

**REGIONAL DISTRICT OF NANAIMO
SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING**

**WEDNESDAY, OCTOBER 7, 2015, 1:30 PM - 3:30 PM
RDN Committee Room**

A G E N D A

CALL TO ORDER

DELEGATIONS

MINUTES

BUSINESS ARISING FROM THE MINUTES

COMMUNICATIONS/CORRESPONDENCE

UNFINISHED BUSINESS

ADVISORY COMMITTEE

- | | |
|-------|---|
| 2-4 | Minutes of the Regional Solid Waste Advisory Committee meeting held Thursday, April 16, 2015 (for information). |
| 5-6 | Minutes of the Regional Solid Waste Advisory Committee meeting held Thursday, May 14, 2015 (for information). |
| 7-9 | Minutes of the Regional Solid Waste Advisory Committee meeting held Thursday, May 28, 2015 (for information). |
| 10-13 | Minutes of the Regional Solid Waste Advisory Committee meeting held Thursday, June 18, 2015 (for information). |
| 14-17 | Minutes of the Regional Solid Waste Advisory Committee meeting held Thursday, July 9, 2015 (for information). |
| 18-22 | Draft Minutes of the Regional Solid Waste Advisory Committee meeting held Thursday, September 17, 2015 (for information). |

PRESENTATION

Solid Waste Management Plan Review Update - Solid Waste Management
Plan Review Update - *Where Are We, How We Got Here and What Are The
Next Steps?*

ADDENDUM

BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS

NEW BUSINESS

ADJOURNMENT

**REGIONAL DISTRICT OF NANAIMO
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING
HELD ON THURSDAY, APRIL 16, 2015
BOARD CHAMBERS**

Present:

Alec McPherson	Chair, RDN Director	Amanda Ticknor	Member at Large
Fred Spears	District of Lantzville	Al Cameron	Town of Qualicum Beach
Jan Hastings	Non Profit Representative		
Charlotte Davis	City of Nanaimo		
Gerald Johnson	Member at Large		
John Finnie	Member at Large		
Craig Evans	Member at Large		
Jim McTaggart-Cowan	Member at Large		

Also in Attendance:

Larry Gardner	Manager of Solid Waste, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Shelleen Schultz	Recording Secretary, RDN
Gary Fairbank	Waste Management Industry
Rod Leclerc	City of Nanaimo
Dave Ross	Waste Management Industry

Regrets:

Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Jeremy Jones	Business Representative
Rod Mayo	Institutional Waste Generator
Ed Walsh	Waste Management Industry
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Al Metcalf	City of Parksville
Brian Dietrich	Member at Large
Frank Van Eynde	Member at Large
Wally Wells	Business Representative
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Michele Green	Member at Large
Ellen Ross	Member at Large

CALL TO ORDER

The Chairperson called the meeting to order at 5:12 pm.

MINUTES

Minutes of the Regional Solid Waste Advisory Committee meeting held on February 19, 2015 could not be motioned as there was no quorum.

BUSINESS ARISING FROM THE MINUTES

An update on the Solid Waste Management Plan Public Consultation activities was presented by S. Horsburgh. The activities underway and plans moving forward for the summer include:

- Revised consultation plan submitted to the MoE for comment
- Region-wide Solid Waste newsletter mailed
- Conducted Solid Waste survey
- Developed Static Displays
- Finalizing schedule of events to attend over the summer

REPORTS

L. Gardner presented a timeline review outlining, spring, summer and fall guidelines for the Consultation moving forward.

2 R's – Reduce, Reuse & EPR

M. Larson presented the report in a PowerPoint presentation on the Current Status of Reduce, Reuse & EPR in the RDN including the challenges and what the future role of the RDN in Reduce, Reuse & RPR will be.

3rd R – Recycling and end uses

S. Horsburgh presented a PowerPoint presentation outlining the Policy Framework and Current Status of Recycling in the RDN. The underlying policy that has contributed to the RDN's high diversion rate is the **"Zero Waste" policy** – *which continuously strives to reduce the amount of waste requiring disposal. Key policy drivers are as follows:*

- The RDN's material bans –treat garbage as a resource once a stable, alternative use is identified;
-Low hanging fruit: mattresses, organics, textiles, EPR materials
- High disposal fees
- Organics diversion strategy & construction/demolition (C&D) waste

Considerations for the future was also discussed as RDN's programs, policies, services and infrastructure indicative of an advanced solid waste management system such as EPR – new opportunities for private sector & residents.

- RDN not involved in delivering service to commercial sector - past success has been from policy and regulation
- Waste composition Study indicates more can be done within the current system to divert waste
- what can we do better?
- Societal impact of consumerism makes reducing the per capita waste a challenge how do we address this?
- Waste composition Study indicates more can be done within the current system to divert waste
- what can we do better?

Residential Curbside Collection Program Overview

C. Davies and J. Ainge presented a PowerPoint presentation outlining the Past, Present and future of curbside collection including City of Nanaimo and RDN curbside collection milestones, diversion through curbside budgets, MMBC, communication, challenges, future influences, achievements and looking ahead.

A timeline overview was also presented that covered options to consider moving forward:

Spring

- Feb – projected waste generation
- April - reduce, reuse, recycle and curbside
- May – resource recovery (presentation by NextUse); introduction on residual management
- June – WTE (presentation by Morrison Hershfield);Regulatory

Summer

- research options
- increased consultation/feedback

Fall

- review of research and feedback
- develop preferred options and system
- communications/consult/feedback
- revise preferred options and system
- Stage 2 Report

Group Exercise (L. Gardner/S. Horsburgh)

L. Gardner introduced a group activity to sit and discuss ways to improve the 3r's. Permission was also requested from the members to allow the 2 members of the public to participate and this was agreed upon by the members.

J. Hastings/J. Finnie requested ignoring the 3 group split up as the attendance was small. G. Johnson and A. McPherson agreed to proceed with the exercise as one united group.

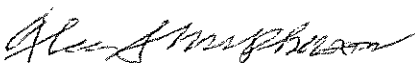
A. McPherson provided an update on the AVICC. This committee focuses on Solid Waste issues and includes representatives from Vancouver Island regional districts. The next meeting will be held at the RDN. J. Kipp and myself have been appointed as representatives from the RDN. There may be representatives from Metro Vancouver in attendance.

L. Gardner was to update on the Regional Solid Waste Management Select committee, however due to time constraints this will be touched on at the next meeting.

J. Ainge commented that due to time constraints the group did not get to touch on the curbside aspect of the exercise which will be completed at the next meeting, however if anyone had any ideas regarding curbside collection they would like to share please feel free to approach the solid waste department.

ADJOURNMENT

Meeting adjourned at 7:50pm



CHAIRPERSON

**REGIONAL DISTRICT OF NANAIMO
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING
HELD ON THURSDAY, MAY 14, 2015
BOARD CHAMBERS**

Present:

Alec McPherson	Chair, RDN Director
Jim Kipp	RDN Director, Deputy Chair
Fred Spears	District of Lantzville
Jan Hastings	Non Profit Representative
Charlotte Davis	City of Nanaimo
Gerald Johnson	Member at Large
John Finnie	Member at Large
Craig Evans	Member at Large
Jim McTaggart-Cowan	Member at Large
Wally Wells	Business Representative
Michele Green	Member at Large
Ellen Ross	Member at Large
Al Cameron	Town of Qualicum Beach

Also in Attendance:

Larry Gardner	Manager of Solid Waste, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Rebecca Graves	Recording Secretary, RDN
Daniel Pearce	A/GM, Transportation & Solid Waste Services
Ben Geselbracht	Zero Waste Nanaimo
Bill McKay	City of Nanaimo
Ron Bolin	Public Attendee

Regrets:

Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Jeremy Jones	Business Representative
Rod Mayo	Institutional Waste Generator
Ed Walsh	Waste Management Industry
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Al Metcalf	City of Parksville
Frank Van Eynde	Member at Large
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Amanda Ticknor	Member at Large

CALL TO ORDER

The Chairperson called the meeting to order at 5:08 pm.

DELEGATES

Jan Hastings, Nanaimo Recycling Exchange re. 4 R's of Recycling Presentation.

Jan Hastings provided a presentation on the 4 R's of Recycling which outlined the history of recycling in Nanaimo, various recycling depots, the business of recycling and the future resource recycling.

MINUTES

MOVED W. Wells, SECONDED C. Evans, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held February 19, 2015, be adopted.

CARRIED

MOVED J. McTaggart, SECONDED G. Johnson, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held April 16, 2015, be adopted.

CARRIED

BUSINESS ARISING FROM THE MINUTES

COMMUNICATIONS/CORRESPONDENCE

UNFINISHED BUSINESS

The Option Identification Exercise Table from April 16, 2015 was circulated.

REPORTS

Local Governments Authority

L. Gardner introduced the Regional District Bylaw Authority to Manage Consumer Products staff report which gave an overview of the Regional District's ability to regulate consumer products.

Table Top Exercise on Future Options

The Committee broke off into groups to continue discussing future options regarding:

- The 2 R's – Reduce & Reuse
- The 3rd R – Recycling & End Uses
- Curbside Recycling

[6:55pm Director McPherson left the meeting.]

ADDENDUM

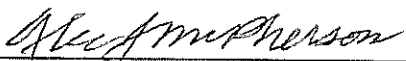
SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES

NEW BUSINESS

C. Evans announced that Zero Waste Nanaimo has formed and now have regular meetings and invited members of the committee to attend.

ADJOURNMENT

Meeting adjourned at 7:30pm



CHAIRPERSON

**REGIONAL DISTRICT OF NANAIMO
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING
HELD ON THURSDAY, MAY 28, 2015
BOARD CHAMBERS**

Present:

Alec McPherson	Chair, RDN Director
Jim Kipp	RDN Director, Deputy Chair
Larissa Coser	Community Representative
Craig Evans	Member at Large
John Finnie	Member at Large
Michele Green	Member at Large
Derek Haarsma	Business Representative
Jan Hastings	Non Profit Representative
Gerald Johnson	Member at Large
Jim McTaggart-Cowan	Member at Large
Amanda Ticknor	Member at Large
Frank Van Eynde	Member at Large
Wally Wells	Business Representative
Stewart Young Jr.	Business Representative
Al Cameron	Town of Qualicum Beach

Also in Attendance:

Larry Gardner	Manager of Solid Waste, RDN
Rebecca Graves	Recording Secretary, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Meghan Larson	Special Projects Assistant, RDN
Daniel Pearce	A/GM, Transportation & Solid Waste Services, RDN
Julien Fell	RDN Director
Bill McKay	RDN Director
Maureen Young	RDN Director

Regrets:

Ellen Ross	Member at Large
Ed Walsh	Waste Management Industry
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Glenn Gibson	Island Heath
Charlotte Davis	City of Nanaimo
Al Leuschen	Ministry of Environment
Al Metcalf	City of Parksville
Karen Muttersbach	Environment Canada
Michael Recalma	Qualicum First Nation
Fred Spears	District of Lantzville

CALL TO ORDER

The Chairperson called the meeting to order at 5:05 PM.

Chairperson McPherson stated that due to resignations of committee members there were now four new members on the committee. Introductions were made.

DELEGATES

Russ Black, Next Use. Re. Overview of Mixed Waste Recycling Facilities.

R. Black provided a presentation of Mixed Waste Recycling Facilities in the United States. Next Use has introduced a proposal to build a \$30 million facility in Coquitlam that would use similar technologies to separate waste into categories.

MINUTES

MOVED F. Van Eynde, SECONDED G. Johnson, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held May 14, 2015, be amended and adopted as per discussion.

CARRIED

BUSINESS ARISING FROM THE MINUTES

As per discussion, minutes from May 14, 2015 were amended to include J. Kipp in attendance.

J. Hastings commented that she feels the collective conversation isn't being captured in the minutes and would like more detail.

COMMUNICATIONS/CORRESPONDENCE

UNFINISHED BUSINESS

REPORTS

An Overview of Multi-Material Recycling Facilities. (S. Horsburgh)

S. Horsburgh presented a brief overview of current Multi Material Recycling facilities technology and ownership in the Regional District of Nanaimo. There are currently three MRF's in Nanaimo: Progressive Waste, Emterra and Cascades, that are privately owned. There is a trend by some jurisdictions to transition from multi or two-stream recycling to commingled/single stream. Reducing collection costs and providing more convenience is influencing MRF design. Commingled or single stream recycling means putting all of your recyclables – paper, plastics and recyclable containers into the same container, tote, box, bag or cart - without sorting

C. Evans enquired if we have any information on the announcement of a multi material facility being built by Green by Nature here in Nanaimo..? S. Horsburgh commented at this time we have not been notified that a facility of this magnitude has not been proposed in the Region. In addition, such a facility would require a Waste Stream Management License from the RDN. The RDN will confirm if there has been such an announcement recently.

Table Top Group Exercise.

L. Gardner introduced the table top group exercise and the Committee broke off into groups to discuss the topic "What is the future of MRF technology in the RDN context?"

Exercise topics that were discussed during the exercise included;

- the process of what happens before we use MRF technology,
- reduction of incentives at home,
- issues with materials being mixed at the source,
- create more ownership around the community,
- benefits of MRF to the community and RDN,
- potential partnerships between private and public,
- how would it effect the 3 MRF's in Nanaimo,
- reduce our collection vehicles,
- a role for a MRF as a prescreen at the Landfill,
- community based approach for ownership,
- higher level of source separation at the Landfill,
- an addition of a free store at RDN Facilities.

J. Kipp commented that his group discussed possibly developing a new philosophy with our SWMP and define what is being accomplished with our solid waste. Is the goal of our SWMP to be economical, socially and culturally involved and to be concerned with our environment? There is a need for a new definition of garbage and the philosophy behind what we want to accomplish.

J. Hastings would like to see research conducted on models that are operational in the United States that were referred to by Next Use.

C. Evans requested that we ask the players of the mentioned \$25 million MRF coming to Nanaimo to attend a committee meeting.

D. Pearce replied that we could make a request to Green by Nature to provide either a formal written response or they could attend as a delegation regarding any plans they may have for future development.

ADDENDUM

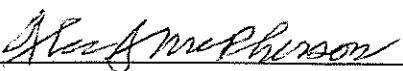
SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES

NEW BUSINESS

ADJOURNMENT

MOVED J. McTaggart-Cowan, SECONDED F. Van Eynde, that this meeting be adjourned.

TIME: 7:30 PM



CHAIRPERSON

**REGIONAL DISTRICT OF NANAIMO
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING
HELD ON THURSDAY, JUNE 18, 2015
BOARD CHAMBERS**

Present:

Alec McPherson	Chair, RDN Director
Jim Kipp	RDN Director, Deputy Chair
Larissa Coser	Community Representative
Craig Evans	Member at Large
John Finnie	Member at Large
Michele Green	Member at Large
Jan Hastings	Non Profit Representative
Gerald Johnson	Member at Large
Jim McTaggart-Cowan	Member at Large
Derek Haarsma	Business Representative
Michael Tripp	Business Representative
Waily Wells	Business Representative
Al Cameron	Town of Qualicum Beach
Fred Spears	District of Lantzville

Also in Attendance:

Larry Gardner	Manager of Solid Waste, RDN
Rebecca Graves	Recording Secretary, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Meghan Larson	Special Projects Assistant, RDN
Dennis Trudeau	GM, Transportation & Solid Waste Services, RDN
Julien Fell	RDN Director
Bob Rogers	RDN Director
Maureen Young	RDN Director
Dave Ross	Public Attendee

Regrets:

Ed Walsh	Waste Management Industry
Stewart Young Jr.	Business Representative
Ellen Ross	Member at Large
Amanda Ticknor	Member at Large
Frank Van Eynde	Member at Large
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Glenn Gibson	Island Heath
Charlotte Davis	City of Nanaimo
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Michael Recalma	Qualicum First Nation

CALL TO ORDER

The Chairperson called the meeting to order at 5:10 PM.

DELEGATES

MINUTES

MOVED G. Johnson, SECONDED J. McTaggart-Cowan, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held May 28, 2015, be adopted.

CARRIED

BUSINESS ARISING FROM THE MINUTES

J. Hastings commented that under the 'Reduce Options' exercise the group would like to see something done in regards to packaging. In the SWMP guidelines, it reads that "in addition RDN activities will be complimented by Federal and Provincial reduction initiatives in packaging" and questioned if we can ask for a report on what those initiatives might be?

L. Gardner replied that the SWMP guidelines were written in 1994 before the Extended Producer Responsibility program was introduced. The program at that time saw the introduction of the deposit container refund system. A report will be provided to the Committee on what currently exists with the EPR programs in BC.

J. McTaggart-Cowan mentioned in 1988 a federal initiative on packaging was created and suggested that the provincial government to do something about packaging to put pressure back on the industry.

G. Johnson suggested that local government through the RSWAC could create a list of local issues and invite industry to a meeting where the problems/issues could be presented and industry could be asked to follow up with solutions.

J. Hastings commented on the ability of the Committee to add agenda items.

COMMUNICATIONS/CORRESPONDENCE

UNFINISHED BUSINESS

REPORTS

Konrad Fichtner, Morrison Hershfield. - New and Emerging Technologies.

K. Fichtner provided a presentation on new and emerging technologies for recovering energy. Two types of technologies to recover energy from waste are biological systems and thermal systems. Biological systems include anaerobic digestion and landfill gas recovery. Thermal Systems include mass burn combustion, incineration gasification, and pyrolysis.

G. Johnson asked what techniques are used to stabilize fly ash?

K. Fichtner replied that a chemical process can be used that will bind the metals and the most common is using Portland cement.

J. Hastings enquired that in order to operate efficiently you need recyclables and if you took contaminated recyclables out, would that change?

K. Fichtner commented that there is still enough heating value in the residual waste stream from products that can't be recycled. It is conceivable that if enough of the materials were taken out then there wouldn't be enough left over.

L. Coser questioned how the fly ash was managed and if all landfills accept the ash?

K. Fichtner replied that in Canada the ash is landfilled, used for road base and daily landfill cover.

C. Evans enquired about the working relationship between Metro Vancouver and Morrison Hershfield in regards to Metro's waste to energy proposal?

K. Fichtner answered that Morrison Hershfield have provided studies for Metro Vancouver in the past but at this point there is no working relationship.

C. Evans questioned the scientific study that was done for the Durham W-E project and the potential impacts on the drinking water and the agricultural land within 10 kms?

K. Fichtner commented that the study was conducted by another firm and he could follow-up and provide that health assessment for review.

G. Johnson asked what the life expectancy would be of a brand new thermal plant?

K. Fichtner remarked that it could be 25-50 years and that first generation equipment the average being 20-25 years with constant upgrading and good maintenance.

G. Johnson commented that he would like to see an analysis on the value of energy compared to what could be saved in energy if recycled.

J. Finnie remarked that any of the mentioned technologies including new emerging technologies will have residuals that will need some form of disposal capacity and that cost needs to be factored in.

Group Exercise.

L. Gardner introduced the table top group exercise:

- What are the RDN's current options for residual management?
- What are the preferred options for the RDN to investigate for managing residuals?
- What benefits do you see in working with other regional districts for residual waste management?

Some of the points relayed back by the Committee included:

- optimize the landfill life and waste export
- consideration of emerging technologies
- restricting out of region waste
- investigate break the bag options
- investigate waste to energy further
- zero waste plan
- organic diversion and recycling programs
- partnerships with co-generation wood waste

- continue to look at new technologies and approaches to manufacturing that is acceptable to the whole community
- EPR programs need to approach design of packaging
- Collaborating with other regions on Vancouver Island to export off island

ADDENDUM

SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES


NEW BUSINESS

Next RSWAC meeting will be July 9, 2015.

ADJOURNMENT

MOVED G. Johnson, SECONDED J. McTaggart-Cowan, that this meeting be adjourned.

TIME: 7:30 PM



CHAIRPERSON

**REGIONAL DISTRICT OF NANAIMO
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING
HELD ON THURSDAY, JULY 9, 2015
BOARD CHAMBERS**

Present:

Alec McPherson	Chair, RDN Director
Craig Evans	Member at Large
John Finnie	Member at Large
Michele Green	Member at Large
Gerald Johnson	Member at Large
Jim McTaggart-Cowan	Member at Large
Ellen Ross	Member at Large
Amanda Ticknor	Member at Large
Larissa Coser	Community Representative
Derek Haarsma	Business Representative
Jan Hastings	Non Profit Representative
Michael Tripp	Business Representative
Wally Wells	Business Representative
Stewart Young Jr.	Business Representative
Charlotte Davis	City of Nanaimo

Also in Attendance:

Larry Gardner	Manager of Solid Waste, RDN
Rebecca Graves	Recording Secretary, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Meghan Larson	Special Projects Coordinator, RDN
Dennis Trudeau	GM, Transportation & Solid Waste Services, RDN

Regrets:

Al Cameron	Town of Qualicum Beach
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Glenn Gibson	Island Heath
Jim Kipp	RDN Director, Deputy Chair
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Michael Recalma	Qualicum First Nation
Fred Spears	District of Lantzville
Ed Walsh	Waste Management Industry
Frank Van Eynde	Member at Large

CALL TO ORDER

The Chairperson called the meeting to order at 5:07 PM.

DELEGATES

MINUTES

MOVED J. McTaggart-Cowan, SECONDED G. Johnson, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held June 18, 2015, be adopted.

CARRIED

BUSINESS ARISING FROM THE MINUTES

J. Hastings commented that in the second paragraph where it reads that "in addition RDN activities will be completed by Federal and Provincial reduction initiatives in packaging" this should read "complimented".

COMMUNICATIONS/CORRESPONDENCE

UNFINISHED BUSINESS

REPORTS

Overview of Zero Waste Plan. (S. Horsburgh)

S. Horsburgh provided a presentation on the *Overview of the Zero Waste Program* which included the Zero Waste Plan, performance objectives and future opportunities. The 2004 Zero Waste Plan includes WSML, landfill disposal bans and residential food organics collection. The WSML provides a regulatory framework that has enabled private sector investment to establish recycling and composting facilities and provide alternatives to landfilling. Creating the disposal ban has given the private sector the ability to divert material from the waste stream as there are viable markets for the recyclables. The WSML Bylaw helps to protect the environment, encourages private sector investment in the region, sets high standards in the operation of recycling facilities and common regulatory framework that creates a level playing field. The current SWMP advocates collaboration with the Province and Federal government to improve EPR programs.

J. McTaggart-Cowan questioned who is being educated and is there any discussion with retailers regarding reducing packaging?

S. Horsburgh responded that the RDN has a variety of communication tools to educate the residential sector and with the business sector the RDN focuses on restaurants with respect to the commercial food waste diversion program. As the haulers provide collection service to the ICI sector they provide education based on their service levels. Packaging discussions occur at the provincial level and regional districts have an influence in developing policies at that level.

J. Hastings remarked that having the haulers as educator's seemed unfair.

S. Horsburgh commented that for the residential curbside program the RDN takes the leading role in educating and for the commercial sector we provide education in conjunction with the haulers.

C. Evans asked if glass is an EPR material?

S. Horsburgh replied that glass is accepted at recycling depots and deposit glass is under deposit refund. Having the landfill take glass as a convenience could be considered under the plan review.

L. Coser commented that she feels it is important for goal setting to have a definition around zero waste so that the Committee could give feedback.

L. Coser also enquired about the organics in commercial areas and how many restaurants and facilities are involved in this program and what is the target?

S. Horsburgh commented that we could review the diversion rate for the commercial sector and conduct an audit to see how many businesses in the ICI sector subscribe to an organics service. We have the data but it required constant updating due to high turn over of businesses and staff in the retail and restaurant sector.

L. Gardner commented that diversion goals could be improved and the committee has put forward good recommendations and input for waste reduction. RDN staff will look at how to improve programs and will bring forward to the committee some of the ideas.

A. Ticknor enquired of the \$100,000 spent on illegal dumping does that number just include clean up or if signage etc. was included?

L. Gardner replied that the budget was a combination of waiving fees for groups to clean up, enforcement and regulated activities like signage and monitoring sites.

J. McTaggart-Cowan asked if there is an individual breakdown on various elements in single family, multi-family and ICI separately in order to see where the components are coming from?

S. Horsburgh responded that she could produce a slide to show the breakdown towards the end of the meeting.

L. Gardner commented that we receive approximately \$1 million a year from MMBC for collection and they pay us an amount per household which goes towards curbside education.

L. Coser remarked that it would be interesting to hear more about zero waste programs being done in other communities/countries.

Overview of Regulatory Authorities. (L. Gardner)

L. Gardner provided an overview of the authorities that may be granted by the province to the RDN through Ministerial approval of a SWMP.

From an authorities perspective a SWMP is an instrument of the *Environmental Management Act*, it serves to:

- Provide an exemption to gaining another type of authorization for discharges to the environment.
- Not require the assent of electors for adopting a bylaw for implementing a waste management plan.
- Provide regional districts additional powers to manage municipal solid waste.

A. McPherson commented that due to an emergency, the meeting would be adjourned until next meeting to discuss unfinished business.

A. McPherson requested that the presentation be circulated to the committee members for review and if there was any comments in regards to the survey the committee could forward those to RDN staff.

ADDENDUM

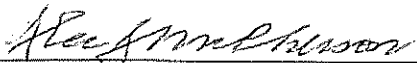
SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES

NEW BUSINESS

Next RSWAC meeting will be held September 17, 2015.

ADJOURNMENT

MOVED J. McTaggart-Cowan, SECONDED G. Johnson, that this meeting be adjourned.



CHAIRPERSON

**REGIONAL DISTRICT OF NANAIMO
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING
HELD ON THURSDAY, SEPTEMBER 17, 2015
BOARD CHAMBERS**

Present:

Alec McPherson	Chair, RDN Director
Craig Evans	Member at Large
John Finnie	Member at Large
Jim Kipp	RDN Director, Deputy Chair
Frank Van Eynde	Member at Large
Ellen Ross	Member at Large
Amanda Ticknor	Member at Large
Larissa Coser	Community Representative
Derek Haarsma	Business Representative
Jan Hastings	Non Profit Representative
Michael Tripp	Business Representative
Wally Wells	Business Representative
Stewart Young Jr.	Business Representative
Charlotte Davis	City of Nanaimo
Ed Walsh	Waste Management Industry
John Marsh	Town of Qualicum Beach

Also in Attendance:

Larry Gardner	Manager of Solid Waste, RDN
Rebecca Graves	Recording Secretary, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Meghan Larson	Special Projects Coordinator, RDN

Regrets:

Dennis Trudeau	GM, Transportation & Solid Waste Services, RDN
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Michael Recalma	Qualicum First Nation
Fred Spears	District of Lantzville
Gerald Johnson	Member at Large
Jim McTaggart-Cowan	Member at Large
Michele Green	Member at Large

CALL TO ORDER

The Chairperson called the meeting to order at 5:07 PM.

DELEGATES

MINUTES

MOVED F. Van Eynde, SECONDED J. Kipp, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held July 7, 2015, be adopted.

CARRIED

BUSINESS ARISING FROM THE MINUTES

COMMUNICATIONS/CORRESPONDENCE

UNFINISHED BUSINESS

REPORTS

Update on Communications and SWMP Review Survey. (S. Horsburgh)

S. Horsburgh provided a presentation on the status of the Stage 2 Communications and Consultation Plan. A report outlining the Stage 2 Communications is currently being developed and will be submitted to the Ministry of Environment. The report will outline the communication activities and will demonstrate the RDN's commitment to actively engaging the public in debate with respect to the SWMP. In 2015, there will be 6 mail outs done discussing the SWMP Plan Review and Update, 2 online surveys and attendance at multiple summer and public events.

L. Coser commented on the alternatives given in the survey that financially the costs hadn't been mapped out.

L. Gardner replied that the next time the RDN goes out to the community it will be at another level of detail so that informed decisions can be made based on real numbers.

J. Hastings asked what some of the comments were from the community survey when they answered that they would pay more to maintain or increase services.

L. Gardner commented that it was more to engage with the public and the general sense indicated that they were willing to pay a bit more to have services increased.

Regulatory Authorities to Increase Diversion. (L. Gardner)

L. Gardner gave a presentation on regulatory tools to promote increased waste diversion which included providing an explanation of authorities that may be granted through a SWMP, explaining additional powers that Regional Districts may obtain and provided examples of how these additional powers may influence diversion.

C. Davies questioned why we would get haulers to work as agents but rather mandate anyone that generates waste to sort at the point of generation?

L. Gardner commented that to regulate at the source it would take an additional authority and staffing needs to do the enforcement towards people that don't behave.

J. Marsh questioned if the provisions are not in the SWMP you can't regulate or deal with it, how often does the SWMP change and how difficult is it to amend?

L. Gardner replied that about once every decade and then it takes a couple of years to complete.

M. Tripp remarked on why not put all the provisions in the SWMP and have the debate later.

J. Hastings asked what problems will all this solve?

L. Gardner commented that if the committee believes we can encourage people to do the right thing with diversion because we ask them to, then we don't need any of these provisions. If we believe there is a line and we want to cross that line to compel people to do the desired behavior, then regulatory tools are necessary. If we want diversion to increase over the next 15 years then how do we anticipate increasing diversion? Without these regulatory tools will we achieve the desired behaviour? If we do, then we don't need any of these tools.

S. Young questioned what is the RDN's opinion on the cost of diversion?

L. Gardner commented that if you were to look at mandatory waste collection, either by a single contracted hauler or municipal staff, there wouldn't be a place for you unless you had a contract to provide the service.

D. Haarsma commented that the only provision that makes sense is waste source regulation. The private sector has invested way too much to have the RDN take over collection and in regards to working with the hauler to get source separation essentially the hauler currently has to regulate the customer base.

W. Wells stated that one of the options is to include all provisions and one option is to include none of the provisions. He would like to see future discussion focusing on regulatory authority to address the systematic issues that are holding back diversion and other options that would not necessarily require new regulations.

GROUP EXERCISE

L. Gardner introduced the group exercise and the Committee broke off into groups to discuss the topic "Which regulatory authorities should be considered for inclusion in the SWMP?" and "How might additional authorities improve diversion?"

ADDENDUM

SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES

NEW BUSINESS

L. Gardner updated committee that there would be future reports sent to them over the next few weeks to help on future discussion.

J. Hastings commented that there were many exercise options that stated further research required.

L. Gardner replied that those required research requested will be addressed in the future reports.

Next RSWAC meeting will be held October 15, 2015.

ADJOURNMENT

MOVED J. Kipp, SECONDED F. Van Eynde, that this meeting be adjourned.

CHAIRPERSON

Regulatory Option	PRO	CON
<p>1. Mandatory Waste Collection System (MWC)</p>	<ul style="list-style-type: none"> ➤ Source separation is mandatory ➤ Potential to use a co-op for collection like 'recology' in San Francisco ➤ Ship to MRF for processing ➤ Potential to increase diversion % through mandatory collection 	<ul style="list-style-type: none"> ➤ Shuts down competitive business ➤ Destroys Capital investment ➤ Administrative burden on business and RD ➤ Jurisdiction – City of Nanaimo is a provider ➤ Jurisdiction – City of Parksville: eliminate competition & free market ➤ Jurisdiction –Town of QB a service provider ➤ Eliminates price competition ➤ Business already collecting from ICI ➤ Limits private enterprise ➤ Too authoritative ➤ Not competitive : does not allow free enterprise
<p>2. Waste Hauler Franchise (WHF)</p>	<ul style="list-style-type: none"> ➤ Table 2 removed it as an option ➤ Slightly better than above as more than 1 hauler used ➤ Ship materials to MRF 	<ul style="list-style-type: none"> ➤ Table 2 removed it as an option ➤ As above
<p>3. Waste Haulers as Agents (WHA)</p>	<ul style="list-style-type: none"> ➤ Operational efficiencies & reduction of emissions ➤ Ship to MRF ➤ Retains opportunity for innovation and private investment 	<ul style="list-style-type: none"> ➤ More expensive collection ➤ Will not want to implement remittance to local govt ➤ Surcharges attached to business ➤ Lot of administration

<p>4. Flow Management (FM)</p>	<ul style="list-style-type: none"> ➤ Ship to MRF ➤ Controls material so high grading is possible 	<ul style="list-style-type: none"> ➤ Discourages cross regional coordination ➤ Too restrictive for residuals and does not aid diversion
<p>5. Waste Source Regulation (WSR)</p>	<ul style="list-style-type: none"> ➤ Promotes separation at source ➤ Enforcement by private sector is expensive but if works especially if it is done in conjunction with Flow Management. ➤ Higher diversion % from ICI ➤ Promotes high grade products 	<ul style="list-style-type: none"> ➤ Public sector responsible for enforcement & administrative costs. ➤ Moderate administrative burden ➤ High compliance through enforcement
<p>6. Other: Recycling</p>	<ul style="list-style-type: none"> ➤ Could provide stable recycling program to back up plan <p>Questions:</p> <ul style="list-style-type: none"> ➤ What is our goal? Diversion? Increase use of resources. Do we need to define 3R's? 	<ul style="list-style-type: none"> ➤ Subsidize last 30% of low value material ➤ Storage of hard to recycle material ➤ Socialize recycling cost