="checkbox"/> Museum & Arch. _____
<input type="checkbox"/> Human resources _____	<input type="checkbox"/> GIS _____	<input type="checkbox"/> Other: _____

Attachment 1. Carbon Neutral Background

In July 2011, the GCC released *Becoming Carbon Neutral; A Guidebook for Local Governments in British Columbia*, which outlines the following steps to achieve carbon neutral operations and satisfy the third commitment of the Charter (Figure 2):

Figure 2 – Four Steps to Carbon Neutral Operations



The District has been measuring and reducing its corporate emissions to the extent possible since committing to the Climate Action Charter. This leaves steps three, balancing emissions to achieve carbon neutrality, and four, reporting publically, to fully satisfy its commitment to the Climate Action Charter.

The GCC had initially developed three pathways for local governments to balance their emissions.

1. **Purchase offsets from a credible offset provider.** Under this option, local governments may choose to purchase carbon offsets from the Pacific Carbon Trust, Offsetters, or others, at a cost of roughly \$25-30/tonne. It's important to understand that the money spent on offsets would flow out of the community.
2. **Invest in a GCC approved, local community emission reduction project.** Under this option, local governments can follow a pre-approved methodology for calculating the carbon offsets generated by a project that they finance within their community but outside of their corporate emission boundaries. The four projects pre-approved to generate local carbon offsets are;
 - a. Low Emission Vehicles
 - b. Energy Efficient Building Retrofits

- c. Solar Thermal Hot Water Retrofit Installations
- d. Organic Waste Diversion

3. Invest in an alternate Emission Reduction Project. Under this option, local governments can develop and finance a local offset project not on the list of GCC approved projects. These projects would be subject to rigorous requirements, including the onerous and often costly third party measurement and verification process to ensure the project has generated valid carbon offsets.

In 2012, the GCC announced a recognition program for local governments that satisfy certain Charter commitments, including achieving carbon neutral operations. The program includes the following three levels of recognition:

Level 1: Progress on Charter Commitments – local governments that demonstrate progress on fulfilling one or more of their Charter commitments will receive a letter from the GCC acknowledging their accomplishments.

Level 2: Measurement – local governments that have completed a corporate carbon inventory for the reporting year and demonstrate that they are familiar with the Community Energy and Emissions Inventory (CEEI) will receive a “Climate Action Community 2012” logo, for use on their websites, letter head, etc.

Level 3: Achievement of Carbon Neutrality – local governments that achieve carbon neutrality in the reporting year will receive a “Climate Action Community – Carbon Neutral 2012” logo, for use on their websites, letter head, etc.

It is expected that the District of North Vancouver will receive Level 2 recognition under this GCC program with the *progress toward* carbon neutral designation for the 2012 reporting year.

Climate Action Revenue Incentive Plan (CARIP) Public Report

Climate Action Revenue Incentive (CARIP) Public Report for 2012

Corporation of the District of North Vancouver

Metro Vancouver Regional District

Reported by

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Environmental Sustainability

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 - 2.2 - Reduce
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 - Direct
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- Carbon Neutral Progress Reporting

General Information

Name of Local Government	<i>Corporation of the District of North Vancouver</i>
Member of Regional District (RD)	<i>Metro Vancouver Regional District</i>
Regional Growth Strategy (RGS) in region	<i>Yes</i>
Population	<i>88,678</i>

Community-Wide Actions for 2012

1.1 Measure

Community-Wide Measurement Actions

Question	Have you been using the <i>Community Energy and Emissions Inventory</i> (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	Yes
Additional Information	<i>CEEI data was utilized to prepare the 2010 Community Climate Action Plan: Foundations Report as well as the District's Official Community Plan (OCP). Community wide measurement data provided by consultants was also utilized.</i>

1.2 Plan

Community-Wide Targets

Question	Do your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	<i>The District of North Vancouver's OCP was adopted in June, 2011. The OCP contains targets, policies and actions to reduce GHG emissions, as per the requirements under the Local Government (Green Communities) Statutes Amendment Act. The District's role is to implement the strategies and actions of the OCP to reduce greenhouse gas emissions by 33% reduction by 2030 with the 2007 CEEI used as the baseline. Examples of strategies included in the OCP to address climate change include: green infrastructure; protected and managed parkland and community forests; mixed-use, transit-oriented growth centres; increased share of trips by transit, cycling and walking; and a green building strategy. Preliminary targets for District specific actions defined by Council are in OCP support documents..</i>

Question	If you are a Regional District, does your RGS have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	
Additional Information	<i>Not applicable. The District's OCP includes a Regional Context Statement demonstrating alignment with Metro Vancouver Regional Growth Strategy.</i>

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	<i>Adopted Schedule B of the OCP which establishes seven Development Permit Areas including Protection of the Natural Environment, Streamside Protection, Wildfire Hazard, Creek Hazard, Slope Hazard, Form and Character and Energy and Water Conservation and GHG Emission Reduction. Adopted the Transportation Plan which includes planning to align the North Shore Area Transit Plan with a network of connected town and village centres that support effective transit, walking and cycling and focus growth and renewal. Completed planning work for the installation of electric vehicle charging infrastructure (Level 2 and Level 3 Plug-in Electric Vehicle (PEV) charging stations). This included hosting a regional planning session for Level 2 PEV stations and hosting a Community Energy Association (CEA) workshop to explore electric vehicle charging infrastructure retrofits for existing multi-family properties (MURB).</i>
Proposed Actions for Next Year	<i>Continue implementation of the OCP and the Transportation Plan with a focus on Town and Village Centre Implementation Plans. The implementation plans include District Energy System opportunities and sustainable design guidelines. The Transportation Plan includes pedestrian, cycling, transit and road safety improvements. Explore climate change adaptation with an inter-department team. Initiate a Community Energy and Climate Action Plan (CECCAP) with a goal of completing within two years.</i>

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	<i>Adopted a new Development Permit Area (DPA) to encourage energy efficiency and a reduction of GHG emissions in Schedule B of the OCP. Continued implementation of the Green Building Strategy.</i>
Proposed Actions for Next Year	<i>Expand outreach and education for Green Building Design Guidelines including planning a workshop with contractors/builders to support the Green Building Strategy and development of a new section on the District website to promote and share information on incentive programs available to the community (BC Hydro Powersmart and FortisBC energy retrofit programs). Review the feasibility of incorporated night sky</i>

	<i>principles into the Development Permit guidelines to promote energy conservation for lighting. Review parking requirements to support electric vehicles, bikes and scooters in new developments. Review opportunities for LED street lighting including adaptable design for future design.</i>
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Action Type	Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bio heating for buildings)
Actions Taken this Year	<i>Continued work with FortisBC to develop a District Energy System (DES) for two Town Centres and include hydronic ready requirements for new developments. Adopted a DPA for energy and water conservation and GHG reduction which includes guidelines to support solar thermal or solar electric technologies and on-site renewable energy systems. Participated in ongoing project scoping for the new North Shore Waste Water Treatment Plan including discussions on DES opportunities for waste heat.</i>
Proposed Actions for Next Year	<i>Continue work with FortisBC to implement a DES for the two Town Centres and continue to include hydronic ready requirements for new development. Continue to participate in the North Shore Waste Water Treatment Plan and explore DES opportunities for waste heat. Conduct a design charrette to review district energy opportunities for Lower Capilano Marine Drive Town Centre.</i>

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	<i>Adopted a Parks and Open Space Strategic Plan which includes a number of sustainability considerations. Updated the Tree Bylaw to include target forest canopy coverages.</i>
Proposed Actions for Next Year	<i>Complete projects to formalize trails in Lynn Valley Park and make improvements to Mountain View park. Develop an invasive plant strategy and expand the invasive plant removal program by identifying key areas throughout the District. Continue work with Greater Vancouver Invasive Plant Council and volunteers to remove plants in identified key areas. Replant disturbed areas with native trees and plants to prevent invasive plants re-establishing.</i>

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle
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	master plan)
Actions Taken this Year	<i>Adopted the Transportation Plan. Adopted the Bicycle Master Plan, continued planning work for Spirit Trail connections and completed cycling improvements to finish the western section of Spirit Trail. Completed the joint North Shore Spirit Trail way finding study. Completed the conceptual design for Spirit Trail pedestrian bridge over Lynn Creek. Completed the widening of Mt. Seymour Parkway Bridge over Seymour River to provide cycling lanes. Completed transit planning for North Shore Area transit plan and transit service improvements which now provide frequent transit service on some routes (15 minute service, 15 hours/day, 7 days/week). Continued ongoing work with School District 44 to increase levels of active and safe travel. Developed website communications and provided in-kind staff resources to develop a cycling user map.</i>
Proposed Actions for Next Year	<i>Support joint planning with Translink for a major Phibbs Exchange upgrade to promote public transit use. Continue the promotion of strong trail/greenway connections with a focus on emerging Town Centres (Frequent Transit Development Areas) to reduce vehicle dependency and contribute to a reduction in greenhouse gas emissions. Complete the Mt. Seymour Parkway cycle lanes. Include pedestrian and bike lanes in the design scope for new capital bridge infrastructure. Continue to implement additional bike projects including the Barrow Street bike route to Iron Workers Memorial Bridge.</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	<i>Continued to work with Metro Vancouver on the Integrated Solid Waste Resource Management Plan. Introduced an organics diversion program through the curbside Green Can program. Continued work with North Shore Recycling to improve diversion rates in the District.</i>
Proposed Actions for Next Year	<i>Continue to work with Metro Vancouver on the Integrated Solid Waste Resource Management Plan. Continue to pursue diversion target of 70% by 2015. Expand the compost/green can coaching program using experts to instruct residents on composting. Improve recycling participation by developing a new brochure to distribute to all multi-family residents. Use community-based social marketing to improve participation and reduce contamination. Amend bylaws to require space for recycling in all commercial buildings. Increase education and outreach to increase waste reduction and recycling across all sectors. Increase reuse and recycling on demolition and construction sites. Working with Metro Vancouver, implement upcoming Provincial Extended Producer Responsibility (EPR) Program for Packaging and Printed Paper (PPP).</i>

Action Type	Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)
Actions Taken this Year	<i>Participated in ongoing project scoping for the new North Shore Waste Water Treatment Plant. Continued ongoing work for Inflow & Infiltration (I&I) reduction program. Completed the installation of twenty water bottle filling stations in parks. Completed the installation of centralized irrigation controls for District sports fields for water conservation. Continued rebates on low flush toilets.</i>
Proposed Actions for Next Year	<i>Continue to participate in ongoing project scoping and project definition for the new North Shore Waste Water Treatment Plant. Continue ongoing work for Inflow & Infiltration (I&I) reduction program including completion of pilot area of inspection and remediation to validate I&I program cost targets and performance. Implement Drinking Water Management Plan goals including setting up a basis to evaluate universal water metering options by selecting residential characteristics from which to meter and compare water use. Complete the report modelling the ultimate water consumption per capita and costs to achieve this value. Evaluate the District's bylaw regarding completing cross connection removal work on private property. Implement the flat block sewer rate structure which better promotes water conservation. Complete the Hastings Creek Blueprint, an Integrated Stormwater Management Plan (ISMP) project and initiate a new ISMP project. Complete Lower Lynn Master Drainage Plan.</i>

Action Type	Other Actions
Actions Taken this Year	<i>Reviewed Development Cost Charges and Community Amenity Contributions to facilitate infrastructure improvements and support a range of sustainability initiatives.</i>
Proposed Actions for Next Year	

Direct Community-Wide Actions

Action Type	Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)
Actions Taken this Year	<i>Expanded the Green Building Strategy to address building renovations and retrofits. Adopted a new DPA for to encourage energy efficiency and a reduction of GHG emissions. Incorporated sustainability principles in the Town Centres design guidelines as part of overall implementation plans.</i>
Proposed Actions for Next Year	<i>Explore the development of a green building information centre including brochure racks and bulletin board to promote the Green Building Strategy and support the Cool North Shore programs.</i>

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	<i>Continued work with FortisBC to implement a DES for two Town Centres and included hydronic ready requirements for new development. Assessed the potential for a pilot biomass project.</i>
Proposed Actions for Next Year	<i>Continue work with FortisBC to implement a DES for two Town Centres and include hydronic ready requirements for new development. Undertake detailed feasibility assessment for DES in Lower Capilano Marine Town Centre including policy workshop with stakeholders. Continue work on a pilot biomass project.</i>

Action Type	Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)
Actions Taken this Year	<i>Partnered with Travel Smart Pilot Project for municipalities to shift from single occupancy vehicle. Improved pedestrian and cycling infrastructure. Completed TRRIP projects (sidewalks, shelter upgrades to promote transit use). Supported Safe Routes to School initiatives. Completed East Keith Road sidewalk improvements.</i>
Proposed Actions for	<i>Partner with BC Hydro to host for a public fast charge (Level 3) electric vehicle charging</i>

Next Year	<i>station. Continue to improve pedestrian and cycling infrastructure. Complete ongoing Transit Related Road Infrastructure Program (TRRIP) projects (sidewalks, shelter upgrades,etc) to promote transit use. Continue to support Safe Routes to School initiatives.</i>
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Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	<i>Continued to work with Metro Vancouver on the Integrated Solid Waste Resource Management Plan. Introduced an organics diversion program through the curbside Green Can program. Continued work with North Shore Recycling to improve diversion rates in the District.</i>
Proposed Actions for Next Year	<i>Continue to work with Metro Vancouver on the Integrated Solid Waste Resource Management Plan. Continue to pursue diversion target of 70% by 2015. Expand the compost/green can coaching program, using experts to instruct residents on composting. Improve recycling participation by developing a new brochure to distribute to all multi-family residents. Use community-based social marketing to improve participation and reduce contamination. Review public space recycling options.</i>

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<i>Hired a second water conservation officer to enhance resident education. Eliminated the declining block sewer rate structure which did not promote water conservation. Completed water/sanitary sewer models with a goal of improving water conservation. Expanded the I&I reduction program to private connections.</i>
Proposed Actions for Next Year	<i>Pilot two significant water conservation programs as part of the water conservation plan. Continue low flush volume toilet rebate program. Participate in water smart activities through educational distribution and employment of water conservation officer. Expanded noise logger pilot with remote communication and additional loggers focusing on finding water leakage in a large service area.</i>

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken	

this Year	<i>Continued forest restoration and street tree program with a goal of increasing urban forest canopy coverage. Developed Fuel Management prescriptions through UBCM funding to protect natural green spaces and mitigate the risk of wildfire threats to urban forest interface. Expanded Panorama Park through park acquisition to expand green space and increase future carbon sequestration opportunities.</i>
Proposed Actions for Next Year	<i>Continue to expand street tree inventory and urban forest canopy coverage with redevelopment sites. Develop an invasive plant strategy and continue with the invasive removal and habitat restoration program including a significant volunteer component. Undertake fuel management treatment through UBCM funding to protect natural green spaces and mitigate the risk of wildfire threats to urban forest interface. This includes greenbelt and forest urban edge fire prevention cleaning, wind firming treatments and restoration plantings. Continue park acquisition planning to expand public parks in town centres as part of OCP implementation.</i>

Action Type	Other Actions
Actions Taken this Year	
Proposed Actions for Next Year	

1.4 Community Wide Innovation

Question	Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.
Answer	<i>Partnered with adjacent municipalities (City of North Vancouver, District of West Vancouver) and Cool North Shore to offer the Cool Neighbourhoods community-based retrofit program (www.coolnorthshore.ca). This includes the use of thermal imagery by municipal fire department personnel to identify sources of heat loss.</i>

Corporate Actions for 2012

2.1 Measure

Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory (e.g. corporate assets identified related to energy and fuel data and calculated GHG emissions from energy use)?
Answer	<i>The District of North Vancouver has tracked its energy consumption for its corporate assets and calculated the corresponding GHG emissions.</i>

Question	What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?
Answer	<i>Electrical and natural gas use are tracked using 'Artic Fox' energy tracking software. Fuel use by fleet vehicles is tracked separately through accounting software. Corporate emissions are calculated in Excel from the energy consumption data, using the guides and workbooks found on the BC Climate Action Toolkit Website.</i>

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. <i>developed corporate climate action plan</i>)
Actions Taken this Year	<i>Continued to follow existing Corporate Climate Action Plan developed in 2010. Parks and Open Space Strategic Plan adopted by Council.</i>
Proposed Actions for Next Year	<i>Revisit and update Corporate Climate Action Plan.</i>

Action Type	Building and Lighting (e.g. developed energy reduction plan for all corporate buildings)
Actions Taken this Year	<i>Continued to implement measures as outlined in the District's Strategic Energy Management Plan with lighting and mechanical retrofit and renewal projects. Implemented retrofit measures through building operators and technical advisors. Completed a feasibility study on building envelope upgrades.</i>
Proposed Actions for Next Year	<i>Continue to improve and update the Strategic Energy Management Plan. Develop a building automation strategy and automation plan for electrical and mechanical equipment. Complete a feasibility study on potential re-commissioning opportunities at the District's largest pool and recreation centre.</i>

Action Type	Energy Generation (e.g. undertook feasibility study of green energy generation for civic buildings)
Actions Taken this Year	<i>A wind and solar unit was purchased and was upgraded for approval under the new 2012 electrical code.</i>
Proposed Actions for Next Year	<i>Micro hydro, wind solar, and biomass heating projects are proposed for 2013. Install a wind and solar unit at District Hall.</i>

Action Type	Transportation (e.g. created anti-idling policy for city vehicles, bike to work week promotion)
Actions Taken this Year	<i>Continued with anti-idling and bike to work programs for staff. Initiated a review of vehicle use requirements to develop a vehicle renewal strategy to transition to low emissions cars and trucks where feasible.</i>
Proposed Actions for Next Year	<i>Explore the purchase of electric vehicles for the corporate fleet. Explore the purchase of electric bicycles for short distance business trips.</i>

Action Type	
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	Waste(e.g. completed waste audit of City Hall)
Actions Taken this Year	<i>Continued recycling programs at District Hall and Operations Centre to enable staff to reduce, reuse, and recycle.</i>
Proposed Actions for Next Year	<i>Evaluate the potential of Waste to Energy opportunities for corporate facilities.</i>

Action Type	Water/Sewer (e.g. completed study of sewer and water energy use)
Actions Taken this Year	<i>Continued municipal actions in support of the Metro Vancouver's Drinking Water Management Plan. Reviewed and eliminated the declining block sewer rate structure which did not promote water conservation. Completed water and sanitary sewer models to support improved water conservation. Developed an infiltration and inflow reduction strategy.</i>
Proposed Actions for Next Year	<i>Continue to implement Drinking Water Management Plan goals, including setting up a basis to evaluate universal water metering options. Implement the flat block sewer rate structure to encourage water conservation. Evaluate the District's bylaw regarding completing cross connection removal work on private property. Install low flow fixtures at municipal buildings as a test and demonstration of water conservation measures.</i>

Action Type	Other Actions
Actions Taken this Year	<i>Developed a web-based energy and GHG emissions tool to support future education and awareness campaign at a corporate level.</i>
Proposed Actions for Next Year	<i>Implement a web-based energy and GHG emissions tool to support an education and awareness program at a corporate level.</i>

Direct Corporate Actions

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	<i>Continued to implement corporate building Energy Retrofit Program measures which were started in 2011. Completed lighting retrofits in approximately 70% of corporate facilities. Completed mechanical upgrades such as upgrading to high efficiency condensing boilers at a recreation pool centre and upgrading HVAC controls. Completed the construction of an eco-smart Fire Hall facility with geo-thermal, solar thermal, and other high performance building components. Installed LED street lighting on the Spirit Trail.</i>
Proposed Actions for Next Year	<i>Continue to complete lighting retrofits in remaining corporate facilities. Initiate a number of mechanical system renewal and upgrade projects as part of Energy Retrofit Program including upgrades to boilers, furnaces, hot water tanks, HVAC (re)commissioning, and a DDC feasibility study and implementation. Install solar PV and wind powered lighting station at District Hall. Explore a pilot for LED sport field lighting technologies. Install LED Street lighting in new development. Install LED lighting upgrades at pedestrian crosswalks.</i>

Action Type	Energy Generation (e.g. implemented heat recovery systems, solar)
Actions Taken this Year	<i>Installed a concentrated solar thermal preheat demonstration project at the District Hall.</i>
Proposed Actions for Next Year	<i>Develop and implement a small scale renewable biomass heating plant at a pool and recreation centre to demonstrate Waste to Energy technology and reduce natural gas use.</i>

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<i>Continued with anti-idling campaign for the corporate fleet which is using eight Smart cars and four hybrids vehicles. Continued using biodiesel fuel in all applicable vehicles. Included flex fuel ready requirements for all new gas powered vehicles.</i>

Proposed Actions for Next Year	<i>Continue to support anti-idling policy for fleet vehicles. Continue to evaluate alternate fuel usage including CNG for fleet vehicles. Evaluate the purchase of up to three electric vehicles for fleet. Continue the replacement of older equipment with lower emission and fuel consumption units. Install a public level 2 PEV charging facility at District Hall.</i>
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Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<i>Initiated a battery recycling program at District Hall and the Operations Centre through the corporate "Go Green" team. Installed Dyson hand dryers to reduce paper towel use in civic facilities.</i>
Proposed Actions for Next Year	<i>Continue the review of corporate opportunities to expand waste diversion (organics and recycling) through the corporate "Go Green" staff team.</i>

Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<i>Completed additional research on water conservation opportunities, such as noise loggers and alternate fixture rebate programs.</i>
Proposed Actions for Next Year	<i>Complete a large scale noise logger/water reduction program as approved by Council. Install single family meters at an estimated one hundred locations to collect single family water use data which is currently collected area wide.</i>

Action Type	Green Space (e.g. planting of trees)
Actions Taken this Year	<i>Planted 90 Trees and 1,450 shrubs as part of the District's operations.</i>
Proposed Actions for Next Year	<i>Continue planting of street trees and shrubs through a number of projects.</i>

Action Type	
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	Other Actions
Actions Taken this Year	<i>Completed a project to utilize green waste (all park leaves collected in the fall) to create a soil amendment product which is then reused in landscapes and gardens. Completed two projects to incorporate recycled rubber surfacing at a seniors exercise area and park Playground. Completed a number of projects and initiatives through the staff volunteer "Go Green" team, including the installation of an apiary at District Hall, hosting sustainability focused lunch and learn seminars and staff awareness campaigns for energy conservation.</i>
Proposed Actions for Next Year	<i>Continue to recycle all park leaves and look for other bi-products that can be recycled such as plants, wood chips; animal manures, and green waste.</i>

2.3 Corporate Innovations

Question	Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.
Answer	<i>Continued to build and improve internal capacity and knowledge through self-management of retrofit projects.</i>

Carbon Neutral Progress Reporting

Tonnes CO2e

Annual corporate emissions using SMARTTool or equivalent inventory tool 4739

Emissions from services delivered directly by the local government 4629

Emissions from contracted services 110

1521

Less:

GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project

Energy Efficient Building Retrofits and Fuel Switching

Solar Thermal

Household Organic Waste Composting 1521

Low Emissions Vehicles

0

Less:

GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects

Please list all Option 2 Projects Implemented (insert title of the projects(s) as per project plan template. If you have more than two Option 2 projects you can add more lines at the bottom of this sheet)

0

Less:

Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.

3218

Balance of corporate emissions for this reporting year.

(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)

Making Progress on Your Carbon Neutral Commitment

Question	<p>If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal.</p>
Answer	<p><i>There are a number of indirect and direct actions planned for 2013 which will reduce greenhouse gas emissions from corporate buildings and fleet. Key initiatives include the completion of lighting retrofits in remaining corporate facilities, the undertaking of a number of mechanical system renewal & upgrade projects including upgrades to boilers, furnaces, hot water tanks, HVAC (re)commissioning, and a DDC feasibility study and implementation. The District is also working on the installation of a biomass burner using wood waste to displace natural gas use at a recreation centre with an indoor swimming pool.</i></p>

Offset Provider	
We have already purchased	
Or, will purchase by June 1, 2013	

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