

**REGIONAL DISTRICT OF NANAIMO
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING**

**THURSDAY, JUNE 18, 2015, 5:00 PM - 7:30 PM
RDN Board Chambers**

A G E N D A

PAGES

CALL TO ORDER

DELEGATIONS

MINUTES

3-4 Minutes of the Regional Solid Waste Advisory Committee meeting held May 28, 2015.

BUSINESS ARISING FROM THE MINUTES

COMMUNICATIONS/CORRESPONDENCE

UNFINISHED BUSINESS

REPORTS

New and Emerging Technologies, Konrad Fichtner from Morrison Hershfield.
(presentation)

Group Exercise

What is the future role of emerging technologies in the RDN?

ADDENDUM

SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES

BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS

NEW BUSINESS

ADJOURNMENT

Distribution:

Alec McPherson	Chair, RDN Director	Michael Recalma	Qualicum First Nation
Jim Kipp	Deputy Chair	Chief & Council	Nanoose First Nation
Frank Van Eynde	Member at Large	Chief & Council	Snuneymuxw First Nation
Derek Haarsma	Business Representative	Al Metcalf	City of Parksville
Ed Walsh	Waste Management Industry	Al Cameron	Town of Qualicum Beach
Wally Wells	Business Representative	Fred Spears	District of Lantzville
Jan Hastings	Non Profit Representative	Charlotte Davis	City of Nanaimo
Jim McTaggart-Cowan	Member at Large	Al Leuschen	Ministry of Environment
John Finnie	Member at Large	Karen Muttersbach	Environment Canada
Craig Evans	Member at Large	Glenn Gibson	Island Health
Ellen Ross	Member at Large		
Gerald Johnson	Member at Large		
Michele Green	Member at Large		
Amanda Ticknor	Member at Large		
Michael Tripp	Business Representative		
Stewart Young Jr.	Business Representative		
Larissa Coser	Community Representative		

Solid Waste Select Management Committee Members:

Joe Stanhope	Jim Kipp	Bill McKay	Bill Yoachim
Howard Houle	Marc Lefebvre	Teunis Westbroek	Maureen Young

RDN Staff:

Larry Gardner	Manager, Solid Waste Services, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Dennis Trudeau	GM Transportation & Solid Waste Services, RDN
Rebecca Graves	Recording Secretary, RDN

For information only:

Regional Board Members: CAO's: Paul Thorkelsson (RDN), Twyla Graff (District of Lantzville), Fred Manson (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Ted Swabey (City of Nanaimo)

**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

CONSOLIDATED OPTIONS IDENTIFICATION BY THE RSWAC MAY 2015

REDUCE/REUSE OPTIONS	
Priorities To Increase Diversion:	Existing Solid Waste Management Plan
1. Focus public education to target adults. Provide more social based marketing and education to improve service levels	- The RDN targets children through the Zero Waste School Education Program. - Adults are targeted through newsletters. RDN distributes 3 per year and the City produces 2 per year
2. Introduce an RDN Material Recycling Facility (MRF) to increase Reduce/Reuse opportunities. Services would include: a free store, vacant space allocated to stockpile recyclables, and unwanted items for workshops, repair, repurposing, and salvaging	
3. Create funding opportunities for small business/non-profits that have programs for reuse of materials. E.g. repair and repurposing of materials	
Long List Of Reduce/Reuse Options	Existing Solid Waste Management Plan
Education	
Encourage producers, retailers to reduce packaging	- The RDN actively encourages and collaborates with the Province and EPR programs to undertake stewardship initiatives and continues to promote expansion of EPR
Alternatives for reduction of materials not covered by EPR	
Stronger focus on reduce rather than reuse. Opportunity to remove hard to recycle/reuse items before they need to be disposed	
Promotion/education of non-profits for reuse	- Online Recycling Directory
Education "Campaigns": every purchase has a disposal cost	
Where to take materials – RDN as resource for information	- Online Recycling Directory
Public events team – Face to Face communication	
Hosting reuse workshops – market study for reuse	
Regulatory	
Restrict the sale or use of some packaging; such as grocery bags	- A recent report indicates this action is beyond local government authority
Require return to retail	- Beyond local government authority
Bans on disposal	- Current RDN Material Bans support EPR
Legislative control of packaging and waste advocacy to stewardship groups	
Financial	
Increase cost for landfill disposal	- RDN currently has a user pay policy in place
Introduce a salvage contract at the landfill	
RDN Facility for Reduce/Reuse: stockpile recyclables, introduce workshops for repair, repurposing, allow salvaging & introduce a free store	
Miscellaneous	
Research on manufactured product composition. Is it recyclable/reusable/repairable?	

CONSOLIDATED OPTIONS IDENTIFICATION BY THE RSWAC MAY 2015

Free store/ One stop drop	
Promote Island based solutions: small business opportunities. Linkages to reuse materials	
RECYCLE OPTIONS	
Priorities To Increase Diversion:	Existing Solid Waste Management Plan
1. Upstream advocacy for reduction and promote design for environment – RDN policy framework	- SWMP guiding principle #4 & #5 ⁱ
2. Increase education for Multi Family (MF) & Industrial Commercial and Institutional (ICI) sector to improve recycling rates	
3. Develop a convenient Resource Recovery Park that through social enterprise model provides employment opportunities for individuals with barriers to employment	
Priorities To Improve Service:	
1. Improve recycling options for MF and ICI sector to increase recycling	
2. Increase market development opportunities related to increasing the business of recycling locally	
3. Implement strategies to increase education and awareness and develop mechanisms to enforce mandatory participation in recycling programs	
Long List of Options	Existing Solid Waste Management Plan
RDN to process recyclables (RDN /MRF)	
RDN drop off facilities for recyclables	- Currently RDN has 2 drop off depots located at regional facilities. In addition there are 13 licensed facilities in the RDN that offers options to recycle
Process waste prior to disposal at the landfill to recover recyclables	
RDN should stock pile recyclables - waste to recycle (resource)	
The RDN should investigate process and market its own recyclable materials	
Full cost accounting of disposal	- User-pay policy Review
Grants/Funding for hard to recycle items: mattresses/carpets/textiles. Investigate funding for resource recovery parks	
Regulatory	
ICI & MF – enforce recycling	-RDN Bylaw requires double tip fees for loads containing banned material
Enforce organic food waste ban in the residential sector	
Target hard to recycle items: textiles, carpet and mattresses	
Regulatory	
Implement incentives to improve recycling for ICI & MF	- Landfill bans exist
Education	
Education for all sectors	

CONSOLIDATED OPTIONS IDENTIFICATION BY THE RSWAC MAY 2015

Develop opportunities to high grade wastes	
Business development/training skills development	
Partnerships	
Promote partnership development between RDN & VIU to find new markets, and increase research development opportunities. Retain intellectual property rights around technologies	
Encourage opportunities to increase community economic development in relation to recycling	
Energy Generation/pyrolysis/RDF	
Heat generation from composting	
Private/public partnership – social enterprises. Non-profit: eg. Glass manufacturing	
SOLID WASTE CURBSIDE SERVICE	
Priorities To Increase Diversion:	Existing Solid Waste Management Plan
1. Conduct curbside inspections and where no green bin is set out then no G&R service. Implement audits/inspections at the curb to gauge participation in curbside programs, and to promote compliance with material restrictions (eg, correct items put out for collection)	
2. Provide Multi-Family buildings with the same collection as single family. Investigate service options especially for food waste collection. Work with hauling community, and building owners, strata councils. Consider financial incentives	
3. Building code bylaws to facilitate better Multi-Family waste management. Work with building inspection and permitting departments to prepare guidelines for developers to incorporate at design phase	
Priorities To Improve Service:	
1. Building codes/bylaws to facilitate better Multi-Family waste management practises	
2. Standardize curbside collection for all sectors	
3. Residential service to be expanded to include Multi-Family recycling collection	
Long List Of Solid Waste Curbside Service	
Organics	
Extend accepted organics to include Y&G waste at curbside	
Undertake work to scope out diversion potential, costs, and service options	
Enforcement	
Building codes/bylaws to facilitate better M-F waste management	
Enforcement	
Enforce participation in food waste and recycling programs	

CONSOLIDATED OPTIONS IDENTIFICATION BY THE RSWAC MAY 2015

Collection	
Standardize curbside collection for all sectors	
Reintroduce large item collection. Conduct an investigation of costs	
Investigate a Household Hazardous waste collection cost for “Odd item” pick up days (paint)	
Single entity responsible for all curbside collection/or just collect the “expansion items” using the Non-profit/ charitable model	
How to balance costs to collect new/”special handled” items with desire to collect	
Truck fleet – compartments/more streams to increase source separation	
Source separation – more bins	
Rural communal bins for items	
Glass to be added back to curbside	- Current situation on glass recycling in BC is available: 2010 glass fact sheet
Consideration for automated collection system	
MATERIAL RECYCLING FACILITIES (MRF) IN THE RDN	
Priorities To Increase Diversion:	Existing Solid Waste Management Plan
1. RDN pre-screen/sort facility for garbage at the Landfill and transfer station to source separate materials for recycling	
2. One collection truck “Everything to an MRF”. Focus on ICI and Multi-Family as an option for Solid Waste MRF	
3. Introduce incentives to reduce waste being landfilled	- High tipping fees
Priorities To Increase Diversion:	Existing Solid Waste Management Plan
1. Dialogue with other Regional Districts to find efficiencies and economies of scale	
2. Focus on improving service levels to Multi-Family by introducing single stream collection. Use the following mechanisms to improve service: <ul style="list-style-type: none"> • Mandatory Service? • Utility Fees • Regulatory? • Fees/Tax 	Landfill Bans
3. Mine what is buried to extend life of the landfill	

¹ RDN Solid Waste Management Plan (2004) pp.1-1. <http://rdn.bc.ca/cms/wpattachments/wpID224atID6506.pdf>