



## **FONVCA AGENDA**

**Wednesday February 16<sup>th</sup> 2012**

**Place:** DNV Hall 355 W. Queens Rd V7N 2K6

**Time:** 7:00-9:00pm

**Chair:** Dan Ellis– Lynn Valley C.A.

**Tel:** 604-816-8823 **Email:** ellis7880@shaw.ca

Regrets:

### **1. Order/content of Agenda(\*short)**

### **2. Adoption of Minutes of Jan 25<sup>th</sup>**

<http://www.fonvca.org/agendas/feb2012/minutes-jan2012.pdf>

### **3. Old Business**

#### **3.1 Council Agenda Distribution - continued**

### **4. Correspondence Issues**

#### **4.1 Business arising from 6 regular emails:**

Distributed with full package and posted on web-site

#### **4.2 Non-Posted letters – 0 this period**

Distributed with full package but **not** currently posted on web-site.

Clarification of policy on posting letters emailed to FONVCA

### **4.3 Roundtable on “Current Affairs”**

A period of roughly 30 minutes for association members to exchange information of common concerns.

#### **(a) Membership Criteria of Community Associations**

- Doug Curran

[http://www.fonvca.org/letters/2012/16jan-to/Doug\\_Curran\\_8feb2012.pdf](http://www.fonvca.org/letters/2012/16jan-to/Doug_Curran_8feb2012.pdf)

<http://www.dnv.org/article.asp?c=566>

<http://www.fonvca.org/procedures.pdf>

Last minute addendum material....distributed at meeting.

#### **(b) Eric Andersen:** Carried over from January meeting.

-Cool Neighbourhood.

-Traffic & Safety Meeting.

### **5. New Business**

#### **Council and other District issues.**

#### **5.1 Latest 2006-2011 Census Canada Results**

- some results presented by Corrie Kost

#### **5.2 “Seniors Today” DNV Workshop**

- report on Feb 8/2012 workshop by Corrie Kost

[http://www.lionsviewseniorsplanning.com/PDF/survey/SENIORS\\_TODAY\\_Final\\_Report.pdf](http://www.lionsviewseniorsplanning.com/PDF/survey/SENIORS_TODAY_Final_Report.pdf)

#### **5.3 2012-2016 Financial Plan and Budget Process**

[http://www.fonvca.org/agendas/feb2012/2012-](http://www.fonvca.org/agendas/feb2012/2012-2016Financial%20Plan-opt.pdf)

[2016Financial%20Plan-opt.pdf](http://www.fonvca.org/agendas/feb2012/2012-2016Financial%20Plan-opt.pdf)

<http://www.dnv.org/article.asp?a=5274>

#### **5.4 Letter & Council response to FONVCA**

##### **letter on Council Advisory Committees**

<http://www.fonvca.org/agendas/feb2012/committees-letter-and-responses.pdf>

#### **5.5 Waste to Energy reports**

No response to letter send to Dave Stuart

<http://www.fonvca.org/agendas/feb2012/Dear%20Dave%20Stuart-c.pdf>

The Burnaby Facility:

<http://www.metrovancouver.org/about/publications/Publications/WasteEnergyFactsheet.pdf>

GVRD Plans:

<http://www.metrovancouver.org/services/solidwaste/planning/Pages/default.aspx>

Other References:

<http://www.canadaticket.com/other/Energy%20to%20Waste.pdf>

<http://www.metrovancouver.org/services/solidwaste/planning/ContraryOpinions/McKendryReportandResponse.pdf>

<http://www.env.gov.bc.ca/epd/mun-waste/reports/pdf/BCMOE-WTE-Emissions-final.pdf>

### **6. Any Other Business**

#### **6.1 Legal Issues**

**a) WV to expropriate 2 waterfront properties for \$7.9million**

<http://www.nsnews.com/news/West+Vancouver+expropriates+Ambleside+lots/6083195/story.html>

#### **6.2 Any Other Issues (2 min each)**

**a) News-Clips of the month...**

<http://www.fonvca.org/agendas/feb2012/news-clips/>

### **7. Chair & Date of next meeting.**

**Eric Andersen – Blueridge C.A. – Mar 21<sup>st</sup>**



Jan 2009

K'nud Hille

Norgate Park C.A.

Eric Andersen

# FONVCA

## Minutes Wed. Jan 25<sup>th</sup> 2012

Place: DNV Hall 355 W. Queens Rd V7N 2K6  
Time: 7:00-9:00pm

### Attendees

Brian Platts (Chair)	Edgemont/Upper Capilano C.A.
Cathy Adams (notes)	Lions Gate Neighbourhood Assn.
Dan Ellis	Lynn Valley Community Assn
John Hunter	Seymour Community Assn.
Val Moller	Lions Gate Neighbourhood Assn.
Corrie Kost	Edgemont/Upper Capilano C.A.
Diana Belhouse	Save Our Shores & Delbrook CA
Fred Gooch	Blueridge Community Assn
Lyle Craver	Lynn Valley Community Assn

**Guests:** Mike Little, Councillor  
Sharlene Hertz, Delbrook Community Assn.

**Regrets:** John Miller, Eric Andersen, Paul Tubb

The meeting was called to order at 7:04 PM.

### 1. ORDER / CONTENT OF AGENDA

Item 5(e) was moved forward to accommodate an attendee who may need to leave early. Approved with this change.

### 2. ADOPTION of Nov 17<sup>th</sup> 2011 MINUTES

Adopted unanimously, as circulated (with change that it was on 17<sup>th</sup> not the indicated 16<sup>th</sup>).

There was discussion on the topic of regular meeting dates for FONVCA. The 3<sup>rd</sup> Thursday date we have had for many years no longer has a meeting room available at District Hall. We have been offered meeting room space on the 3<sup>rd</sup> Wednesday of each month. Other options were brought up, including using space at Delbrook Recreation Centre. Unknown whether the third Thursday would be available, and if there would be a fee.

It was decided that we would shift our monthly meetings to the third Wednesday of the month, and monitor attendance, feedback from members, etc. over the next few months.

### 3. OLD BUSINESS

#### 3.1 Council Agenda Distribution

There was a letter published in the North Shore News <http://www.nsnews.com/technology/lines+communication+cloudy/6025408/story.html> on the subject of DNV Communication with the public, including the issue of Council Agendas no longer being advertised in the North Shore News – something FONVCA has been trying to get some progress on over the past months. Dave Stuart was contacted by John Hunter and Corrie Kost in the fall, and Corrie had prepared some information regarding costs to advertise in the newspaper. What is desired - a consistent system of proper agenda notifications in the District Dialogue space? That the North Shore News print a complete agenda, with enough information to alert and inform residents on what will be discussed at an upcoming council meeting? Also raised

was the possibility of an electronic subscription service, whereby a person would receive the agenda via email as provided by CNV. (Not to replace our concern that the newspaper does not consistently provide agendas.)

**ACTION: Corrie/John will follow up with Dave Stuart again.**

#### 5 (e) Waste to Energy (Item moved forward)

Lots of questions on where the District should go on this issue. Liquid and solid waste are both being discussed – they represent substantial energy potential. Upfront costs to take advantage of this potential are higher – what are the cost/benefits, and what are the political ramifications to go in this direction? Website

<http://www.seas.columbia.edu/earth/wtert/globalwte.html>

showing a number of energy from waste projects from around the world was reviewed. For us – will there be any unbiased and independent review?

**ACTION: Corrie/John to write a letter to Dave Stuart/copy to Council. Ask that they make recent reports on this issue available to the public.**

## 4. Correspondence Issues

### 4.1 Business arising from 11 regular emails:

On the Solid Waste Removal bylaw, (see letter by Brian Platts - [http://www.fonvca.org/letters/2012/16jan-to/Brian\\_Platts\\_21jan2012.pdf](http://www.fonvca.org/letters/2012/16jan-to/Brian_Platts_21jan2012.pdf)) staff wanted a stricter set of regulations, which Council did not pass since they felt it was not needed at this time and that “education” was the best tool. Many homes only have carports – so what would be the cost for a homeowner to build such a “wildlife resistant enclosure”? – some examples shown, many quite costly.

[http://www.rdosmaps.bc.ca/min\\_bylaws/ES/solid\\_waste/Bears\\_resistant\\_enclosures.pdf](http://www.rdosmaps.bc.ca/min_bylaws/ES/solid_waste/Bears_resistant_enclosures.pdf)

(What would be the specifications/how can an enclosure be “tested”?) This issue is on hold for the moment, pending more investigation and demonstrated need.

### 4.2 Non-Posted letters – 0 this period

### 4.3 Roundtable on “Current Affairs”

A period of roughly 30 minutes for association members to exchange information of common concerns.

Diana Belhouse- reports that their association has reactivated recently – some issues that are getting residents’ attention – Delbrook/William Griffin Centres. Balmoral School-change of use and parking and other issues arising. Concerns surrounding transparency – only Braemar parents were invited to a meeting by the School Board on the topic of change of use of Balmoral-surrounding residents found only through other channels and very late!

a) **Doug Curran: 7 Trends for planning Post-Oil Cities**  
[http://sustainablecitiescollective.com/big-city/31982/seven-trends-planning-post-oil-cities?ref=node\\_other\\_posts\\_by](http://sustainablecitiescollective.com/big-city/31982/seven-trends-planning-post-oil-cities?ref=node_other_posts_by)  
[http://www.fonvca.org/letters/2011/14nov-to/Doug\\_Curran\\_1dec2011.pdf](http://www.fonvca.org/letters/2011/14nov-to/Doug_Curran_1dec2011.pdf)

No discussion.

b) **Corrie Kost: Improving Voter Turn-Out**

We should show young people, in a non-partisan way, just how much local governments influence their daily lives.

Encourage the formation of non-partisan young democracy clubs. Get them to nominate a monthly or quarterly speaker, hold debates on issues of their choice, etc.

<http://www.fonvca.org/agendas/jan2012/The%20democracy%20gap%20%97%20how%20did%20not%20voting%20become%20preferred%20option.pdf>

**c) Eric Andersen:**

-Cool Neighbourhood.

-Traffic & Safety Meeting.

No discussion since Eric was unable to attend.

Tabled for February meeting.

**d) John Hunter**

“Living Wage”, as per attachment was lightly discussed

- Only mandated by New Westminster.

- Some pros and cons discussed.

## 5. NEW BUSINESS

### Council and other District issues.

a) Council Advisory Committees become Staff Advisory Committees.

A lot of concern over how many committees have been disbanded, or become a committee of staff. Staff committees are not required to be open to the public. The remaining committees of council are for the most part those that are mandated for a municipality to have. There is a definite cost/trade off with public accountability with this change by District council.

**Motion: “That FONVCA advise Council of our concern whereby many District committees have been changed from Committees of Council to committees of staff – in that it may bar or serve to inhibit public involvement and transparency. FONVCA therefore recommends that these committee meetings be open to the public. Council may wish to consider providing these committees the authority to go in-camera, under the same provisions of in-camera Council and Committees of Council meetings.”** Moved by John Hunter, Seconded by Lyle Craver. Carried unanimously.

**b) Parks and Open Space Strategic Plan (POSSP)**

70p released Dec 14/2011 (and its 87p Background Document) - requires feedback by January 27/2012.

<http://www.dnv.org/article.asp?a=5244>

Some at meeting were unaware of this latest development – and it was felt that the process for this had been overshadowed by the OCP over the past couple of years

**c) BC Municipal Spending Watch 2011**

<http://www.cfib-fcei.ca/english/article/3422-bc-municipal-spending-watch-2011-it-s-getting-worse.html> for information only.

**d) CNV & DNV could ban parking charges at LGH?**

<http://www.vancouversun.com/health/Doctors+urge+free+hospital+parking+patients/5780681/story.html>  
<http://www.northshoreoutlook.com/news/134697273.html>

It remains to be seen what action the two municipalities will take on this.

**e) Waste to Energy** - moved to early in meeting.

**f) Housing Backgrounder** - by Robyn Newton

<http://www.fonvca.org/agendas/jan2012/HOUSING%20BACKGROUND%20R%20final.pdf>

- made available for review by FONVCA members

## 6. ANY OTHER BUSINESS

### 6.1 Legal Issues

**a) Earthquake Insurance – issue of deductible**

\$1m coverage with 5% deductible means you pay first \$50,000

Eg. For \$100,000 damage the deductible is really 50%

The policy should clearly state the deductible as \$\$\$ not %!

Many residents may be unaware of how the deductible is calculated on homeowner earthquake insurance!

**b) Liability of Dog Owners:** ~460,000 Canadians are bitten each year- mostly children. Dog bites form a large fraction of home insurance claims!

<http://www.park.ca/content/newsletter/10.10/fido-liability.php>

<http://www.waterstonelaw.com/practice-areas/personal-injury/dog-bites/>

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1686260/pdf/canvetj00356-0049.pdf>

Distributed for information...

### 6.2 Any Other Issues (2 min each)

**a) News-Clips for current month**

<http://www.fonvca.org/agendas/jan2012/news-clips/>

**b) Location based Community Consultation Platform**

<http://www.placespeak.com/>

- place to express your opinion on local issues/topics

**c) Bicycles and Sustainability**

<http://thisbigcity.net/category/bicycle/>

**d) Build your own Bear-Resistant Garbage Enclosures**

[http://www.rdosmaps.bc.ca/min\\_bylaws/ES/solid\\_waste/Bears\\_resistant\\_enclosures.pdf](http://www.rdosmaps.bc.ca/min_bylaws/ES/solid_waste/Bears_resistant_enclosures.pdf)

**e) Climate Change 2011: Status report on US policy**

<http://bos.sagepub.com/content/68/1/39>

**f) BC Government Proposed Changes to Society Act –**

John Hunter – Anyone involved in a society should become informed on the proposed changes - public comments to be made by April 30/2012

[http://www.fin.gov.bc.ca/cep/fcsp/society\\_act\\_discussion.htm](http://www.fin.gov.bc.ca/cep/fcsp/society_act_discussion.htm)

## 7. CHAIR AND DATE OF NEXT MEETING

**Wednesday February 15<sup>th</sup> 2012 ← WEDNESDAY !**

Chair: Dan Ellis – Lynn Valley C.A. Notetaker: ??

There was a discussion near the end of meeting about having a member of council attend (rotation or regular) FONVCA meetings to provide more timely feedback on issues than our council-shirtsleeve sessions. – Item tabled to next meeting.

Meeting adjourned ~ 9:00 PM.

**Subject:** Re: FONVCA meeting 7pm Wed Feb 15th

**From:** Capilano Gateway Association <capgatewayassoc@gmail.com>

**Date:** 08/02/2012 1:38 PM

**To:** Corrie Kost <corrie@kost.ca>

**CC:** Brian Platts <bplatts@shaw.ca>, Chris Sallis <csallis@vcc.ca>, Dan Ellis <ellis7880@shaw.ca>, Del Kristalovich <clarity2001@shaw.ca>, Dennis Bevington <dennis\_bevington@sfu.ca>, Det Schmidt <dets@orb-satelite.com>, Eric Andersen <EricGAndersen@shaw.ca>, FONVCA <fonvca@fonvca.org>, John Hunter <hunterjohn@telus.net>, John Miller <jlmmam@shaw.ca>, Katherine Fagerlund <ekfagerlund@telus.net>, Lyle Craver <lcraver@shaw.ca>, Maureen Bragg <m.bragg@shaw.ca>, Norm Epp <normepp@shaw.ca>, Paul Tubb <petubb@hotmail.com>, Robin Hicks <HicksR@dnv.org>

Hello Corrie,

**Membership criteria of community associations - who joins, who has a right of membership?**

For the upcoming Feb 15th meeting I would like to see the above item/question presented for discussion. Currently we have some associations who has memberships that invite and encourage business and corporate entities within their area to be part of their community associations. Other groups have identified themselves as representing only one particular group, for example, single family homeowners.

As the DNV seeks to change its demographic makeup and profile, it requires that community associations address the question of who they represent and how do they engage their respective communities. This is important if in fact associations are going to credibly promote themselves as being the voice of the community. I think this discussion is important for the FONVCA members to engage.

thanks, Doug

On Mon, Feb 6, 2012 at 11:13 PM, Corrie Kost <[corrie@kost.ca](mailto:corrie@kost.ca)> wrote:

Dear FONVCA Member,

Just a heads-up that the next FONVCA meeting will be held at the DNV Hall 7pm-9pm  
WEDNESDAY February 15th

Please email me any agenda items (preferably with background material/links) by Sunday  
February 12th.

Yours truly,

Corrie Kost  
[corrie@kost.ca](mailto:corrie@kost.ca)



## Procedures for FONVCA , the Federation of North Vancouver Community Associations

Note: "The Federation" refers to the organization named in this document. "Council" refers to the Corporation of the District of North Vancouver. "Members" are North Vancouver Community Associations meeting the Membership Criteria described below. "Representatives" are those individuals sent to a Federations meeting by a Member Association.

**Boundaries:** The Federation considers its boundaries to be those of the District of North Vancouver. Any Association partly or fully inside these boundaries is eligible for membership. Those fully inside the City of North Vancouver are welcome to join as non-voting participants.

**Mandate:** The mandate of the Federation is to improve the quality of life in our neighbourhoods. Furthermore, the Federation is a forum for the common concerns of member associations and its purpose is to strengthen these organizations through the sharing of information and experience. Full autonomy of each Community Association is to be maintained.

**Attendees:** Each Community Association may send up to two duly authorized representatives to each meeting. One vote per Association.

**Officers:** The Federation will register with Council the names, addresses, and phone numbers of the members and will update this information when changes occur. The **Chair** rotates among member organizations at each meeting. The Chair of the next meeting is chosen at each meeting and this person arranges the agenda with other representatives and provides for minutes, agendas, and copies of necessary materials. The Chair will provide a general mailing address for the Federation, although representatives with specific tasks assigned by the Federation may use their own mailing addresses. The Chair arranges meeting times and places (normally District Hall on the third **Thursday** of each month September-June, at 7:00PM). Council will inform the Federation Chair of any other group in the described geographic area which is making representation.

**Communications:** There will be regular communications of the activities of the Federation with the member Associations through reports to these associations by their representatives. All communications between the Federation and Council will be open. The September meeting will be considered the Annual General Meeting. The Federation will provide Council with the necessary information regarding the time and place where the AGM will be held. This would be an open meeting.

**Records:** Records of the Federation will be kept.

**Members Concerns:** The process by which member Associations may bring concerns to the Federation is to ask a Representative to move that the concern be an agenda item of a Federation meeting. The Federation is not bound to discuss any issue - whether arising out of the concerns of an individual, Association, municipal staff, or Council, unless a majority of Representatives wish it. Guests may be invited to make representations to a Federation meeting if that is approved by a majority of the Representatives attending a previous meeting, or if, subsequently, two-thirds of those attending the previous meeting agree.

**Membership Criteria:** Membership is based on meeting the criteria, as outlined below, according to majority assent by the Representatives.

### FONVCA Criteria for Official Recognition of a Community Association

*- A mandate which included improving the quality of life in the neighbourhood.*

*- Membership is open to all persons residing in a general geographic area described as follows...*

*- The Association\* will register with Council\*\* the names and phone numbers of all officers and directors and will update this information when changes occur. The Council will inform the Association of any other group in the described geographical area which is making representations.*

*- There will be a regular communication of the activities of the Community Association with the members.*

*- There must be a duly advertised and open AGM.*

*- Records of the Association are kept as follows...*

*- The process by which residents may bring concerns to the Association is as follows:...*

\* Association refers to the community Association named in the Procedures for FONVCA, the Federation of North Vancouver Community Associations

\*\* Council refers to District of North Vancouver and/or City of North Vancouver Council as applicable.

Changed to Wednesday starting in Feb 2012

Registered Date: \_\_\_\_\_

By District of North Vancouver	By The Federation

FONVCA Agenda Item 4.3(a) - addendum material

**Subject:** Training Workshops in parliamentary process and meetings

**From:** Douglas Curran <dougcurran@shaw.ca>

**Date:** 13/02/2012 3:17 PM

**To:** Corrie Kost <corrie@kost.ca>, fonvca@fonvca.org

Corrie,

If there is sufficient time to add the attached to the Feb. 14 meeting Agenda it would be appreciated. I have suggested similar training to DNV administration as being of value to the proper community engagement process for the DNV.

Please add this item to the Agenda for discussion where time permits, or alternatively for the forthcoming FONVCA meeting.

thank you,

Doug

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Douglas Curran  
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www.dougcurranphotos.com

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— Attachments: —

Eli Mina Wkshp for CNV.doc

81.0 KB



# memo



To All City of North Vancouver Staff and City of North Vancouver  
Appointees of CNV Committees, Commissions & Boards

From Robyn G. Anderson

**Two Evening Workshop –Meetings & Rules of Order**

Re “Making Meetings Work” – Wednesday, March 30, 2011  
*A workshop on meeting dynamics*  
and  
“Rules of Order Demystified” – Thursday, March 31, 2011  
*A workshop on rules of order*

Date February 15, 2011

File 0360-01/2011

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The City is sponsoring a two evening workshop on Meetings and Rules of Order from 6:00 p.m. to 9:00 p.m. on March 30<sup>th</sup> and March 31<sup>st</sup>, 2011 in Conference Room A & B. The workshop is led by Registered Parliamentarian, Mr. Eli Mina. A light sandwich dinner will be served on both evenings at 5:30 p.m., with sessions to commence at 6:00 p.m.

We welcome all new City of North Vancouver committee appointees to take advantage of this opportunity.

The City will host the seminar and cover the cost of refreshments, but unfortunately cannot pay overtime wages. You are on your own time, so registration is voluntary. As registration is open on a first come, first serve basis, please register early.

Attendance at both evenings is preferred, although registration for either March 30<sup>th</sup> or March 31<sup>st</sup> will be accepted.

An outline of the two evening Workshop “Meetings & Rules of Order” is attached.

## **Two Evening Workshop – “Meetings & Rules of Order”**

### **“Making Meetings Work” – Wednesday, March 30, 2011**

*A workshop on meeting dynamics*

### **“Rules of Order Demystified” – Thursday, March 31, 2011**

*A workshop on rules of order*

Led by: Mr. Eli Mina, Registered Parliamentarian

Location: Conference Room A & B, City Hall, 141 West 14<sup>th</sup> Street, North Vancouver

Schedule: March 30<sup>th</sup> and March 31<sup>st</sup>, 2011  
5:30 p.m. (Light Supper); (Workshop) 6:00 p.m. to 9:00 p.m.

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### ***Workshop Outline:***

#### **Part 1: “Making Meetings Work” – Wednesday, March 30, 2011**

- Goals of shared decision-making
- Typical meeting problems and how to address them
- Ten key ingredients of a successful meeting
- Roles of meeting participants
- Roles of the meeting chair
- Handling challenging situations in meetings

#### **Part 2: “Rules of Order Demystified” – Thursday, March 31, 2011**

- Shifting the focus from rules to principles
- De-formalizing the process by using unanimous consent
- Majority; abstentions; tie votes
- Main motions; amendments; other procedures
- Rules for debates; “Calling the Question”
- Chair’s debating and voting rights

FONVCA Agenda Item 5.1

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## Census Profile

[Data table](#) | [Download](#) | [Map](#) | [Hierarchy](#) | [Help](#)

**West Vancouver, District municipality**  
British Columbia  
(Census Subdivision)  
[Change geography](#)

**Greater Vancouver, RD**  
British Columbia  
(Census division)  
[Change geography](#)

Average growth rate about 0.25%/yr

Population and dwelling counts	West Vancouver, DM	Greater Vancouver, RD
Population in 2011 <sup>1</sup>	42,694	2,313,328
Population in 2006 <sup>1</sup>	42,131	2,116,581
<b>2006 to 2011 population change (%)</b>	<b>1.3</b>	9.3
Total private dwellings <sup>2</sup>	18,670	949,565
Private dwellings occupied by usual residents <sup>3</sup>	17,074	891,336
Population density per square kilometre	489.3	802.5
Land area (square km)	87.26	2,882.55

 [Definitions, sources and symbols](#)

**Source:** Statistics Canada, 2011 Census of Population.

**How to cite:** Statistics Canada. 2012. *West Vancouver, British Columbia (Code 5915055) and Greater Vancouver, British Columbia (Code 5915)* (table). *Census Profile*. 2011 Census. Statistics Canada Catalogue no. 98-316-XWE. Ottawa. Released February 8, 2012. <http://www12.statcan.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E> (accessed February 8, 2012).

Date Modified: 2012-01-02

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## Census Profile

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### North Vancouver, City

British Columbia  
(Census Subdivision)

[Change geography](#)

### Greater Vancouver, RD

British Columbia  
(Census division)

[Change geography](#)

	North Vancouver, CY	Greater Vancouver, RD
<b>Population and dwelling counts</b>		
Population in 2011 <sup>1</sup>	48,196	2,313,328
Population in 2006 <sup>1</sup>	45,165	2,116,581
2006 to 2011 population change (%)	6.7	9.3
Total private dwellings <sup>2</sup>	24,206	949,565
Private dwellings occupied by usual residents <sup>3</sup>	22,789	891,336
Population density per square kilometre	4,073.8	802.5
Land area (square km)	11.83	2,882.55

Average yearly  
growth rate 1.3%

 [Definitions, sources and symbols](#)

**Source:** Statistics Canada, 2011 Census of Population.

**How to cite:** Statistics Canada. 2012. *North Vancouver, British Columbia (Code 5915051) and Greater Vancouver, British Columbia (Code 5915) (table). Census Profile. 2011 Census. Statistics Canada Catalogue no. 98-316-XWE. Ottawa. Released February 8, 2012. <http://www12.statcan.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E> (accessed February 8, 2012).*

Date Modified: 2012-02-01

FONVCA Agenda Item 5.1

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## Census Profile

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**North Vancouver, District municipality**  
British Columbia  
(Census Subdivision)  
[Change geography](#)

**Greater Vancouver, RD**  
British Columbia  
(Census division)  
[Change geography](#)

Average yearly growth rate < 0.5%/year

Population and dwelling counts	North Vancouver, DM	Greater Vancouver, RD
Population in 2011 <sup>1</sup>	84,412	2,313,328
Population in 2006 <sup>1</sup>	82,562	2,116,581
2006 to 2011 population change (%)	2.2	9.3
Total private dwellings <sup>2</sup>	31,741	949,565
Private dwellings occupied by usual residents <sup>3</sup>	30,553	891,336
Population density per square kilometre	525.1	802.5
Land area (square km)	160.76	2,882.55

[Definitions, sources and symbols](#)

**Source:** Statistics Canada, 2011 Census of Population.

**How to cite:** Statistics Canada. 2012. *North Vancouver, British Columbia (Code 5915046) and Greater Vancouver, British Columbia (Code 5915)* (table). *Census Profile*. 2011 Census. Statistics Canada Catalogue no. 98-316-XWE. Ottawa. Released February 8, 2012. <http://www12.statcan.ca/census-recensement/2011/dp-pd/prof/index.cfm?Lang=E> (accessed February 8, 2012).

Date Modified: 2012-01-02

**Note: If we combined CNV with DNV we get**  
 $(48196+84412) / (45165+82562) = 1.0382$   
 ie. combined growth 3.82% in 5 yrs ie. **0.76%/year**

## FONVCA Agenda Item 5.1

[Home](#) > [2011 Census](#) > [Data products](#) > [Population and dwelling counts](#) >

**Population and dwelling counts, for Canada, census metropolitan areas, census agglomerations and census subdivisions (municipalities), 2011 and 2006 censuses**

Geographic name	Type <sup>1</sup>	Population			Private dwellings, 2011			Land area in square kilometres, 2011	Population density per square kilometre, 2011	CMA, CA, CSD population rank, 2011	
		2011	2006	% change	Total	Occupied by usual residents	National			Prov. / Terr.	
<b>Canada</b> †		<b>33,476,688</b>	<b>31,612,897</b>	<b>5.9</b>	<b>14,569,633</b>	<b>13,320,614</b>	<b>8,965,121.42</b>	<b>3.7</b>			
<b>Vancouver</b>	<b>CMA</b>	<b>2,313,328</b>	<b>2,116,581</b>	<b>9.3</b>	<b>949,565</b>	<b>891,336</b>	<b>2,882.55</b>	<b>802.5</b>	<b>3</b>	<b>1</b>	
Anmore	VL	2,092	1,785	17.2	706	628	28.24	74.1	1,289	185	
Barnston Island 3	IRI	0	49	-100.0	1	1	0.58	0.0	4,932	657	
Belcarra	VL	644	676	-4.7	292	268	5.50	117.1	2,684	298	
Bowen Island	IM	3,402	3,362	1.2	1,760	1,345	50.14	67.9	931	138	
Burnaby	CY	223,218	202,799	10.1	91,383	86,839	90.61	2,463.5	20	3	
Burrard Inlet 3	IRI	1,472	1,405	4.8	780	729	1.06	1,393.4	1,623	233	
Capilano 5	IRI	2,700	2,492	8.3	1,375	1,316	1.72	1,572.2	1,085	160	
Coquitlam	CY	126,456	114,565	10.4	48,083	45,553	122.30	1,034.0	39	6	
Coquitlam 1	IRI	39	24	62.5	13	13	0.02	2,228.6	4,645	532	
Coquitlam 2	IRI	5	5	0.0	1	1	0.81	6.2	4,853	615	
Delta	DM	99,863	96,635 <sup>A</sup>	3.3	35,781	34,755	180.11	554.4	51	10	
Greater Vancouver A	RDA	13,035	11,050	18.0	6,063	5,041	815.59	16.0	300	45	
Katzie 1	IRI	229	246	-6.9	67	65	0.42	540.2	3,889	386	
Katzie 2	IRI	0	37	-100.0	1	1	0.31	0.0	4,932	657	
Langley	CY	25,081	23,606 <sup>E</sup>	6.2	11,810	11,315	10.22	2,454.6	165	30	
Langley	DM	104,177	93,726	11.2	39,114	37,237	308.03	338.2	49	9	
Langley 5	IRI	0	0	...	0	0	1.30	0.0	4,932	657	
Lions Bay	VL	1,318	1,328	-0.8	556	507	2.53	520.2	1,741	248	
Maple Ridge	DM	76,052	68,949	10.3	29,158	28,044	266.78	285.1	72	16	
Matsqui 4	IRI	498	426	16.9	284	280	0.28	1,777.3	3,013	321	
McMillan Island 6	IRI	68	63	7.9	26	23	1.78	38.1	4,517	501	
Mission 1	IRI	574	569	0.9	173	171	0.28	2,067.7	2,821	310	
Musqueam 2	IRI	1,569	1,371	14.4	556	544	1.84	853.2	1,571	224	
Musqueam 4	IRI	5	5	0.0	2	2	0.53	9.4	4,853	615	
New Westminster	CY	65,976	58,549	12.7	32,605	30,586	15.63	4,222.2	81	18	
North Vancouver	CY	48,196	45,165	6.7	24,206	22,789	11.83	4,073.8	100	20	
<b>North Vancouver</b>	<b>DM</b>	<b>84,412</b>	<b>82,562</b>	<b>2.2</b>	<b>31,741</b>	<b>30,553</b>	<b>160.76</b>	<b>525.1</b>	<b>61</b>	<b>12</b>	
Pitt Meadows	CY	17,736	15,623	13.5	7,013	6,718	86.51	205.0	234	37	
Port Coquitlam	CY	56,342	52,687	6.9	21,533	20,651	29.17	1,931.3	89	19	
Port Moody	CY	32,975	27,512	19.9	12,989	12,628	25.89	1,273.8	132	24	
Richmond	CY	190,473	174,461	9.2	71,170	67,976	129.27	1,473.5	25	4	
Semiahmoo	IRI	108	109	-0.9	75	63	1.33	81.3	4,328	452	
Seymour Creek 2	IRI	107	75	42.7	33	31	0.49	218.1	4,335	454	
Surrey	CY	468,251	394,976	18.6	163,986	152,847	316.41	1,479.9	12	2	
Tsawwassen	IRI	720	762 <sup>A</sup>	-5.5	319	303	6.55	110.0	2,526	289	
Vancouver	CY	603,502	578,041	4.4	286,742	264,573	114.97	5,249.1	8	1	
West Vancouver	DM	42,694	42,131	1.3	18,670	17,074	87.26	489.3	111	21	
White Rock	CY	19,339	18,755	3.1	10,498	9,866	5.13	3,773.5	209	32	
Whonnock 1	IRI	0	0	...	0	0	0.39	0.0	4,932	657	

**Note:**

1. Census subdivisions (CSDs) are classified into 54 types according to official designations adopted by provincial/territorial or federal authorities. Two exceptions are 'subdivision of unorganized' (SNO) in Newfoundland and Labrador, and 'subdivision of county municipality' (SC) in Nova Scotia, which are geographic areas created as equivalents for municipalities by Statistics Canada, in cooperation with those provinces, for the purpose of disseminating statistical data.

**Symbols**

- ... not applicable
- † excludes census data for one or more incompletely enumerated Indian reserves or Indian settlements. For further information, refer to [Notes](#).
- ¶ incompletely enumerated Indian reserve or Indian settlement. For further information, refer to [Notes](#).
- A adjusted figure due to boundary change. For further information, refer to [Content considerations](#).
- E use with caution. For further information, refer to [Cautionary note](#).

Date Modified: 1931-01-12



<http://www.nsnews.com/life/Local+survey+results/6104615/story.html>

## Local survey results are in

**FONVCA Agenda Item 5.2**

BY TOM CARNEY, SPECIAL TO NORTH SHORE NEWS FEBRUARY 5, 2012 9:38 AM



Lionsview Seniors' Planning Society's Jane Osborne and Tom Carney review the results of a recent survey focused on meeting the needs of North Shore seniors.

**Photograph by:** NEWS photo, Mike Wakefield

TWELVE hundred and then some!

That's how many seniors filled out the seniors survey that blanketed the North Shore last fall. You may have filled out a survey yourself or known someone who did. Titled Seniors Today - Building a Better Tomorrow, the survey was sponsored by the Lionsview Seniors' Planning Society.

An extensive network of volunteers worked with seniors to help them fill out the survey or complete it online. The survey was based on an approach used by the World Health Organization to gather input on what seniors need to remain healthy, happy, independent and connected to each other in the community.

More than half of the survey respondents were female, a little more than two-thirds of respondents were in the age demographic 65-84 years of age, and while returns came in from all three North Shore municipalities, the survey proved to be most popular with residents in the District of North Vancouver.

So what did seniors have to say? Well, overall seniors on the North Shore are a pretty happy bunch. More than 94 per cent of the survey respondents said they like living on the North Shore and want to remain here. But with almost half of seniors living alone and with a limited number of housing choices

available to them, many will be challenged to do so.

Seniors are generally satisfied with the affordability and availability of transportation on the North Shore and with our outdoor spaces and public buildings. Most of the respondents have a fairly strong support network of family and friends and felt fairly informed about community events.

Surprises? There were several. Almost half of the seniors surveyed don't know much or anything at all about Fair PharmaCare. Approximately three in 10 seniors surveyed have trouble paying their bills, four in 10 feel they do not socialize enough and less than two in 10 feel there is a very good awareness of seniors' needs.

What are the areas that need attention? More housing options, affordable housing, parking spaces, accessibility elements in public buildings, public safety and the lack of public toilets stand out. Loss of independence and declining health tops the list of worries for seniors. At the very bottom of the worry list: Death.

Now to quote one senior, this survey isn't worth, "A hill of beans," unless we do something with the data. We couldn't agree more. The Lionsview survey team is hosting a series of community workshops with seniors to share the results of the survey, solicit feedback and develop an action plan to address the issues identified in the survey.

We have conducted three workshops to date - one in each of the three North Shore municipalities. Four more afternoon workshops are scheduled between Feb. 6 and 17.

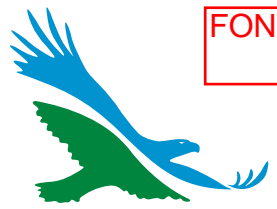
In March and April we will be meeting with service providers to gather their feedback on the issues raised in the survey. And, in June, Lionsview will produce a final report summarizing the process and outcomes and present recommendations for age-friendly initiatives to be implemented in 2013.

How do we turn what we learned from the survey into an age-friendly action plan?

One idea that is proving to be popular is to develop a series of neighbourhood-based Seniors Action Tables (SATs). The SATs would involve seniors or groups of seniors in local service planning. It's one of several interesting ideas to come out of the workshops but it's really up to seniors in the community to decide the next steps. Whatever action is taken, we need to ensure that seniors' voices drive future action. Lionsview can't do this alone. We are currently looking for seniors and groups of seniors to take a leadership role in developing age-friendly initiatives and projects to respond to the issues identified in the survey. If you want to get involved or learn more, give us a call.

The survey results, in English and Farsi, as well as full details on the upcoming community workshops, are posted on the Lionsview website, at [www.lionsviewseniorsplanning.com](http://www.lionsviewseniorsplanning.com). You can get more information and register for one of the upcoming workshops by calling Margaret Coates, at 604-985-2324.

Tom Carney is the executive director of the Lionsview Seniors' Planning Society. Contact him at 604-985-3852 or send an email to [lions\\_view@telus.net](mailto:lions_view@telus.net).



NORTH VANCOUVER  
DISTRICT

# Financial Plan and Budget Process

## Your community, your budget



### What are the requirements?

All municipalities in B.C. must have a five-year financial plan (or budget) that is adopted annually, by bylaw, before the annual property tax bylaw is adopted. The financial plan must set out the following for each year of the planning period: the proposed expenditures by the municipality; the proposed funding sources; and the proposed transfers to or between funds.

### Why plan?

The District's amenities and services, including recreation facilities, garbage collection, road maintenance, police and fire protection are supported, in large part, by your tax dollars. Other revenue comes from user fees, investments, grants and other sources. Even with these revenue sources, the District is facing challenges similar to many municipalities across Canada. Community needs, operational costs, and requirements for capital infrastructure replacement are rising, but in many cases revenues are flat or even decreasing. Choices need to be made and that's where communities play a critical role.



### Our budget process

The District's draft financial plan will be introduced at the Council meeting on February 20, the first step in the public process. At this meeting District staff will provide an overview of the proposed operating budget, the issues and challenges facing the municipality and the proposed tax increase for 2012. Council will deliberate the budget in early March with adoption scheduled for early April. Your involvement and input are encouraged as we plan for the future.



### How you can take part!

There are many opportunities to learn about, and take part in, the District's budget process: review the draft budget (available February 21 online at [www.dnv.org/budget2012](http://www.dnv.org/budget2012), at District Hall, or any District Library), attend one of the budget meetings listed, provide your comments at the March 5 public input meeting, or by contacting us as follows:

Email: [budget@dnv.org](mailto:budget@dnv.org)  
Phone: 604-990-2302  
Fax: 604-987-7160  
Write: District of North Vancouver  
355 W. Queens Road  
North Vancouver, BC  
V7N 4N5  
**Attention:** Rick Danyluk  
Manager  
Financial Planning

## 2012 – 2016 Financial Plan Schedule

All meetings take place at District Hall, 355 West Queens Road

Date	Meeting Purpose	Time / Location	Comments
Monday, February 20	Budget presentation and introduction of the Draft Financial Plan Workbook	Council Chamber 7:00 p.m.	Regular Meeting of Council – overview of budget highlights and walk through the workbook
Thursday, February 23	Community Associations briefing	Meeting Room A 7:00 – 9:00 p.m.	Financial Plan Meeting
Monday, February 27	Tax Strategy update	Committee Room 7:00 – 9:00 p.m.	Council Workshop
Monday, March 5	Receive public input and Council opening remarks	Council Chamber 7:00 – 9:00 p.m.	Regular Meeting of Council – Financial Plan
Tuesday, March 6	Financial Plan deliberations	Committee Room 5:00 – 7:00 p.m.	Special Council Meeting – Financial Plan – Authority to proceed with the preparation of Financial Plan Bylaws
Thursday, March 8	Financial Plan deliberations (if required)	Committee Room 5:00 – 7:00 p.m.	Special Council Meeting
Monday, March 26	Proposed date for first three readings of Financial Plan Bylaws	Council Chamber 7:00 p.m.	Regular Council Meeting
Monday, April 2	Proposed date for final adoption of Financial Plan Bylaws	Council Chamber 7:00 p.m.	Regular Council Meeting
Tuesday, April 17	Tax Distribution Workshop	Committee Room 5:00 – 7:00 p.m.	Council Workshop
Monday, May 7	Proposed date for first three readings of Tax Rate Bylaw	Council Chamber 7:00 p.m.	Regular Council Meeting
Monday, May 14	Proposed date for final adoption of Tax Rate Bylaw	Council Chamber 6:30 p.m.	Special Council Meeting

3 February 2012

To Mayor Walton & Members of Council,

At the FONVCA meeting of Wednesday January 25<sup>th</sup> there was a discussion about the recent changes of having some Council Advisory Committees becoming Staff Advisory Committees. Subsequently, the members present unanimously approved the following motion:

*“That FONVCA advise Council of our concern whereby many District committees have been changed from Committees of Council to committees of staff – in that it may bar or serve to inhibit public involvement and transparency. FONVCA therefore recommends that these committee meetings be open to the public. Council may wish to consider providing these committees the authority to go in-camera, under the same provisions of in-camera Council and Committees of Council meetings.”*

Thank you for your consideration,

Yours truly,

Cathy Adams  
Notetaker pro-tem  
FONVCA

**Subject:** Fwd: RE: committees-letter  
**From:** Cathy Adams <CathyAdams@shaw.ca>  
**Date:** 11/02/2012 10:31 AM  
**To:** FONVCA <fonvca@fonvca.org>

Original-recipient: [rfc822;cathyadams@shaw.ca](mailto:rfc822;cathyadams@shaw.ca)

**From:** "Alan Nixon" <[nixona@dnv.org](mailto:nixona@dnv.org)>  
**To:** "Cathy Adams" <[CathyAdams@shaw.ca](mailto:CathyAdams@shaw.ca)>  
**Cc:** "Mayor and Council - DNV" <[Council@dnv.org](mailto:Council@dnv.org)>  
**Subject:** RE: committees-letter

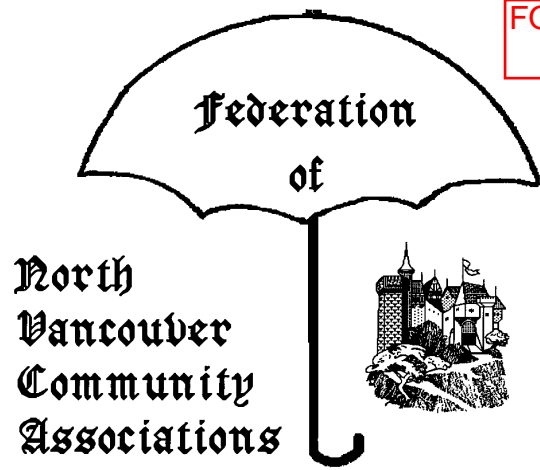
Hi Cathy! I agree 100% with FONVCA's recommendation.

-----Original Message-----

**From:** Cathy Adams [<mailto:CathyAdams@shaw.ca>]  
**Sent:** Thursday, February 09, 2012 9:28 AM  
**To:** Mayor and Council - DNV  
**Cc:** 'Federation of NV Community Assoc  
**Subject:** committees-letter

Attached is a letter sent on behalf of FONVCA - thank you, Cathy Adams





February 6, 2012

Mr. David Stuart  
 CAO  
 District of North Vancouver  
 By E-Mail

Dear Mr. Stuart

At the FONVCA meeting of January 25<sup>th</sup> a discussion took place on the issue of “Waste to Energy”.  
 Examples of such facilities were shown as found at the web site  
<http://www.seas.columbia.edu/earth/wtert/globalwte.html>

This issue has also been in the local news of late and some FONVCA members would like to access any relevant reports that may have been made available to Council so that the public could become more educated on this important alternative to traditional waste disposal techniques.

There was also a brief discussion of Metro Vancouver’s Integrated Resource Management program and if a status summary is available, that too would be appreciated.

Your assistance in this matter would be much appreciated.

Yours truly,

Corrie Kost & John Hunter  
 On behalf of FONVCA



August 2011

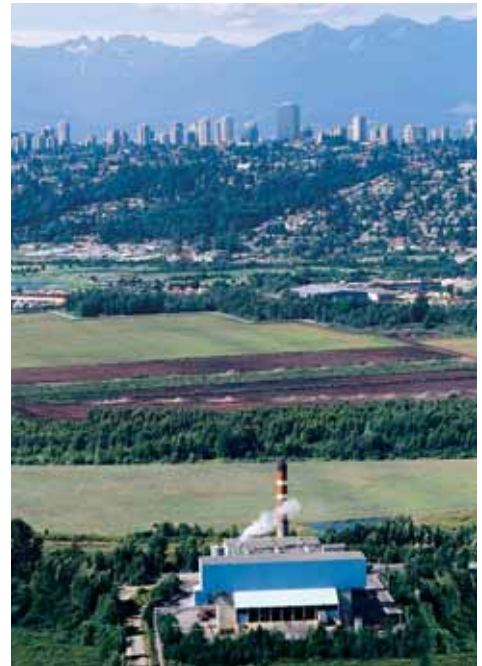
# Waste-to-Energy Facility

***Since opening in 1988, Metro Vancouver's Waste-to-Energy Facility (WTEF) has played an essential role in the region's solid waste management system. Owned by Metro Vancouver, the facility is operated and maintained by Covanta Burnaby Renewable Energy Inc. The facility ensures that garbage is managed in an environmentally safe manner, and generates renewable and valuable energy sources: steam and electricity.***

The Waste-to-Energy Facility (WTEF) is located in the commercial/industrial area of south Burnaby. It receives waste from Burnaby, New Westminster, and the North Shore and is responsible for the environmentally safe disposal of over 25 per cent of the region's waste.

Each year the WTEF turns 285,000 tonnes of garbage into steam and electricity. The steam is sold to a paper recycling facility, while the electricity sold to BC Hydro is enough to power 15,000 homes.

Strict regulations and environmental monitoring confirm that the WTEF is one of the cleanest facilities of its kind. The Solid Waste Association of North America (SWANA) recognizes it as one of the best facilities on the continent.



The WTEF in Burnaby.



This photo shows the WTEF with the steam line, which carries steam to an adjacent paper recycling mill and displaces their use of fossil fuel.

solid waste



**What goes in during a typical day:**

- 800 tonnes of garbage
- lime (to control acid gas emissions)
- ammonia (to control nitrogen oxide emissions)
- activated carbon (to control mercury emissions)
- phosphoric acid (added to stabilize metals in the fly ash and bottom ash)



**What comes out during a typical day:**

- 2740 tonnes of steam to supply the turbo generator, of which 600 tonnes is extracted and sold to the nearby paper recycling facility
- 400 megawatt-hours of electricity sold to BC Hydro to power homes and businesses
- 130 tonnes of bottom ash (used in road building and landfill cover)
- 30 tonnes of fly ash (disposed at landfill)
- 25 tonnes of metal (recycled into reinforcing steel)



Strict environmental testing and continuous emission monitoring show that the WTEF meets all regulatory standards.

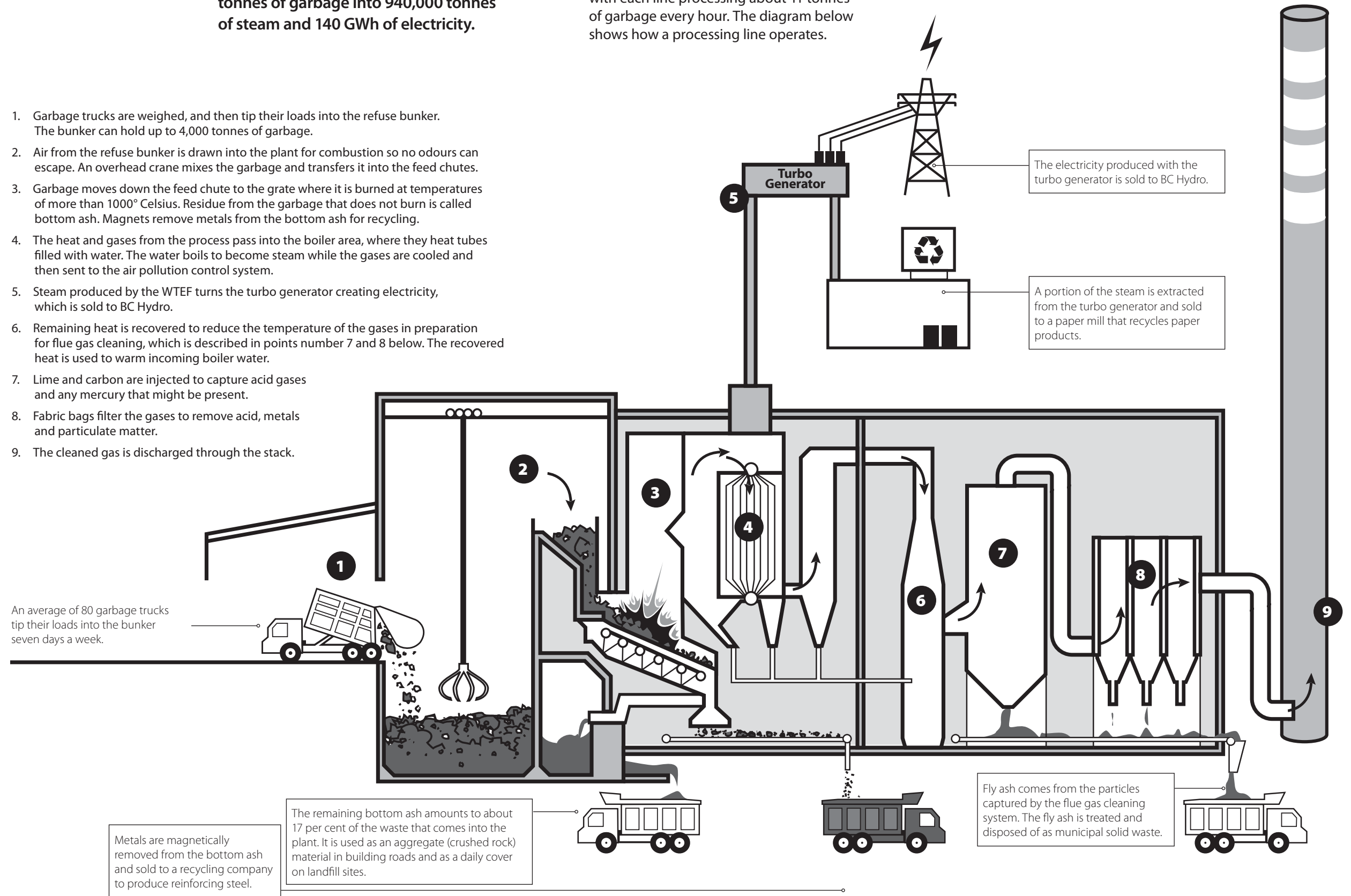
**The Waste-to-Energy Facility:**

**an efficient, environmentally responsible disposal process.**

Each year the WTEF turns 285,000 tonnes of garbage into 940,000 tonnes of steam and 140 GWh of electricity.

This facility has three processing lines, with each line processing about 11 tonnes of garbage every hour. The diagram below shows how a processing line operates.

1. Garbage trucks are weighed, and then tip their loads into the refuse bunker. The bunker can hold up to 4,000 tonnes of garbage.
2. Air from the refuse bunker is drawn into the plant for combustion so no odours can escape. An overhead crane mixes the garbage and transfers it into the feed chutes.
3. Garbage moves down the feed chute to the grate where it is burned at temperatures of more than 1000° Celsius. Residue from the garbage that does not burn is called bottom ash. Magnets remove metals from the bottom ash for recycling.
4. The heat and gases from the process pass into the boiler area, where they heat tubes filled with water. The water boils to become steam while the gases are cooled and then sent to the air pollution control system.
5. Steam produced by the WTEF turns the turbo generator creating electricity, which is sold to BC Hydro.
6. Remaining heat is recovered to reduce the temperature of the gases in preparation for flue gas cleaning, which is described in points number 7 and 8 below. The recovered heat is used to warm incoming boiler water.
7. Lime and carbon are injected to capture acid gases and any mercury that might be present.
8. Fabric bags filter the gases to remove acid, metals and particulate matter.
9. The cleaned gas is discharged through the stack.



An average of 80 garbage trucks tip their loads into the bunker seven days a week.

Metals are magnetically removed from the bottom ash and sold to a recycling company to produce reinforcing steel.

The remaining bottom ash amounts to about 17 per cent of the waste that comes into the plant. It is used as an aggregate (crushed rock) material in building roads and as a daily cover on landfill sites.

Fly ash comes from the particles captured by the flue gas cleaning system. The fly ash is treated and disposed of as municipal solid waste.

The electricity produced with the turbo generator is sold to BC Hydro.

A portion of the steam is extracted from the turbo generator and sold to a paper mill that recycles paper products.

## Strict standards for environmental protection

### ISO 14001

The WTEF is International Standard Organization (ISO) 14001 certified. This is an international environmental management protocol to ensure regulatory compliance, ongoing monitoring and continual improvements.

Fifty-five per cent of the waste generated in Metro Vancouver is currently recycled, and Metro Vancouver is committed to increasing this to seventy per cent by 2015.

To help all of us reduce our impact on the environment, the Metro Vancouver Board has adopted the "Zero Waste Challenge." The Zero Waste Challenge includes initiatives to encourage or require residents and businesses to reduce the amount of waste going in the garbage by creating less waste, recycling more, and reusing all that we can.



### Dioxins and Furans

Canada has the most stringent standard for dioxins and furans in the world. The WTEF's emissions are significantly below this level; so low that Environment Canada considers them unquantifiable by modern laboratory techniques.

### Mercury control

The WTEF has a carbon injection system designed to reduce mercury emissions. Mercury emissions at the plant are one-tenth of the Canada Wide Emissions Standard.

### NOx control

An ammonia injection system reduces nitrogen oxide (NOx) emissions.

### Zero liquid discharge

The WTEF has no discharges (excluding washrooms) to the sewer system. This means reduced impacts to the environment by minimizing water use and lowering demand on the sewer system.

### Air emission control

Strict control over combustion conditions, such as temperature and air flow, minimizes the amount of emissions. Environmental protection technology is then used to treat air emissions. These emissions are continuously monitored and regulated under provincial legislation.

Monthly reports are submitted to the Provincial Ministry of Environment, the City of Burnaby and the Fraser Health Authority.

Independent stack tests are performed on each processing line three times a year to test for acid gases, total hydrocarbons, metals and particulate matter.

### The Lower Fraser Valley Air Quality Monitoring Network

continuously monitors the ambient air environment at 30 sites throughout the Lower Mainland. No measurable impact has ever been found from the WTEF.

### For more information

For more information about the Waste-to-Energy Facility or to provide feedback, contact the Metro Vancouver Information Centre at:

Phone: 604-432-6200

Write: Metro Vancouver Contracted Services  
7th floor, 4330 Kingsway, Burnaby, B.C. V5H 4G8

Fax: 604-451-6180

E-mail: [icentre@metrovancover.org](mailto:icentre@metrovancover.org)

Website: [www.metrovancover.org/services/solidwaste](http://www.metrovancover.org/services/solidwaste)



FONVCA Agenda Item 5.5

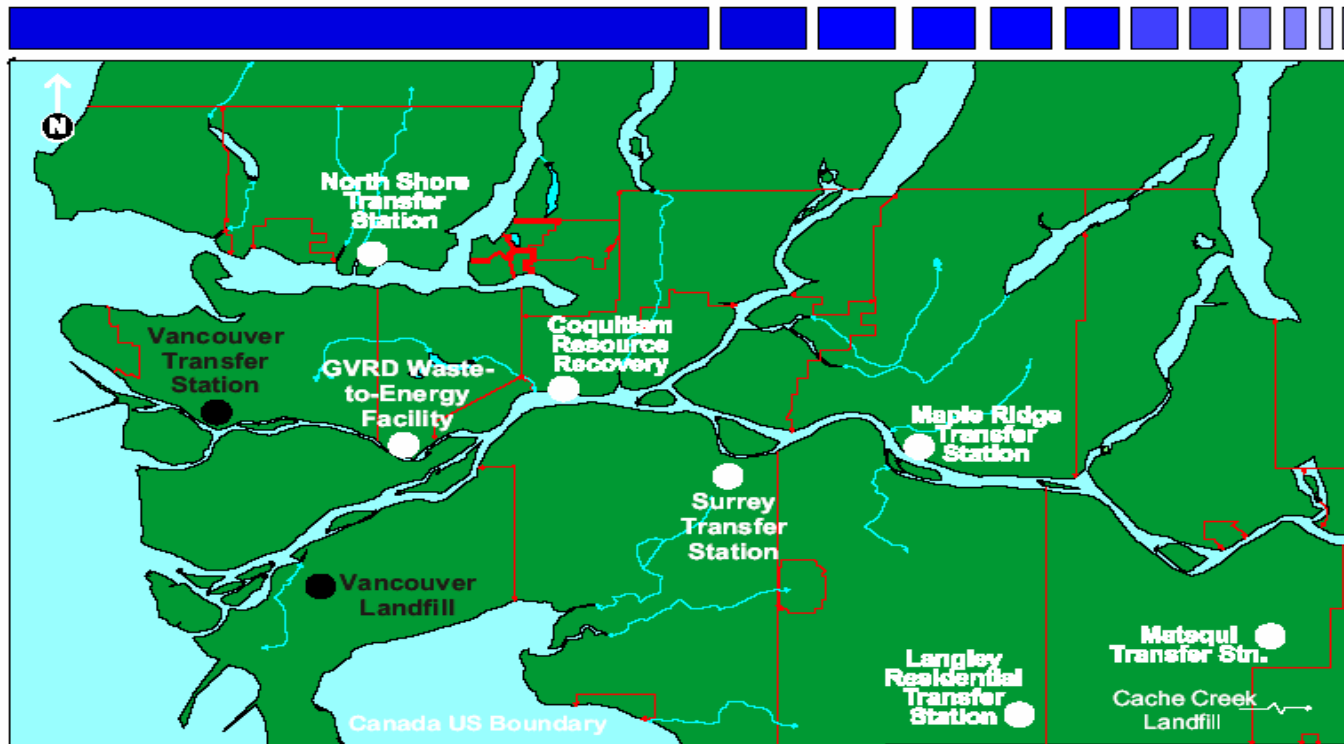
# Greater Vancouver Regional District

## Waste-to-Energy Facility



*Chantal Babensee*  
*Senior Engineer*

# The GVRD WTEF is part of an integrated Waste Management System





# Centrally Located in the GVRD





# A Quick Look Back....

- **Commercial operation started in 1988**
- **State-of-the-art combustion and air pollution control used**
- **Over 50% of the facility is dedicated to air pollution control**
- **Processed over 4.6 million tonnes of municipal solid waste since start-up on a 5 acre site**

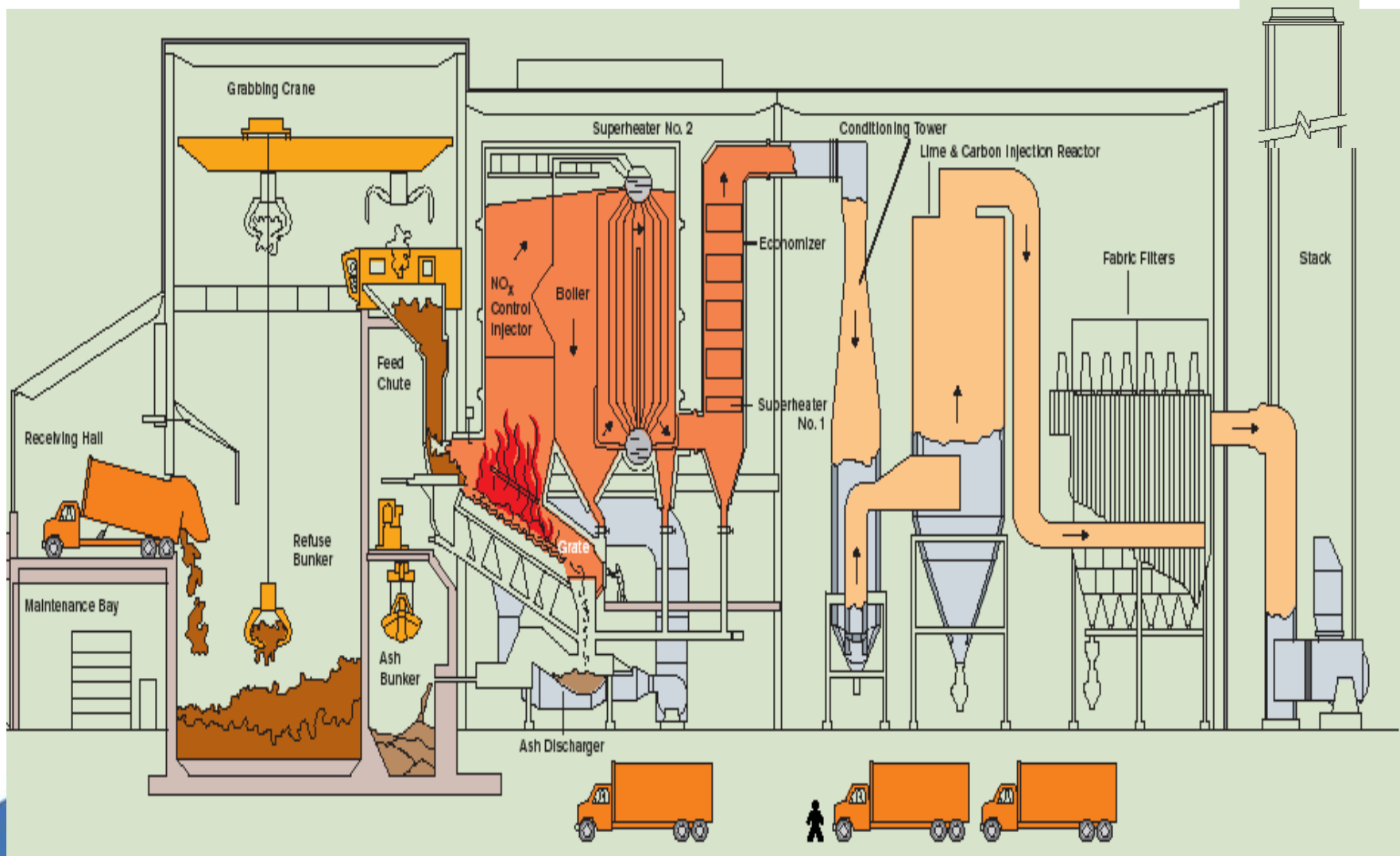


# Eco-Efficient Location

- Originally sited in 1985 to utilize steam through sales to a recycle paper mill
- Central location - minimizes haul length
- Future potential for further eco-efficiency

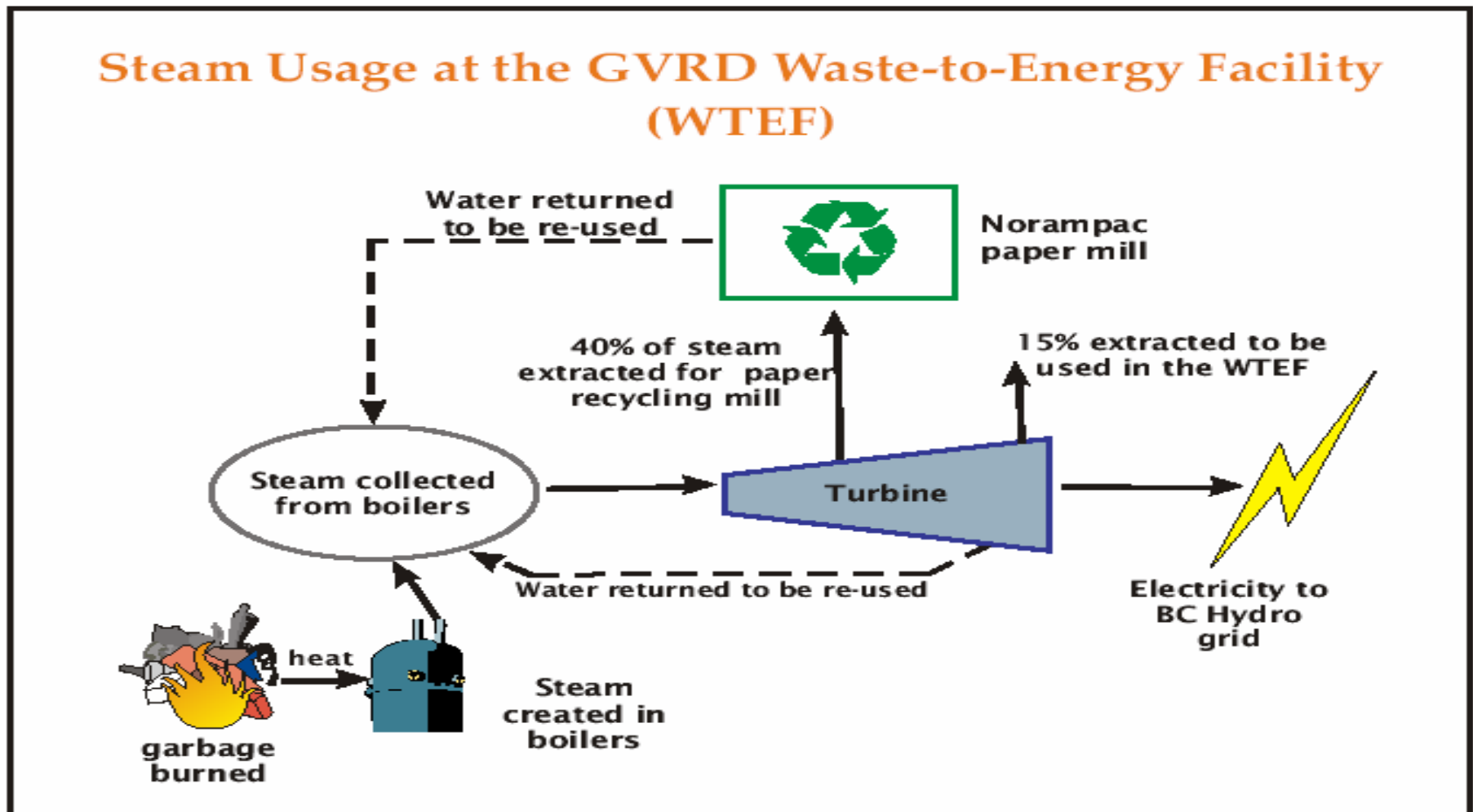


# Schematic of the GVRD WTEF



# Energy from Waste

MSW inherently has energy that can be used to create a sustainable benefit to the people of the Region





# GVRD WTEF and Norampac Inc.



Lex Engineering Ltd  
Aerial Photo  
Feb 22 2003



# Turbogenerator Installation





# Recognition



Honourable Richard Neufeld, BC Minister of Energy, Mines and Petroleum Resources presenting Canadian Institute of Energy Award

- Solid Waste Association of North America (SWANA) Award in 1990 for best facility
- ISO 14001 Certification in 1999
- Association of Professional Engineers and Geoscientists of BC inaugural Sustainability Award – 2003
- American Society of Mechanical Engineers Award for Large Waste-to-Energy Facility of the Year – 2004
- Power Smart Excellence Award – 2004
- Federation of Canadian Municipalities Sustainable Communities Award – 2004
- Canadian Institute of Energy Award - 2005



# Focus on Continuous Improvement

## Operational Examples

- ISO 14001 certification – 1999 and ongoing
- Control system upgrade – 1999
- Waste Composition Studies – 1998/2001/2004/2007
- Boiler Modifications – 2003
- Turbogenerator Installation – 2003
- Heat Recovery Upgrades - 2006



## Environmental Examples

- Carbon Injection System – 1993/2005
- Ammonia Injection System – 1996
- Flyash Stabilization System – 1999
- Zero Liquid Discharge – 2001
- Admin Building Upgrade - 2007

# Air Emissions



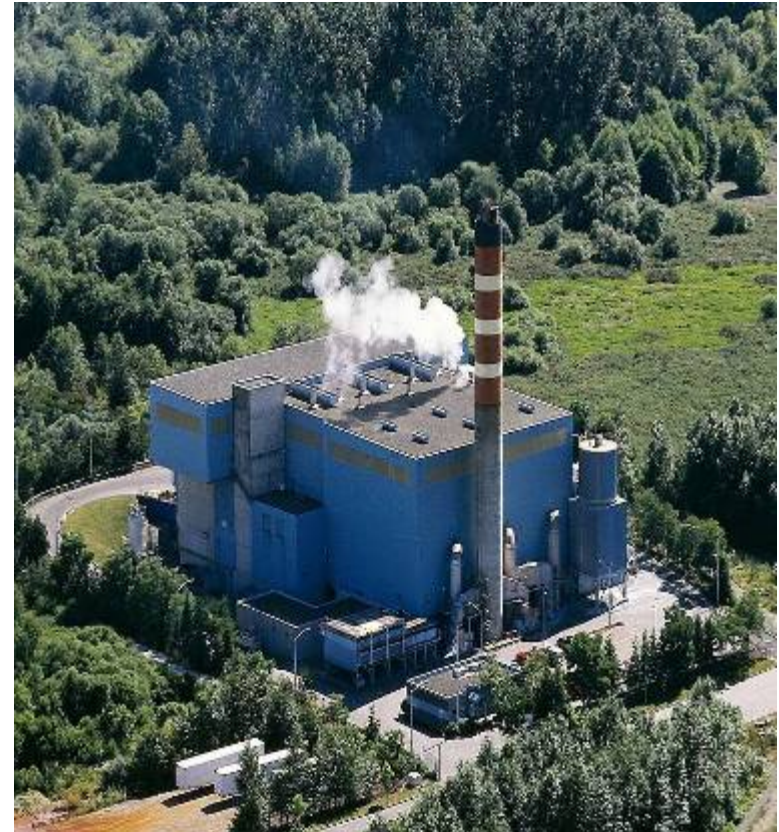
- **Continuous air emissions monitoring**
- **Within all regulated limits**
- **Small percentage of lower mainland emissions (highest is NO<sub>x</sub> at 1%)**
- **One of the cleanest facilities of its kind**





# Greenhouse Gases (GHG)

- All municipal solid waste disposal methods have GHG emissions, including composting
- 5th largest point source of GHG emissions in Fraser Valley airshed
- Offsets from energy recovery are greater than emissions



# Solid and Liquid Residues



- Zero liquid discharge (0%)
- Bottom Ash reused (18% of MSW disposed)
- Metal recovered (3% of MSW disposed)
- Fly ash disposed (4% of MSW disposed)





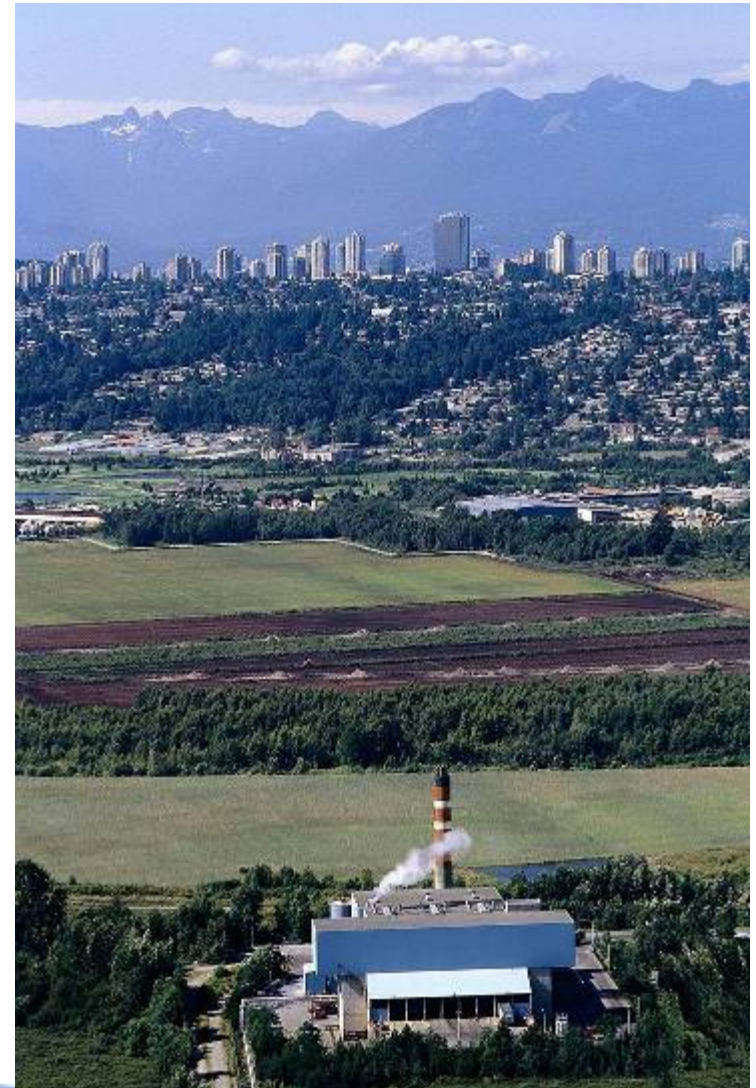


Over 700 people tour each year



# Benefits of WTE

- **Can be located in a dense urban centre**
- **Local disposal solution**
- **Source of renewable energy (Steam and electricity)**
- **Displace use of fossil fuels**





# Questions?



# West Vancouver expropriates two Ambleside lots

## District now owns 29 of the 32 Ambleside beachfront properties

BY JEREMY SHEPHERD, NORTH SHORE NEWS FEBRUARY 1, 2012



District of West Vancouver council voted last week to expropriate these two Argyle Avenue lots, likely for \$7.9 million, after two years of negotiation.

**Photograph by:** NEWS photo, Mike Wakefield

THE District of West Vancouver voted to take possession of two properties on Argyle Avenue last week in a bid to secure the waterfront for public use.

"I've been here six years," said Diana Mander, a renter in one of the properties. "It's pretty sad, but I understand."

The district started buying land at Ambleside's waterfront in 1975. If the expropriation of the lots at 1468 and 1472 Argyle Avenue is successful, the **district will own 29 of the 32 lots near the beach.**

Following the death of the owner of the Argyle properties two years ago, the district negotiated with the executor of the estate before deciding to expropriate following a closed vote.

"We've actually been in discussions with the executor for pretty much that entire two years," said Bob Sokol director of planning, lands, and permits for the district.

There were four beneficiaries of the estate, a circumstance that complicated negotiations, according to Sokol.

The district began expropriation proceedings last September to make certain the owner would only sell the property to the district.

"We kind of did that as a placeholder," Sokol said. "Generally, we have not needed to resort to expropriation."

The district voted to expropriate when they failed to strike a price with the executor.

"We offered them \$7.7 million. . . they finally responded to us about two weeks ago, and they asked \$9.2 million," Sokol said.

The owner and the district each received independent, nearly identical appraisals of approximately \$7.7 million in 2011, according to Sokol.

The executor lobbied for a two-year lease for one of the tenants and a guarantee the buildings would be torn down once the lease expired, according to Sokol.

If the owner does not request an expropriation hearing with an independent arbiter, the district has until Feb. 22 to buy the properties for \$7.9 million, according to Sokol.

The payment will come from the district's endowment fund.

Within 30 days of making the payment, the district takes ownership of the properties.

"We can require the tenants to move out," Sokol said, explaining that any leases would expire when the district takes ownership of the properties.

The district is planning to meet with the tenants to reach a suitable arrangement, according to Sokol.

Despite the inconvenience of being forced to move, Mander said she is both prepared and optimistic.

"This has been in the works for a long time," Mander said. "I love the idea that everyone's going to get to enjoy what we've had this privilege to enjoy."

District policy mandates the waterfront be used for public green space, playgrounds, community recreation facilities, the seawall, food concessions, and ancillary parking.

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