

Appendix I – Public Advisory Committee

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
THURSDAY, May 16, 2013  
4:00 PM to 6:00 PM**

*(RDN Chambers)*  
**A G E N D A**

- 1. CALL TO ORDER**
- 2. INTRODUCTIONS**
- 3. RSWAC TERMS OF REFERENCE (S. Horsburgh)**
- 4. RDN SOLID WASTE MANAGEMENT SYSTEM OVERVIEW (C. McIver)**
- 5. SOLID WASTE PLAN REVIEW PROCESS**
  - **Three stages**
  - **Workplan**
  - **Stage 1 Technical Report**
- 6. SITE TOUR/NEXT MEETING**
- 7. OTHER**
- 8. ADJOURNMENT**

Distribution:

George Holme, Chair	Meeting Chair, Director Electoral Area E
Howard Houle	Director Electoral Area B
Jim Kipp	City of Nanaimo
Ted Greves	City of Nanaimo
Wally Wells	Business Community - North
Dr. Jim McTaggart-Cowan	Environment Community
Frank Van Eynde	General Public - North
Jeremy Jones	General Public - South
Michael Recalma	Qualicum First Nation
Ed Walsh	Waste Management – Private Sector
Jan Hastings	Waste Management – Non Profit Sector
Gary Franssen	City of Nanaimo
Al Metcalf	City of Parksville
Al Cameron	Town of Qualicum Beach
Fred Spears	District of Lantzville
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Shaun Malakoe	Central VI Health Unit
Dennis Trudeau	GM Transportation & Solid Waste Services, RDN
Carey McIver	Manager of Solid Waste, RDN
Sharon Horsburgh	Senior Zero Waste Coordinator, RDN
Jeff Ainge	Zero Waste Program Coordinator, RDN
Maude Mackey	Zero Waste Compliance Officer, RDN
Helmut Blanken	Superintendent Engineering and Disposal Operations, RDN
Maggie Warren	Superintendent of Scale & Transfer Svcs

*For information only:*

*Joe Stanhope, Alec McPherson, Maureen Young, Julian Fell, Bill Veenhof, Mark Brown, Fred Manson, Paul Thorkelsson*

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, MAY 16, 2013  
BOARD CHAMBERS**

**Present:**

George Holme, Chair	Director Electoral Area E
Jim Kipp	City of Nanaimo
Ted Greves	City of Nanaimo
Wally Wells	Business Community - North
Dr. Jim McTaggart-Cowan	Environment Community
Frank Van Eynde	General Public - North
Michael Recalma	Qualicum First Nation
Ed Walsh	Waste Management – Private Sector
Jan Hastings	Waste Management – Non Profit Sector
Gary Franssen	City of Nanaimo
Al Cameron	Town of Qualicum Beach
Fred Spears	District of Lantzville
Al Leuschen	Ministry of Environment

**Also in Attendance:**

Paul Thorkelsson	CAO, RDN
Dennis Trudeau	GM Transportation & Solid Waste Services, RDN
Carey McIver	Manager of Solid Waste, RDN
Sharon Horsburgh	Senior Zero Waste Coordinator, RDN
Jeff Ainge	Zero Waste Program Coordinator, RDN
Maude Mackey	Zero Waste Compliance Officer, RDN
Maggie Warren	Superintendent of Scale & Transfer Services
Alec McPherson	Director Electoral Area A

**Regrets:**

Jeremy Jones	General Public – North
Al Metcalf	City of Parksville
Howard Houle	Director Electoral Area B

**CALL TO ORDER**

The Chairperson called the meeting to order at 4:05 pm.

**INTRODUCTIONS**

The Chairperson asked each participant to briefly introduce themselves as well as their reasons for participating on the Committee.

**RSWAC TERMS OF REFERENCE**

**Sharon Horsburgh**, presented an overview of the Regional Solid Waste Advisory Committee Terms of Reference including the purpose, roles and responsibilities, membership criteria and term. (Powerpoint presentation attached to minutes).

### **RDN SOLID WASTE MANAGEMENT SYSTEM OVERVIEW: Zero Waste to Residuals**

**Carey McIver** presented background information on: the RDN Solid Waste System, the Zero Waste Plan and the Residual Management Plan as well as issues and opportunities. (Powerpoint presentation attached to minutes).

### **SOLID WASTE PLAN REVIEW PROCESS**

**Sharon Horsburgh** gave a presentation of the Solid Waste Management Plan Review process, which includes three stages over the next three years. Stage One will evaluate the existing system, Stage Two will identify strategy options for future planning and Stage Three will involve consultation and plan adoption if required. The draft Stage One Technical Report is being prepared by Maura Walker & Associates and will be made available at the RSWAC site tour meeting on June 20<sup>th</sup> 2013.

**Jan Hastings** questioned the role of the committee and asked if the committee would be reviewing the Stage 1 technical report?

**Sharon Horsburgh** replied that a draft copy of the Stage One report will be distributed at the June 20<sup>th</sup> meeting. Each Committee member will be given a copy to review over the summer and then at the October meeting, the RSWAC members will have an opportunity to provide feedback to staff.

**Wally Wells** questioned the timing of Metro Vancouver's Request for Proposals with regards to potential site identification for New Waste-to-Energy Capacity.

**Carey McIver** advised that Metro Vancouver is ahead of us with respect to seeking out options for future disposal capacity, as the RDN has sufficient disposal capacity for the next twenty years at the Regional Landfill.

**Dennis Trudeau** added that the Board has a keen interest in Waste-to-Energy. Staff has conducted studies on new and emerging technologies and the RDN will be paying close attention to Metro Vancouver's process.

### **SITE TOUR/NEXT MEETING**

Sharon Horsburgh advised that the June 20 meeting would include conducting a tour of Church Road Transfer Station, Porter Wood Recycling Ltd., Parksville Bottle & Recycling Depot Ltd., Nanaimo Recycling Exchange, BFI Canada Inc. (Springhill Road & 10<sup>th</sup> Avenue), Regional Landfill and ICC. The time would be from 11am-6pm. A meeting tour invitation will be e-mailed to all RSWAC members.

### **ADJOURNMENT**

The meeting was adjourned at 5:30 pm. The next meeting of the Regional Solid Waste Advisory Committee is tentatively scheduled for the June 20, 2013 tour.

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CHAIRPERSON

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

**(RDN Chambers)  
THURSDAY, September 12, 2013  
4:00 PM to 6:00 PM**

**A G E N D A**

- 1. CALL TO ORDER**
- 2. APPROVAL OF AGENDA & MINUTES FROM MAY 16, 2013 MEETING**
- 3. EXISTING SYSTEM REPORT/SUMMARY-PRESENTATION  
( S. Horsburgh / M. Walker)**
- 4. DISCUSSION/RSWAC INPUT**
- 5. NEXT STEPS (C. McIver / D. Trudeau)**
- 6. OTHER**
  - **METRO VANCOUVER WASTE TO ENERGY FACILITY SITING PROCESS**
  - **DISPOSAL OF ODS OZONE DEPLETING CFC REMOVAL (ATTACHMENT)**

Distribution:

George Holme, Chair	Meeting Chair, Director Electoral Area E
Howard Houle	Director Electoral Area B
Jim Kipp	City of Nanaimo
Ted Greves	City of Nanaimo
Wally Wells	Business Community - North
Dr. Jim McTaggart-Cowan	Environment Community
Frank Van Eynde	General Public - North
Jeremy Jones	General Public - South
Michael Recalma	Qualicum First Nation
Chief David Bob	Nanoose First Nation
Chief Douglas White III	Snuneymuxw First Nation
Ed Walsh	Waste Management – Private Sector
Jan Hastings	Waste Management – Non Profit Sector
Gary Franssen	City of Nanaimo
Al Metcalf	City of Parksville
Al Cameron	Town of Qualicum Beach
Fred Spears	District of Lantzville
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Shaun Malakoe	Central VI Health Unit
Dennis Trudeau	GM Transportation & Solid Waste Services, RDN
Carey McIver	Manager of Solid Waste, RDN
Sharon Horsburgh	Senior Zero Waste Coordinator, RDN
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Maggie Warren	Superintendent of Scale & Transfer Svcs

*For information only:*

*Joe Stanhope, Alec McPherson, Maureen Young, Julian Fell, Bill Veenhof, Mark Brown, Fred Manson, Paul Thorkelsson*

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, SEPTEMBER 12, 2013  
BOARD CHAMBERS**

**Present:**

George Holme, Chair	Director Electoral Area E
Howard Houle	Director Electoral Area B
Jim Kipp	City of Nanaimo
Ted Greves	City of Nanaimo
Wally Wells	Business Community - North
Dr. Jim McTaggart-Cowan	Environment Community
Frank Van Eynde	General Public - North
Michael Recalma	Qualicum First Nation
Jeremy Jones	General Public – North
Ed Walsh	Waste Management – Private Sector
Jan Hastings	Waste Management – Non Profit Sector
Gary Franssen	City of Nanaimo
Al Cameron	Town of Qualicum Beach
Fred Spears	District of Lantzville
Al Leuschen	Ministry of Environment
Alec McPherson	Director Electoral Area A

**Also in Attendance:**

Dennis Trudeau	GM Transportation & Solid Waste Services, RDN
Carey McIver	Manager of Solid Waste, RDN
Daniel Pearce	Manager, Transit Operations
Sharon Horsburgh	Senior Zero Waste Coordinator, RDN
Jeff Ainge	Zero Waste Program Coordinator, RDN
Maude Mackey	Zero Waste Compliance Officer, RDN
Maggie Warren	Superintendent of Scale & Transfer Services
Maura Walker	Maura Walker & Associates
Dave Willie	Town of Qualicum Beach

**Regrets:**

Karen Mattersbuch	Environment Canada
Al Metcalf	City of Parksville
Chief David Bob	Nanoose First Nation
Chief Douglas White III	Snuneymuxw First Nation

**CALL TO ORDER**

The Chairperson called the meeting to order at 4:07 pm.

**MINUTES**

MOVED F. Van Eynde, SECONDED G. Holme, that the minutes of Regional Solid Waste Advisory Committee regular meeting of May 16, 2013 be approved.

CARRIED

## EXISTING SYSTEM REPORT

**Maura Walker** presented the Draft Stage One Report to provide the Board with an overview of the existing solid waste management system, which described the key programs, policies and infrastructure along with base line performance data. Maura reviewed the trends in waste generation and how the RDN is the lowest generator of waste in the province. Maura Walker reviewed the waste composition data and talked about the key policy drivers to help Zero Waste and its diversion target. These programs include curbside organics collection yard waste management, recycling depots, future stewardship programs and BC's current Extended Producer Responsibility (EPR) Programs. The programs, policies, services and infrastructure in the RDN are indicative of an advanced solid waste system.

## DISCUSSION/RSWAC INPUT

**Howard Houle** started the discussion with enquiring about the garbage collection and in regards to one can every two weeks if there have been any stats done on how many extra cans are put out? Jeff Ainge replied that we sell around 10,000 extra tags a year, and that's been a reasonably static number and it does go up but the number of homes has also gone up. **Gary Franssen** commented that the City of Nanaimo does an annual curbside survey on all routes over a two week period, and that the one can limit services the needs. 92-94% of households only put out the one can per 2 week.

**Howard Houle** questioned on the multi-family pick-ups done by commercial haulers, are there any requirements to have the material sorted before it gets delivered to the dump? **Carey McIver** commented that Sharon Horsburgh had worked on the project to create a data base to determine whether there is recycling in place because we have banned paper and plastics and 94% had the services, so the haulers ensured that if they were providing garbage collection they were also providing recycling. There is no individual penalty to each unit, tag limit where multi-family can throw out as much as they want and there is no individual penalty to each unit.

**Jim McTaggart-Cowan** questioned if the RDN had asked residents what the problems were and if we had considered a different approach providing recycling service to multi-family units, something similar to individual family complex's? **Maura Walker** commented in researching and reading information on the multi-family sector, there is a lack of control due to anonymity and also a lack of direct interface with the resident and service provider. With single family dwellings there was a social pressure to participate and that they have blue bins or green bins and there is a social marketing benefit.

**Carey McIver** commented that a large number of multi-family units are ground level town homes. We know that 94% of the units have access to the service. There is less than 20% of the housing stock. Going forward it can be noted that Multi-family dwellings participation is a potential issue to follow up on as part of the SWMP review process.

**Jim McTaggart-Cowan** enquired about the yard waste collection, and historically has the RDN monitored the number of vehicles going in to the facilities? How many vehicles are actually bringing yard waste to RDN facilities, what is the average distance those vehicles are driving, the concern is that this system is not assisting with other environmental issues, what are you tracking as far as greenhouse gases, and the emissions as this approach is forcing people to drive to drop the yard waste off?

**Carey McIver** replied that we do track all facilities. In the waste composite, 2% of waste stream is yard waste and 7000-8000 tons gets diverted and then majority goes to International Composting Corp. (ICC) and it all gets weighed. We know how much was diverted and how many vehicles dropped off. The issue with yard waste is not diversion of yard waste, going forward the issue with yard waste is do single family customers want to pay for the convenience of having it picked up at the curb. **Gary Franssen** commented on the multi-family situation, that it is ownership of the problem and ownership of the cost. If you've got a property managed and not owner occupied, there is a dramatic difference. He also commented on the issue of yard waste collection and transportation that you also need to cover the alternatives which would generate a lot of greenhouse gases.

**Carey McIver** commented in regards to the emissions concern, that if we want to do a pilot for a couple of weeks we could ask scale house staff to monitor the distances. A lot of the long distances are from areas that there is no ban on burning.

**Ed Walsh** commented with recycling at multi-family units, there are economic incentives where the property management or owner of the facility would promote the recycling because it's economically more viable and the education of the resident to describe what is the best practice is needed. As a hauler contamination is significant for them and agrees that education to residents is important. Ed mentioned that he will bring a presentation from Monique Booth, CVRD, on apartment recycling to the RDN staff to review.

**Jim Kipp** questioned Page 27 in the report. How much recycling are we receiving from multi-family and how much is separated when it arrives at the facilities, and how do we educate?

**Carey McIver** commented on commercial loads coming to the landfill with banned material, the commercial hauler would have picked up from different businesses, so it's not easy, but bans on commercial cardboard, etc. As far as the educating, Carey stated that when we did the multi-family database the RDN's role was to provide consistent information to the residents.

**Maura Walker** noted that residential Printed Paper and Packaging (PPP) will be handled by Multi-Material British Columbia (MMBC) beginning May 2014. MMBC is a stewardship organization that is going to set up a new recycling system for all residents across BC and it will work with all local governments and local businesses to improve the recycling collection services. There is so much inconsistency all over the province that one way to improve is to develop one system for everyone across BC. Provincial ads, media TV and commercials will be operated by MMBC.

**Jan Hastings** inquired about WSML Licensing and questioned whether it had encouraged or discouraged private sector involvement in CD or do the WSML procedures have to be looked at all? And is there any feedback from the organizations that have licenses whether it is too costly to implement or is any part of that system is a barrier?

**Sharon Horsburgh** replied that based on the number of licenses (12) issued there is a vibrant recycling industry that through high grading and source separating materials. Neighboring jurisdictions provide have similar bylaws so the regulation creates a level playing field. Without that infrastructure, we would not have the diversion rates we have today. Without the recycling infrastructure we would not have the diversion rates we have today. With combination of bans this regulatory framework has been the driver behind the private sector infrastructure. The WSML bylaw is designed to create a level playing field

which protects the economic interests of local businesses and the enforcement mechanisms ensure a high standard of operation.

**Ed Walsh** commented that he didn't find the WSML licensing too restrictive but gives them a level of comfort. Having a proper licensed disposal site gives them the ability to compete against other haulers.

**Jim McTaggart-Cowan** commented on the collection depots and that when the program started the purpose was to have the collection depots located where people naturally were going i.e. shopping centers. Given that there are a number of EPR programs why is the RDN not picking up EPR materials at the CRTS and the Landfill?

**Carey McIver** replied that once there was an EPR program we banned the material from disposal. When products are under a stewardship program we would not accept it at the RDN facilities. Some local governments that have more room at their facilities and will take EPCOR materials. The RDN decided when those programs were available that we would no long accept those for disposal and direct stewardship materials to private facilities.

#### **ADJOURNMENT**

The meeting was adjourned at 5:30 pm.

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CHAIRPERSON

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

**(RDN Board Chambers) THURSDAY, December 11, 2014  
5:00 PM to 7:30 PM  
(Dinner to be served)**

**A G E N D A**

- 1. CALL TO ORDER**
- 2. SOLID WASTE MANAGEMENT PLAN (SWMP) PROCESS & EVALUATION OF OPTIONS (L.GARDNER)**
- 3. SWMP CONSULTATION PLAN (M. WALKER)**
- 4. PRIORITIZING THE ISSUES (S. HORSBURGH)**
  - **Table Top Exercise To Prioritize The Issues**
- 5. OTHER**
- 6. ADJOURNMENT**

**Distribution:**

To Be Announced	Chair, RDN Director	Michael Recalma	Qualicum First Nation
Frank Van Eynde	Member at Large	Chief & Council	Nanoose First Nation
Jeremy Jones	Business Representative	Chief & Council	Snuneymuxw First Nation
Ed Walsh	Waste Management Industry	Al Metcalf	City of Parksville
Wally Wells	Business Representative	Al Cameron	Town of Qualicum Beach
Jan Hastings	Non Profit Representative	Fred Spears	District of Lantzville
Jim McTaggart-Cowan	Member at Large	Charlotte Davis	City of Nanaimo
Kevin Arnold	Waste Management Industry	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		
Brian Dietrich	Member at Large		
Gerald Johnson	Member at Large		
Michele Green	Member at Large		
Amanda Ticknor	Member at Large		
Rod Mayo	Institutional Waste Generator		
Larry Gardner	Manager, Solid Waste Services, RDN		
Sharon Horsburgh	Senior Solid Waste Planner, RDN		
Daniel Pearce	A/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)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, DECEMBER 11, 2014  
BOARD CHAMBERS**

**Present:**

Joe Stanhope	Chair, RDN Director	Michael Recalma	Qualicum First Nation
Frank Van Eynde	Member at Large	Al Cameron	Town of Qualicum Beach
Jan Hastings	Non Profit Representative	Charlotte Davis	City of Nanaimo
Jim McTaggart-Cowan	Member at Large	Glenn Gibson	Island Heath
Kevin Arnold	Waste Management Industry	Rod Mayo	Institutional Waste Generator
John Finnie	Member at Large	Brian Dietrich	Member at Large
Craig Evans	Member at Large	Gerald Johnson	Member at Large
Ellen Ross	Member at Large	Michele Green	Member at Large
		Amanda Ticknor	Member at Large

**Also in Attendance:**

Larry Gardner	Manager of Solid Waste, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Daniel Pearce	A/GM Transportation & Solid Waste Services, RDN
Rebecca Graves	Recording Secretary, RDN
Paul Thorkelsson	CAO, RDN

**Regrets:**

Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Jeremy Jones	Business Representative
Wally Wells	Business Representative
Ed Walsh	Waste Management Industry
Fred Spears	District of Lantzville
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Al Metcalf	City of Parksville

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:25 pm.

**INTRODUCTIONS**

L. Gardner welcomed the committee members and round table introductions were done by individual committee members.

**MINUTES**

MOVED F. Van Eyde, SECONDED J. McTaggart-Cowan, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held October 8, 2014, be adopted.

CARRIED

## **SOLID WASTE MANAGEMENT PLAN (SWMP) PROCESS & EVALUATION OF OPTIONS (L. Gardner)**

L. Gardner gave a brief presentation which included an overview of the process and evaluation of options.

### **SWMP CONSULTATION PLAN (M. Walker & Associates)**

M. Walker gave a presentation on the consultation process for Solid Waste Management Plans and its three stages. Stage 1 includes an assessment of the existing system, Stage 2 develops and evaluates options and strategies for the future and Stage 3 to obtain community feedback on preferred options and then finalize plan.

The consultation plan components include a public and technical advisory committee(s), public and stakeholder consultation, First Nations consultation and Municipal consultation.

G. Johnson asked what the committee members should do if they are approached by residents and Rate Payers Associations that may request a presentation? Who should they ask?

L. Gardner commented that we do encourage committee members to talk to the community and inform them on the discussions that take place at these meetings but any press enquiries should be directed to RDN staff and if any presentations are requested to inform RDN staff.

F. Van Enyde questioned if the Residents Association's want a presentation can we make them aware of what we are doing? Would we consider doing that or at least could the directors receive copies of the meeting minutes so they are aware of what is discussed?

L. Gardner commented that we would be willing to provide presentations to community groups that are interested. The RDN will be but conducting extensive consultation as this is a regulatory requirement of the Plan review process.

J. Hastings enquired on the process of developing the plan for our consultation and communications plan if that would happen tonight or if at least a better understanding on how we would approach the plan?

M. Walker commented that we would at least come up with a consultation framework.

J. McTaggart-Cowan questioned how do we control the online survey so there isn't a particular group flooding the comments?

M. Walker clarified that the on line survey is only meant to test the waters and is a piece of information to help inform the process.

C. Evans commented that at this stage he recommends having more preliminary meetings with associations or community groups and reach out and engage the public as soon as possible.

J. Hastings remarked that people are really interested and should be educated first before making decisions. Does not believe we should have our first collaboration before we are selecting options.

A. Ticknor questioned in regards to Stage 1 is the survey available to view on line?

M. Walker replied that the survey is available for comments and that the draft newsletter will be sent out to homes and will be available on-line.

C. Evans reiterated that in Stage 2 he feels it would be beneficial to have the information displays and public service announcements to the public and have the dialogue start rather than in Stage 3.

J. McTaggart-Cowan mentioned that he believes it is the role of the committee members to bring that communication to various groups and present the information back to the group.

J. Finnie agreed that public meetings tend to bring people in and have them be heard. By the time you get to Stage 3, a lot of people in the public will be saying you've already made the decisions.

M. Walker commented that there is room for all ideas and the general public does want to be educated. Part of the committee's role is to represent the voice of the community and we need to bring that out.

#### **PRIORITIZING THE ISSUES (S. Horsburgh)**

S. Horsburgh gave an overview of the presentation which included putting the SWMP review in context, today's reality and underlying challenge, strategic planning approach to decision making, prioritizing the issues exercise and the next steps involved. Stage 2 of the plan review will involve five key elements which include issue identification, public interests, internal and external stakeholders, key messaging, media and evaluation.

J. McTaggart-Cowan questioned the waste success over the years of 2004 – 2012, what is the gross total in all the categories?

S. Horsburgh answered that the total waste diversion was broken down into categories based on WSMML reporting and landfill data. The data is included as an appendix in the Stage 1 report. The 2012 Waste Composition Study helps us to understand where the greatest diversion has been achieved.

L. Gardner replied that what was provided was a composition study of what was and is in the waste stream, but what wasn't presented is the waste generation prediction for the future. Future predictions and any information needed can be compiled together and presented at next meeting.

S. Horsburgh invited the committee to do a table top exercise to prioritize the issues that are marked on the posters and a review would follow.

A. Ticknor questioned if the table top exercise would be available online to further comment?

S. Horsburgh replied we can look at that it could be made available.

J. Hastings questioned when this plan was developed, and the landfill bans were implemented was it anticipated that increased diversion would result in shrinking landfill revenue? If so, what is the thinking that can guide future budget planning?

L. Gardner referred to some of the earlier discussion and work that has seen waste being exported off island because of increasing tipping fees in the region.

J. Finnie commented that when he was involved with Solid Waste, there was some discussion about what might happen if and when waste diversion programs started impacting tipping fees, i.e. the implication being that a reduction in the quantity of waste going to landfill may require an increase in tip fees to maintain the infrastructure. This could drive even more waste away from the landfill to illegal dumping and/or other facilities (like out of province) and further exacerbate the problem. Without additional revenue, this arrangement becomes unsustainable.

#### **OTHER**

L. Gardner noted that M. Walker will provide a recommended consultation framework and it will be available electronically. The plan is to have that framework available to adopt at our next meeting.

L. Gardner also mentioned that the RDN will provide a report to the Board early in the New Year regarding potential to reduce tipping fees to stabilize our revenue. This will be done while the management plan is being worked on.

G. Gibson questioned if the capacity at the Regional Landfill is able to accept an increased in percent of waste?

L. Gardner replied that we are not trying to attract garbage flow into the landfill but rather trying to adjust the fee to help to stabilize the industry.

J. Hastings asked what is the time frame attached to this recommendation?

L. Gardner commented that it would be up to the Board.

C. Evans enquired why not leave the tipping fee the same and ask the haulers to haul it away and pocket the difference rather than landfill the waste?

L. Gardner replied if we can stabilize it then we can make rational decisions for the future because it has implications to affect what we've achieved to date and also the loss of tonnage has an economic impact on local jobs vs jobs elsewhere. One concern is that there is such a disparity in fees, if we wait a year to figure things out there maybe no opportunity to change things back.

J. McTaggart-Cowan commented on lower the fees for industry but not for the public. If you reduce in one category you need to reduce for others.

A. Cameron questioned in regards to the commercial haulers, would you take other haulers from other areas if the tipping fee is reduced?

L. Gardner replied that our bylaw doesn't allow us accept material from out of district. But in terms of reduction, for commercial waste haulers, we are contemplating a reduced tipping fee for large generators.

D. Pearce commented that it's important to state that we don't encourage more garbage to the landfill but determining where we are going with zero waste.

**ADJOURNMENT**

The meeting was adjourned at 7:40pm.

*Alec McPherson*

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CHAIRPERSON

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

**THURSDAY, FEBRUARY 19, 2015, 5:00 PM - 7:30 PM  
RDN Board Chambers  
(Dinner to be served)**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

**2-6** Minutes of the Regional Solid Waste Advisory Committee meeting held December 11, 2014.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

**REPORTS**

**Future Population and Demographics (P. Thompson)**

**Finalize Consultation Plan (L. Gardner)**

**Stage One Review & Update (S. Horsburgh)**

**Finalize the Issues (S. Horsburgh)**

**-Meeting Schedule**

**Region Wide Newsletter & Survey Questions (S. Horsburgh)**

**Future Waste Generation Projections (L. Gardner)**

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Michael Recalma	Qualicum First Nation
Frank Van Eynde	Member at Large	Chief & Council	Nanoose First Nation
Jeremy Jones	Business Representative	Chief & Council	Snuneymuxw First Nation
Ed Walsh	Waste Management Industry	Al Metcalf	City of Parksville
Wally Wells	Business Representative	Al Cameron	Town of Qualicum Beach
Jan Hastings	Non Profit Representative	Fred Spears	District of Lantzville
Jim McTaggart-Cowan	Member at Large	Charlotte Davis	City of Nanaimo
John Finnie	Member at Large	Al Leuschen	Ministry of Environment
Craig Evans	Member at Large	Karen Muttersbach	Environment Canada
Ellen Ross	Member at Large	Glenn Gibson	Island Health
Brian Dietrich	Member at Large		
Gerald Johnson	Member at Large		
Michele Green	Member at Large		
Amanda Ticknor	Member at Large		
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**For information only:**

Regional Board Members: CAO's: Paul Thorkelsson (RDN), Twyla Graff (District of Lantzville), Marc Lefebvre (City of Parksville), Teunis Westbroek (Town of Qualicum),

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, FEBRUARY 19, 2015  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director	Michael Recalma	Qualicum First Nation
Frank Van Eynde	Member at Large	Al Cameron	Town of Qualicum Beach
Jan Hastings	Non Profit Representative	Charlotte Davis	City of Nanaimo
Wally Wells	Business Representative	Glenn Gibson	Island Heath
Gerald Johnson	Member at Large	Michele Green	Member at Large
John Finnie	Member at Large	Amanda Ticknor	Member at Large
Craig Evans	Member at Large	Ellen Ross	Member at Large

**Also in Attendance:**

Larry Gardner	Manager of Solid Waste, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Daniel Pearce	A/GM Transportation & Solid Waste Services, RDN
Rebecca Graves	Recording Secretary, RDN
Paul Thorkelsson	CAO, RDN
Teunis Westbroek	Mayor, Town of Qualicum
Paul Thompson	Manager, Long Range Planning, RDN

**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
Fred Spears	District of Lantzville
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Al Metcalf	City of Parksville
Jim McTaggart-Cowan	Member at Large
Brian Dietrich	Member at Large

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:20 pm.

**MINUTES**

MOVED F. Van Eyde, SECONDED G. Johnson, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held December 11, 2014, be amended and adopted as per discussion.

CARRIED

## REPORTS

### **Future Population and Demographics (P. Thompson)**

P. Thompson presented the Future Population and Demographics presentation for the RDN. Other areas were referenced which included City of Parksville, Town of Qualicum, City of Nanaimo and 7 Electoral areas. The presentation included population growth, profile, distribution and housing comparisons within the RDN and City of Nanaimo. The projected stats are compiled from Census Canada and BC Stats.

F. Van Eynde questioned if there were any studies done for survival rates for the 40-50 year olds?

C. Davies asked if there was any information of the number of households that are receiving collection services from other municipalities?

G. Johnson questioned if there any statistics available to come up with assessed value by housing type?

P. Thompson commented that he could look into this and get back to Committee.

C. Evans questioned if there is any historical data that goes back 35 years that could show what occurred and then translate what the diversion rates were.

P. Thompson replied that it would be difficult to obtain those records as BC Stats do not date back that far.

### **Finalize Consultation Plan (L. Gardner)**

L. Gardner informed the Committee that following the presentation by Maura Walker in December 2014, the Consultation and Communications Plan has been revised and submitted to the Ministry of Environment for comment. This Plan is our commitment to do consultation and how we will move forward.

MOVED G. Johnson, SECONDED J. Finnie, that the Consultation Plan be adopted.

The motion was amended to include a request by the Committee that public consultation should occur in Stage 2 as well as Stage 3.

CARRIED

**Stage One Review & Update (S. Horsburgh)**

S. Horsburgh gave an overview of the Stage One Report and discussed how it was presented at several public forums which included a Hauler's and Recycling Roundtable meeting, RDN Board Members Workshop, Zero Waste Community Workshop and two RSWAC meetings. Current system includes key programs, policies and infrastructure. A discussion occurred in regards to the Stage 1 process and to review issues and opportunities moving forward. The next step is to present the Stage One report and issues to the Select Committee and then to the RDN Board for approval.

**Finalize the Issues (S. Horsburgh)**

S. Horsburgh discussed the Issues and Work plan document that Committee members had received. The document outlines the issues captured from the results of the findings in the Stage One Existing System report and stakeholder meetings. The work plan reflects the issues identified to date.

**Region Wide Newsletter & Survey Questions (S. Horsburgh)**

S. Horsburgh gave a demonstration of the web based Solid Waste Management Plan survey and invited feedback on the newsletter & survey questions.

**Future Waste Generation Projections (L. Gardner)**

L. Gardner briefly outlined the presentation on why future waste generation projections were important. Forecasting future waste generation is effected by a number of variables such as regional growth, stewardship programs, waste export and consumerism.

**ADJOURNMENT**

MOVED J. Hastings that the meeting be adjourned.

CARRIED

  
\_\_\_\_\_  
CHAIRPERSON

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

**THURSDAY, APRIL 16, 2015, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

3-5 Minutes of the Regional Solid Waste Advisory Committee meeting held February 19, 2015.

**BUSINESS ARISING FROM THE MINUTES**

Update on Consultation (S. Horsburgh)

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

**REPORTS**

6-12 2 R's - Reduce, Reuse & EPR (M. Larson) (to be circulated)

13-21 3<sup>rd</sup> R - Recycling & End Uses (S. Horsburgh) (to be circulated)

Residential Curbside Collection Program Overview (C. Davies/J. Ainge)  
(presentation)

**ADDENDUM**

**SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES**

22-23 Minutes of the Solid Waste Management Select Committee meeting held Wednesday, March 11, 2015 (for information).

24-25 Minutes of the Solid Waste Management Select Committee meeting held Thursday, April 2, 2015 (for information).

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

Update from Regional Solid Waste Management Select Committee. (L. Gardner)

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Michael Recalma	Qualicum First Nation
Jim Kipp	Deputy Chair		
Frank Van Eynde	Member at Large	Chief & Council	Nanoose First Nation
Jeremy Jones	Business Representative	Chief & Council	Snuneymuxw First Nation
Ed Walsh	Waste Management Industry	Al Metcalf	City of Parksville
Wally Wells	Business Representative	Al Cameron	Town of Qualicum Beach
Jan Hastings	Non Profit Representative	Fred Spears	District of Lantzville
Jim McTaggart-Cowan	Member at Large	Charlotte Davis	City of Nanaimo
John Finnie	Member at Large	Al Leuschen	Ministry of Environment
Craig Evans	Member at Large	Karen Muttersbach	Environment Canada
Ellen Ross	Member at Large	Glenn Gibson	Island Health
Brian Dietrich	Member at Large		
Gerald Johnson	Member at Large		
Michele Green	Member at Large		
Amanda Ticknor	Member at Large		
Rod Mayo	Institutional Waste Generator		
Larry Gardner	Manager, Solid Waste Services, RDN		
Sharon Horsburgh	Senior Solid Waste Planner, RDN		
Daniel Pearce	A/GM Transportation & Solid Waste Services, RDN		
Jeff Ainge	Zero Waste Coordinator, RDN		
Shelleen Schultz	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, 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.

### 3<sup>rd</sup> 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



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CHAIRPERSON

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

**THURSDAY, MAY 14, 2015, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

Jan Hastings, Nanaimo Recycling Exchange.

**MINUTES**

- 3-5 Minutes of the Regional Solid Waste Advisory Committee meeting held February 19, 2015.
- 6-8 Minutes of the Regional Solid Waste Advisory Committee meeting held April 16, 2015.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

- 9-9 Option Identification Exercise Table from April 16, 2015 RSWAC meeting. (to be circulated)

**REPORTS**

Local Governments Authority. (L. Gardner – to be circulated at meeting)

Table Top Exercise on Future Options

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

**ADDENDUM**

**SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES**

- 10-27 Landfill Tip Fee Analysis Report (to be circulated)
- 28-30 Authority under the RDN's Solid Waste Management Plan to regulate Municipal Solid Waste. (to be circulated)
- 31-33 Disposal Facility Future Cost Projections. (to be circulated)

**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
Jeremy Jones	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		
Rod Mayo	Institutional Waste Generator		

Larry Gardner	Manager, Solid Waste Services, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Daniel Pearce	A/GM Transportation & Solid Waste Services, RDN
Jeff Ainge	Zero Waste Coordinator, 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 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 3<sup>rd</sup> 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**

**THURSDAY, MAY 28, 2015, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

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

**MINUTES**

3-4 Minutes of the Regional Solid Waste Advisory Committee meeting held May 14, 2015.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

**REPORTS**

5-13 An Overview of Multi-Material Recycling Facilities.  
(S. Horsburgh – to be circulated)

Presentation – Brief overview of current MRF technology and ownership in the RDN. (S. Horsburgh)

Table Top Group Exercise.  
What is the future of MRF technology in the RDN context?

**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
Jeremy Jones	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		
Rod Mayo	Institutional Waste Generator		

**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
Daniel Pearce	A/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 Health
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**

**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, 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
Wally 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**

**THURSDAY, July 9, 2015, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

3-6 Minutes of the Regional Solid Waste Advisory Committee meeting held June18, 2015.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

**REPORTS**

Overview of Zero Waste Plan (S. Horsburgh – presentation)  
Overview of Regulatory Authorities (L. Gardner – report & presentation)

SWMP Review Survey

**GROUP EXERCISE**

Approval of the SWMP can provide the RDN additional authorities. Which regulatory authorities should be considered for inclusion in the SWMP? How might additional authorities improve diversion?

**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 Cameron	Town of Qualicum Beach
Ed Walsh	Waste Management Industry	Fred Spears	District of Lantzville
Wally Wells	Business Representative	Charlotte Davis	City of Nanaimo
Jan Hastings	Non Profit Representative	Al Leuschen	Ministry of Environment
Jim McTaggart-Cowan	Member at Large	Karen Muttersbach	Environment Canada
John Finnie	Member at Large	Glenn Gibson	Island Health
Craig Evans	Member at Large		
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		

**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
Meghan Larson	Special Projects Coordinator

***For information only:***

Regional Board Members: CAO's: Paul Thorkelsson (RDN), Jim Dias (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, 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**

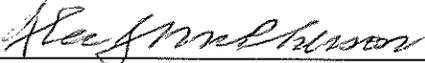
**SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES**

**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**

**THURSDAY, September 17, 2015, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

3-6 Minutes of the Regional Solid Waste Advisory Committee meeting held July 9, 2015.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

**REPORTS**

7-14 Update on Communications and SWMP Review Survey. (S. Horsburgh – Update)  
Regulatory Authorities to increase diversion. (L. Gardner – Report & Presentation)

**GROUP EXERCISE**

Approval of the SWMP can provide the RDN additional authorities. Which regulatory authorities should be considered for inclusion in the SWMP? How might additional authorities improve diversion?

**ADDENDUM**

**SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

Future Reports.  
Next Solid Waste Management Select Committee Meeting.

**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	Bob Weir	Town of Qualicum Beach
Ed Walsh	Waste Management Industry	Fred Spears	District of Lantzville
Wally Wells	Business Representative	Charlotte Davis	City of Nanaimo
Jan Hastings	Non Profit Representative	Al Leuschen	Ministry of Environment
Jim McTaggart-Cowan	Member at Large	Karen Muttersbach	Environment Canada
John Finnie	Member at Large	Glenn Gibson	Island Health
Craig Evans	Member at Large		
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		

**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
Meghan Larson	Special Projects Coordinator

***For information only:***

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

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

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

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

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

3-7 Minutes of the Regional Solid Waste Advisory Committee meeting held Sept. 17, 2015.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

8-9 Letter from NextUse Recycling Ltd. dated October 27, 2015 re. Mixed Waste Recovery Facility.

10-14 SWANA Article re. *A Comparative Analysis of Source-Separation and Mixed Waste Recycling Systems in Charlotte, NC, and Montgomery, AL.*

**UNFINISHED BUSINESS**

**REPORTS**

15-21 Curbside Collection Program – Compliance and Enforcement to Improve Diversion.  
(J. Ainge – Presentation with Group Discussion to Follow)

22-24 Curbside Collection Program – Household Glass Collection.  
(M. Larson - Presentation with Group Discussion to Follow)

25-30 Curbside Collection Program – Yard Waste Collection.  
(S. Horsburgh - Presentation with Group Discussion to Follow)

**ADDENDUM**

**SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES**

31-32 Minutes of the Solid Waste Management Select Committee meeting held October 7, 2015.

**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	John Marsh	Town of Qualicum Beach
Ed Walsh	Waste Management Industry	Fred Spears	District of Lantzville
Wally Wells	Business Representative	Charlotte Davis	City of Nanaimo
Jan Hastings	Non Profit Representative	Al Leuschen	Ministry of Environment
Jim McTaggart-Cowan	Member at Large	Karen Muttersbach	Environment Canada
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Craig Evans	Member at Large		
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		

**RDN Staff:**

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

***For information only:***

Regional Board Members: CAO's: Paul Thorkelsson (RDN), Brad McRae (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, NOVEMBER 5, 2015  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Craig Evans	Member at Large
John Finnie	Member at Large
Gerald Johnson	Member at Large
Frank Van Eynde	Member at Large
Ellen Ross	Member at Large
Amanda Ticknor	Member at Large
Jim McTaggart-Cowan	Member at Large
Michele Green	Member at Large
Larissa Coser	Community Representative
Derek Haarsma	Business Representative
Jan Hastings	Non Profit 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
Jeff Ainge	Zero Waste Coordinator

**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
Jim Kipp	RDN Director, Deputy Chair
Michael Tripp	Business Representative
Wally Wells	Business Representative
Stewart Young Jr.	Business Representative
John Marsh	Town of Qualicum Beach
Ed Walsh	Waste Management Industry

**CALL TO ORDER**

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

**DELEGATES**

**MINUTES**

MOVED F. Van Eynde, SECONDED G. Johnson, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held Sept. 17, 2015, be adopted. CARRIED

## **BUSINESS ARISING FROM THE MINUTES**

### **COMMUNICATIONS/CORRESPONDENCE**

#### **Letter from NextUse Recycling Ltd. dated October 27, 2015 re. Mixed Waste Recovery Facility.**

MOVED G. Johnson, SECONDED F. Van Eynde, that the correspondence from NextUse Recycling Ltd. dated October 27, 2015 regarding a Mixed Waste Recovery Facility be received.

CARRIED

#### **SWANA Article re. A Comparative Analysis of Source-Separation and Mixed Waste Recycling Systems in Charlotte, NC, and Montgomery, AL.**

MOVED G. Johnson, SECONDED F. Van Eynde, that the article from SWANA regarding *A Comparative Analysis of Source-Separation and Mixed Waste Recycling Systems in Charlotte, NC, and Montgomery, AL.* be received.

CARRIED

### **UNFINISHED BUSINESS**

S. Horsburgh introduced a decision making tool (DMT) which is an online audience polling tool that engages the public's interest and allows for participant anonymity. After each presentation a discussion on the topic will occur and then vote using the DMT.

### **REPORTS**

#### **Curbside Collection Program – Compliance and Enforcement to Improve Diversion. (J. Ainge)**

J. Ainge gave a presentation on the Compliance and Enforcement report on possible opportunities to improve diversion rates through the existing curbside collection programs. The residential sector contributes the smallest amount of waste to landfill at 17%. Households receiving curbside collection service throughout the region are achieving a 60% diversion rate through their participation in the curbside recycling and food waste collection programs. Despite this laudable achievement, compostable organic waste still enters the waste stream.

Options to improve curbside compliance and participation in diversion programs include targeted outreach and education activities focusing on organics and other recyclable materials, extending the organics disposal ban to include food waste from residential sources

It was noted that focusing efforts on the commercial sector, along with the multi-family housing sector is likely to have greater impact than targeting curbside collection.

A group discussion followed and there was strong support for enforcement of recycling in multi-family dwellings (MFD). It was clarified that the DMT was only to consider residential collection and the result showed a slight preference to transition to more enforcement acceptable waste types set out at curb (i.e. proper separation of waste, organics and recyclables).

The DMT showed 62% favour in transitioning to more enforcement. It was noted that the DMT should have included a status quo option which would have influenced the result.

### **Curbside Collection Program – Household Glass Collection. (M. Larson)**

M. Larson provided a presentation on the Household Glass Collection report which included a brief history of glass collection in the RDN and options for curbside glass collection.

Household glass containers have not been accepted as part of curbside recycling for several years in this region, and staff are not aware of any glass processors located in the Province who are capable of taking glass and making new glass containers. In 2009, an analysis of the RDN's curbside materials estimated glass containers made up about 5% of the overall recyclables set out for collection. With the advent of the Province's packaging and printed paper stewardship program, operated by the stewardship agency MMBC, household glass containers are considered packaging. Glass containers are accepted at no charge at six depots throughout the region that get paid by MMBC to handle the material.

A change to the curbside recycling collection programs operated by the CoN and RDN would require approval from MMBC, as well as contract changes for the curbside collection contractor. The CoN is contemplating service level options as a new collection system is phased in; this could include glass collection for their customers.

There is limited diversion impact in reinstating glass to the curbside recycling, and any change will come with costs (i.e., two collection trucks estimated at \$190,000/year to serve the RDN curbside routes). Glass collection can be included in contract renewal discussions with the collection contractor and MMBC when the time comes, however no immediate changes as part of the SWMP action items are foreseen.

A group discussion followed and the DMT polling results showed 38% favoured the inclusion of glass in the in the curbside collection program. It was noted that the DMT should have included a status quo option which would have influenced the result.

### **Curbside Collection Program – Yard Waste Collection. (S. Horsburgh)**

S. Horsburgh gave a presentation on the current yard waste management practices; determine if there is an opportunity to add yard waste collection to the curbside program and to calculate diversion benefits.

Support for introducing curbside yard waste collection hovers around 40 to 60% based on surveys completed in the region over recent years. That support drops when respondents are asked about their willingness to pay for such a service. Even without curbside collection, approximately 12,000 tonnes of yard waste is diverted from disposal each year due to residents' use of yard waste drop-off facilities coupled with backyard composting activity. Compare this with less than 3,000 tonnes estimated to enter the landfill, of which only an estimated 225 tonnes is attributed to curbside sources.

The City of Nanaimo reports their intention to conduct public engagement in Fall/Winter of 2015. With the introduction of automated collection in Nanaimo, Council has asked staff to review the appetite of City residents for collection of Yard Waste. Staff and Council in Nanaimo regularly hear from residents that they wish to receive collection of Yard Waste, the question remains as to how much they are willing to pay. At a Council meeting in June 2015 City staff reported to Council that, of the 15 largest Cities in BC (of which Nanaimo is ninth), nine of them collected yard waste. City staff also noted as part of this

report that the average user rate of the 15 largest municipalities in BC is \$197 per household per year, compared to the City rate of \$99.75 per year.

Based on the 2012 waste composition study and data from facilities handling this material, roughly 80% of yard waste generated in the RDN is already diverted from landfill disposal. The collection of yard waste at the curb will not contribute significantly to the region's diversion goals, but the impression is that such a service will provide a much higher level of convenience for the resident generating the waste.

Curbside collection of yard waste is likely to reduce greenhouse gas emissions by reducing vehicle trips to the receiving facilities, but compulsory collection could also result in more yard waste being captured since residents would be paying for the service whether they used it or not. The most significant contribution to the region's sustainability goals associated with the introduction of curbside yard waste collection would be the rationale to extend backyard burning bans to more areas in the RDN.

A group discussion followed and the results from DMT polling indicated 23% supported including yard waste at curbside 23% were unsure of whether it should be included in the program. It was noted that the DMT should have included a status quo option which would have influenced the result.

#### **ADDENDUM**

#### **SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES**

MOVED G. Johnson, SECONDED J. McTaggart-Cowan, that the minutes from the meeting of the Solid Waste Select Committee meeting held October 7, 2015, be adopted. CARRIED

#### **NEW BUSINESS**

Next RSWAC meeting will be held November 26, 2015.

#### **ADJOURNMENT**

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

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CHAIRPERSON

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

**THURSDAY, NOVEMBER 26, 2015, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

Larissa Coser, Zero Waste Nanaimo (20 mins)

**MINUTES**

3-6 Minutes of the Regional Solid Waste Advisory Committee meeting held Nov. 5, 2015.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

7-12 NextUse Presentation to RDN Letter July 2015.

13-16 Residual Management Scope of Work Staff Report Nov. 2015.

17- 22 Solid Waste Management Plan Community Consultation Summary Report.

**UNFINISHED BUSINESS**

**REPORTS**

23-27 Technical Memorandum: Share Shed Programs at Regional District of Nanaimo Solid Waste Facilities. (S. Horsburgh – Presentation)

28-38 Technical Memorandum: EPR Materials at Regional District of Nanaimo Solid Waste Facilities. (M. Larson - Presentation)

**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	John Marsh	Town of Qualicum Beach
Ed Walsh	Waste Management Industry	Fred Spears	District of Lantzville
Wally Wells	Business Representative	Charlotte Davis	City of Nanaimo
Jan Hastings	Non Profit Representative	Al Leuschen	Ministry of Environment
Jim McTaggart-Cowan	Member at Large	Karen Muttersbach	Environment Canada
John Finnie	Member at Large	Glenn Gibson	Island Health
Craig Evans	Member at Large		
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		

**RDN Staff:**

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

***For information only:***

Regional Board Members: CAO's: Paul Thorkelsson (RDN), Brad McRae (District of Lantzville), Fred Manson (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, NOVEMBER 26, 2015  
BOARD CHAMBERS**

**Present:**

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

**Also in Attendance:**

Maureen Young	RDN Director
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:**

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
Michael Tripp	Business Representative
Wally Wells	Business Representative
John Marsh	Town of Qualicum Beach
Ed Walsh	Waste Management Industry
Ellen Ross	Member at Large
Charlotte Davis	City of Nanaimo
Jeff Ainge	Zero Waste Coordinator

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:03 PM and respectfully acknowledged the Coast Salish Nations on whose traditional territory the meeting took place.

## DELEGATES

### **Darlene Arksey, Administrative Assistant, Woodgrove Centre**

D. Arksey gave a verbal presentation on Woodgrove Centre's Corporate Sustainability Policy and their recycling program. In the spring, a company comes to the Centre and performs a waste audit. Woodgrove facilities staff provides education to their retail tenants however, their biggest challenge is trying to get customers, retailers and staff on board with recycling. Retailers are concentrating on selling not sorting recyclables and the majority of stores lack the space for storing recyclables for collection. The Centre has 30 – 95 gallon totes for organics which are changed out twice a week or more if needed. The loading bays have 6 blue bins for recycling and organic bins are available in the back hallways in the food court for tenants to dispose of their organics. Garbage is gathered from retailers and is sorted through, pictures are taken and then the retailers are approached to review what could have been recycled.

J. McTaggart-Cowan asked if she is aware of the recycling efforts in other malls.

D. Arksey responded she is unsure of the level of recycling at Nanaimo North and Country Club Mall.

C. Evans questioned if the expansion plans for Woodgrove Centre include resolving the lack of space or storage issue?

D. Arksey explained that the Centre is not expanding but renovating which includes new tile and lighting changes, etc.

J. Hastings questioned if it was mandatory or optional for the businesses to recycle?

D. Arksey replied that the Centre tries to make it mandatory when new leases are signed. There are strict rules but enforcement doesn't occur as they don't have the staff to enforce.

J. Hastings enquired if one of the options was to have local government regulate businesses and what do you think it should look like to be useful?

D. Arksey replied that the attitude is that once the recycling is put into the Centre's bins it is no longer the retailer's responsibility and even if legislation was put into place it would be hard to enforce. The fact that the Centre's diversion rate has increased shows improvement.

D. Haarsma enquired if their shopping mall in Alberta was actually recycling or landfilling?

D. Arksey commented she wasn't sure but would find out and forward that information to him.

J. McTaggart-Cowan commented that his observation on EPR is that it is not working because the retailers are part of the production side and EPR is producer responsibility not consumer responsibility. The retailers aren't recognizing that part of their business is to manage materials put out there that end up as waste.

J. Kipp stated that Nanaimo malls are the biggest tax payers as well as large generators of waste and have the potential to recycle more and should be receiving assistance from the City or the region.

**Larissa Coser, Zero Waste Nanaimo**

L. Coser from Zero Waste Nanaimo provide a Presentation on how Zero Waste works and the Zero Waste Hierarchy. Some principles and practical steps towards zero waste include:

1. Adopt the Zero Waste definition of ZWIA
2. Establish targets and a timeline
3. Engage the whole community
4. Demand decision makers manage resources not waste
5. Educate residents, businesses and visitors
6. Build Residual Separation and Research Facilities
7. Develop New Rules and Incentives to move towards ZW
8. Remove government subsidies for wasting
9. Support Zero Waste Procurement
10. Expand Zero Waste Infrastructure
11. Challenge Businesses to lead the way to Zero Waste.

L. Coser described Zero Waste in Action which includes community engagement and education within businesses, waste management at events, product and packaging information for the public and being the voice of Zero Waste to local government. Industrial, commercial and institutional sectors produce more than half of our waste and one question is how can we change the behavior of these large waste generators and help them get to Zero Waste? This would include waste audits, toolkits, Green Teams, Industry experts and consultants and education that supports regulations & bans.

G. Johnson questioned what cost would the community be willing to bare to achieve zero?

L. Coser replied that 69% surveyed were willing to pay more and if we know our goal is zero waste we know how to target our resources.

G. Johnson mentioned he believes we should be looking at introducing a grant application process for community groups and other organizations like Zero Waste Nanaimo, and consider it as a recommendation.

J. McTaggart-Cowan questioned what rules are there within the RDN to make sure the RDN is only purchasing recyclable/returnable items and avoiding generating waste?

D. Trudeau replied that the RDN does not have a formal purchasing policy for purchasing recycled/returnable items but rather our polices ensure, on the financial side, that we are giving value to the taxpayers and making sure we use the competitive bid process.

J. Kipp commented that zero waste has always been a vision for the community and it is an ethical decision to aim for 100% waste diversion.

L. Coser questioned if it would be possible to put a vote forward on using zero waste as a road map for the decisions made in the Committee?

A discussion ensued around the topic of zero waste and how it should be included in the future Solid Waste Management Plan.

D. Trudeau advised the committee that a staff report will be prepared outlining the RDN's current zero waste plan and brought forward to the next meeting.

## MINUTES

MOVED J. McTaggart-Cowan, SECONDED G. Johnson, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held November 26, 2015, be adopted. CARRIED

J. McTaggart-Cowan requested that his comment regarding adding a status quo option for the in the electronic polling exercise be reflected in the November 5, 2015 minutes.

L. Gardner commented that minutes would be amended accordingly.

## BUSINESS ARISING FROM THE MINUTES

G. Johnson conducted some independent research on glass recycling in the US and shared the following findings with the committee: glass is being used as a component in aggregate, in concrete and asphalt and also as glass pellets for sandblasting. G. Johnson requested that the RDN do further research and find similar ways to use recycled glass content.

A. McPherson noted that the RDN does not have a highway facility and this research would fall under Ministry of Transportation's jurisdiction.

## COMMUNICATIONS/CORRESPONDENCE

MOVED G. Johnson, SECONDED J. McTaggart-Cowan, that the following communications / correspondence be received. CARRIED

NextUse Presentation to RDN Letter July 2015.

Residual Management Scope of Work Staff Report Nov. 2015.

Solid Waste Management Plan Community Consultation Summary Report.

## UNFINISHED BUSINESS

### REPORTS

#### **Technical Memorandum: Share Shed Programs at Regional District of Nanaimo Solid Waste Facilities. (S. Horsburgh)**

S. Horsburgh introduced a slide presentation on Share Shed programs at Regional Waste Facilities. Share Sheds give customers the opportunity to set aside items in good condition for re-use by others instead of landfilling as this may result in higher waste diversion.

Installing Share Sheds would have a number of short term costs including site preparation, engineering, buildings and signage and capital costs at the two facilities could be approximately \$13,000. It is estimated that annual operating costs could be approximately \$190,000 per annum for the two sites.

The RSWAC made the following comments on the presentation:

- agreed that a Share Shed type program is an excellent idea but not to be located at regional facilities.
- Nanaimo already has other options provided by social service organizations in the community.
- A share Shed at a Regional facility should not be operated by the RDN but possibly operated by a non-profit organization.

**Technical Memorandum: EPR Materials at Regional District of Nanaimo Solid Waste Facilities.  
(M. Larson)**

M. Larson presented a slide presentation on the RDN introducing EPR recycling program at the Regional Landfill and CRTS for products such as packaging, cell phones, & batteries.

Currently, there are several for-profit and non-profit depots in the Nanaimo and Parksville areas where EPR items are accepted. Taking on EPR at the regional facilities could negatively impact revenue at these facilities that depend on the materials collected from EPR programs. Collection rebates are offered by some programs, and help to offset the costs of providing this service.

The introduction of EPR programs at the sites would have a number of short term costs including site preparation, engineering, new equipment, buildings and signage. The preliminary cost is estimated at \$250,000 to accommodate increased recycling. Over the long term there would be additional labour costs in providing two additional personnel. It is estimated that there would be an additional cost of \$380,000 per annum to staff the expanded recycling at both regional facilities.

Discussion on this item will take place at the next RSWAC meeting under unfinished business.

**ADDENDUM**

J. McTaggart-Cowan introduced the topic of challenges with source separation faced by the IC&I sector that hasn't been addressed. Given the nature of the size of the sector the need for a report with solid statistics on categories, breakdowns of the IC&I sector, and classes of the groups involved is needed.

L. Gardner replied that staff report is currently developing a report and it will be sent out in advance for the next meeting.

D. Haarsma's comments on the IC&I sector will be presented at a future meeting.

**SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES**

**NEW BUSINESS**

**ADJOURNMENT**

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

  
\_\_\_\_\_  
CHAIRPERSON

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

**THURSDAY, January 14, 2016, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

3-7 Minutes of the Regional Solid Waste Advisory Committee meeting held Nov. 26, 2015.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

**REPORTS**

8-31 Technical Memorandum: Jurisdictional Scan Regarding Waste Diversion Programs.  
(L. Gardner - Presentation)

32-46 Technical Memorandum: RDN's Zero Waste Plan.  
(S. Horsburgh – Presentation)

47-59 Technical Memorandum: Multi-Family & IC&I Recycling in the RDN.  
(M. Larson - Presentation)

**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	John Marsh	Town of Qualicum Beach
Ed Walsh	Waste Management Industry	Fred Spears	District of Lantzville
Wally Wells	Business Representative	Geoff Goodall	City of Nanaimo
Jan Hastings	Non Profit Representative	Al Leuschen	Ministry of Environment
Jim McTaggart-Cowan	Member at Large	Karen Muttersbach	Environment Canada
John Finnie	Member at Large	Glenn Gibson	Island Health
Craig Evans	Member at Large		
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		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN
Meghan Larson	Special Projects Coordinator
Jeff Ainge	Zero Waste Coordinator, RDN
Rebecca Graves	Recording Secretary, RDN

**For information only:**

Regional Board Members: CAO's: Dennis Trudeau (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, JANUARY 14, 2016  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Frank Van Eynde	Member at Large
Jan Hastings	Non Profit Representative
Jim McTaggart-Cowan	Member at Large
Craig Evans	Member at Large
John Finnie	Member at Large
Gerald Johnson	Member at Large
Amanda Ticknor	Member at Large
Michael Tripp	Business Representative
Wally Wells	Business Representative
Geoff Goodall	City of Nanaimo

**Also in Attendance:**

Maureen Young	RDN Director
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	CAO, RDN

**Regrets:**

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
John Marsh	Town of Qualicum Beach
Ed Walsh	Waste Management Industry
Ellen Ross	Member at Large
Charlotte Davis	City of Nanaimo
Jeff Ainge	Zero Waste Coordinator
Jim Kipp	Deputy Chair, RDN Director
Derek Haarsma	Business Representative
Michele Green	Member at Large
Larissa Coser	Community Representative
Stewart Young Jr.	Business Representative

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:05 PM and respectfully acknowledged the Coast Salish Nations on whose traditional territory the meeting took place.

## **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 November 26, 2015, be adopted. CARRIED

### **BUSINESS ARISING FROM THE MINUTES**

M. Larson reviewed her slide presentation from the Nov. 26, 2015 RSWAC meeting giving an overview of EPR collection practices in the Region.

Currently, there are several for-profit and non-profit depots throughout the Region that accept stewardship items as well as return to retailer options. Taking on EPR at the regional facilities could negatively impact revenue at these facilities that depend on the materials collected from EPR programs. EPR collection at both Regional Facilities could result in an estimated 0.2-0.5% waste diversion. No additional authorities would be required for the RDN to introduce EPR collection at both regional facilities, however, it would require RDN Board approval. Things to consider for the SWMP are convenience, cost implications, diversion impacts, current regulatory framework and impact on other depots.

J. McTaggart-Cowan questioned if the EPR Stewardship agencies in the region felt that coverage was adequate?

M. Larson replied that the RDN did speak with EPR agencies and on average they do have high user rates for local depots. Northern regions there are not so many options for depots.

S. Horsburgh responded that the RDN is a member of the BC Product Stewardship Council and discussions do occur with Ministry of Environment on the topic of stewardship programs in Regional Districts.

J. Hastings commented that she would much rather see collection for hard to recycle items than already stewarded items that would compete with existing depots.

W. Wells questioned why compete with existing programs and rather subsidize or find mechanisms to deal with existing programs and keep jobs in private sector?

The discussion demonstrated a low level of support to proceed with EPR collection at regional facilities.

### **COMMUNICATIONS/CORRESPONDENCE**

#### **UNFINISHED BUSINESS**

#### **REPORTS**

#### **Technical Memorandum: Jurisdictional Scan Regarding Waste Diversion Programs. (L. Gardner – Presentation)**

L. Gardner introduced a slide presentation on waste diversion programs in Edmonton, San Francisco and the UK reviewing disposal rates vs. diversion rates. It was concluded that it is virtually impossible to derive valid comparisons of waste disposal rates from elsewhere in the world. The jurisdictional scan suggests that the RDN has one of the lowest disposal rates within the developed nations of the world.

J. McTaggart-Cowan questioned where Edmonton's materials end up that aren't acceptable into the composting or metal recycling?

L. Gardner replied that their new system assumes a 90% diversion target. The remaining 10% is either landfilled or is gasified.

G. Johnson questioned how enforcement in San Francisco occurs?

L. Gardner replied that the generator is regulated by San Francisco and fines can be applied at source.

**Technical Memorandum: RDN's Zero Waste Plan. (S. Horsburgh - Presentation)**

S. Horsburgh presented a slide presentation on the RDN's Zero Waste Plan which included guiding principles, zero waste strategy, key policies, performance objects/metrics and future opportunities.

The RDN has achieved 68% waste diversion and an annual per capita disposal rate of 347 kilograms which is one of the lowest disposal rates in Canada. The RDN and Cowichan Valley Regional Districts are believed to have the lowest per capita disposal rates in North America. With continued promotion and enforcement of our Zero Waste programs, we could see continued improvements in diversion rates.

G. Johnson enquired if the role of local government is to make money, breakeven or can chances be taken and venture into investments and develop markets and then have an entrepreneur take over?

L. Gardner replied it is to provide services and utilities that the community would like to see.

J. Finnie remarked that local government is here to provide services that the Province imposes, at a reasonable cost to the taxpayer. Regional Districts are the most accountable level of governments and need to get Electoral support for funding mechanisms.

M. Tripp described the investments in recycling equipment made by his company demonstrates their commitment in improving recycling in the RDN.

J. McTaggart- Cowan questioned what is needed from the RDN to make it more profitable?

M. Tripp remarked that capital investment is needed to make businesses profitable. Access to capital is tight due to fluctuating markets. MMBC made the Nanaimo operation profitable.

J. McTaggart-Cowan commented that we need EPR on mattresses and we need to pressure industry to make producers responsible for residuals. The provincial government has a role to implement more EPR programs. We have talked about working with the generators, what authorities does the RDN need to give you the capability to enforce?

J. McTaggart-Cowan requested staff draft a bylaw.

L. Gardner commented if there's a desire to go down that path we can include the draft in the SWMP.  
A. McPherson replied that if the draft bylaw goes into the plan it will be forwarded to the Province for approval.

J. Finnie felt it's bigger than the RDN and industry is a powerful lobby group and will oppose increased government regulation. We need to get together with other regions to go forward.

L. Gardner replied that our requirement is to produce the SWMP with a Zero Waste component. There are strategies and continued efforts to reduce our waste. Our current strategies are specific corner stones and we need to identify our next targets.

**Technical Memorandum: Multi-Family & IC&I Recycling in the RDN. (M. Larson - Presentation)**

M. Larson gave a presentation on the Multi-Family and IC&I recycling in the RDN. The IC&I and Multi-Family sectors waste stream contain significant amounts of recyclable material and compostable organics despite landfill bans being in place for various recyclable materials and commercial organics. These sectors provide the greatest opportunity for further waste diversion in the RDN.

The IC&I sector represents 63% of landfilled waste at the Regional Landfill. Examples of waste generators in this sector include businesses, industries, or commercial operations including stores, offices, hotels, hospitals, schools, restaurants, construction companies, factories etc., and the Multi-Family housing sector. In the RDN, the IC&I sector (including Multi-Family) is serviced by private waste haulers. Outreach has been done to promote diversion in these sectors and has largely relied on voluntary compliance with the landfill bans and applying fines. Increased effort in both outreach and enforcement consistent with the current strategies can achieve a moderate increase of about 3% in overall waste diversion. It is believed that the provision of authorities available through the SWMP can provide additional regulatory and economic tools to drive very high levels of diversion up to a 10% increase in overall waste.

J. Finnie questioned if there was a blend of these two options that would be more efficient?

M. Larson commented that each new program will require some level of education and outreach.

M. Tripp commented that scenario one with a more blended pro-active approach is the way to go and relaunching the program for 10<sup>th</sup> Anniversary is beneficial to his company to get the organics out of the waste stream.

J. McTaggart-Cowan questioned how many are not MMBC haulers and why are we allowing that?

M. Tripp replied that just because a hauler is not an MMBC hauler it doesn't mean we're not doing the right things.

**ADDENDUM**

**SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING MINUTES**

**NEW BUSINESS**

**ADJOURNMENT**

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

  
\_\_\_\_\_  
CHAIRPERSON

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

**THURSDAY, February 4, 2016, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**PAGES**

**CALL TO ORDER**

**MINUTES**

3-6 Minutes of the Regional Solid Waste Advisory Committee meeting held Jan. 14, 2016.

**DELEGATIONS**

**Derek Haarsma**, Haarsma Waste Innovations Inc., Management of Solid Waste in the Multi-Family & IC&I Sector.

**BUSINESS ARISING FROM THE MINUTES**

Technical Memorandum: Multi-Family & IC&I Recycling in the RDN.

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

7-12 **Jan Hastings**, re Zero Waste Definitions.

13-14 **Jim McTaggart-Cowan**, re RSWAC Motions & Questions.

**REPORTS**

**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
Bill McKay	Deputy Chair	Chief & Council	Nanoose First Nation
Frank Van Eynde	Member at Large	Chief & Council	Snuneymuxw First Nation
Derek Haarsma	Business Representative	John Marsh	Town of Qualicum Beach
Ed Walsh	Waste Management Industry	Fred Spears	District of Lantzville
Wally Wells	Business Representative	Geoff Goodall	City of Nanaimo
Jan Hastings	Non Profit Representative	Al Leuschen	Ministry of Environment
Jim McTaggart-Cowan	Member at Large	Karen Muttersbach	Environment Canada
John Finnie	Member at Large	Glenn Gibson	Island Health
Craig Evans	Member at Large		
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		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN
Meghan Larson	Special Projects Coordinator
Jeff Ainge	Zero Waste Coordinator, RDN
Rebecca Graves	Recording Secretary, RDN

**For information only:**

Regional Board Members: CAO's: Dennis Trudeau (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, FEBRUARY 4, 2016  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Derek Haarsma	Business Representative
Wally Wells	Business Representative
Jan Hastings	Non Profit Representative
Michael Tripp	Business Representative
Jim McTaggart-Cowan	Member at Large
John Finnie	Member at Large
Ellen Ross	Member at Large
Gerald Johnson	Member at Large
Amanda Ticknor	Member at Large

**Also in Attendance:**

Randy Alexander	General Manager, RCU, RDN
Larry Gardner	Manager of Solid Waste, RDN
Rebecca Graves	Recording Secretary, RDN
Jeff Ainge	Zero Waste Coordinator, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Dennis Trudeau	CAO, RDN

**Regrets:**

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
John Marsh	Town of Qualicum Beach
Ed Walsh	Waste Management Industry
Charlotte Davis	City of Nanaimo
Geoff Goodall	City of Nanaimo
Frank Van Eynde	Member at Large
Michele Green	Member at Large
Craig Evans	Member at Large
Stewart Young Jr.	Business Representative
Meghan Larson	Special Projects Coordinator, RDN

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:03 PM and respectfully acknowledged the Coast Salish Nations on whose traditional territory the meeting took place.

**MINUTES**

MOVED J. McTaggart-Cowan, SECONDED G. Johnson, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held January 14, 2016, be adopted. CARRIED

## DELEGATES

### **Derek Haarsma, Haarsma Waste Innovations Inc. re Management of Solid Waste in the Multi-Family & IC&I Sector.**

D. Haarsma gave a verbal presentation on region wide recycling options available to the multi-family & Industrial Commercial & Industrial Sector (IC&I). Multi-family recycling is not a mandatory program and there is the perception that by introducing recycling programs this will lower garbage fees. This has led to varying levels of recycling in the Multi Family and ICI sectors. In regards to IC&I, steel containers are made available for recyclables. Haarsma reduces contamination by sorting recycling into bags so when materials are received at the facility sorting is done much faster. Source separation requires haulers to run more trucks a week to service sites and this doesn't make sense due to the level of contamination in bins.

A discussion occurred in regards to the management of solid waste including topics related to the RDN making recycling mandatory region wide.

L.Gardner outlined that the Regional District has the ability to introduce mandatory collection similar to how we introduced curbside service as a utility. This is a mechanism we have that could ensure ICI buildings comply with recycling programs.

G. Johnson asked if the RDN made recycling mandatory for all multi-family how would it affect your business and how would it increase recycling?

D.Haarsma stated his customer base almost everyone has a recycling program. Depends on size of building, garbage is picked up weekly, recycling every two weeks. Commercial is pretty up to speed on recycling. Not much issue with compliance and buy in. Multi-family buildings are looking for the low cost option. If a mandatory system was in place haulers could still exist the way we do.

M. Tripp commented that his customers business in town have two containers. ICI is 60% of sector, 40% would be residence. The business community is recycling. The is staying afloat with changing technology and competing with other haulers that ship export waste. The Parksville stratas are included in the RDN collection program. Nanaimo handles only curbside and any strata's are outside of the City's curbside collection program and these are handled by private haulers. There is no hard and fast regulation telling an apartment owner or condo owner that they must recycle. If there was more regulation recycling services would increase dramatically. This would create a level playing field as all haulers would have to abide by the same rules.

J. Hastings highlighted that 95% of residences in the MF sector have access to same service, what is the barrier to that service being the same?

MMBC poses a different challenge as containers have to be kept in a separate location and paper removed from packaging. MMBC does not give haulers w funds to educate the MF sector and this would be beneficial as it would help reduce contamination as there is a strict threshold of 3% contamination.

J. McTaggart Cowan asked if it is only paper making money. Is MMBC not paying you properly for that recycled material? D. Haarsma replied that for multi-family its ½ the fee of curbside. ICI that includes the schools is not captured under the MMBC program so we rely on what the market rate is for recyclable commodities. The City and the RDN receive payment to provide residential education programs.

J. Finnie made the observation that Strata's are a legal entity and many have taken on the responsibility of introducing recycling. What would be a better approach to apt buildings?

D. Haarsma responded that when he signed on as an MMBC contractor it was under the impression that the entire Multi Family sector had to comply. As it's rolled out that's not the case. If there was regulation through the RDN, then there would have some teeth to the program.

J. Hastings stated that it isn't right that a private hauler has to provide education. We want to focus efforts on increasing diversion for the ICI sector, and especially for multi-family. I would like to see ICI as the cornerstone for the new plan and designed under the umbrella of Zero Waste. To do that, we need an operational definition of Zero Waste for the purpose of the SWMP.

D. Haarsma commented that education is important, as a hauler we do not have the resources to provide education. This should be the responsibility of RDN or an agency that specializes in education programs so they can do a proper job. It is time consuming and there needs to be consistent messaging and refreshers.

G. Johnson suggested looking into grant programs for providing education as the commercial sector finds complying with MMBC challenging as there is not sufficient funding for education.

#### **BUSINESS ARISING FROM THE MINUTES**

##### **Technical Memorandum: Multi-Family & IC&I Recycling in the RDN. (L. Gardner – Presentation)**

L. Gardner introduced a slide presentation summarizing Multi-Family & IC&I waste stream. There are two potential diversion strategy scenarios which would include Scenario 1: increased education/enforcement at regional facilities with a diversion potential of 3% and Scenario 2: additional regulatory authority with a diversion potential of 7.9 -11%. Multi-family recycling rates are estimated to be between 16-18% compared to 30% for single-family and approximately 44% of the waste stream is compostable. L. Gardner provided an overview of the various Regulatory Authority Options which included Waste Source Regulation, Flow Management, Mandatory Waste Collection Service, Waste Hauler Franchise and Waste Haulers as Agents.

A discussion ensued regarding the regulatory authority options and if any should be included in the SWMP. What options are there for targeting the paper and plastic that makes up 25% of the IC&I sector waste stream? Which regulatory authorities would be most effective; mandatory waste collection service for all waste generators, franchising, source regulation, haulers as agents?

J. McTaggart-Cowan questioned how do we need to reduce ICI waste? What is needed to achieve 25%? L Gardner clarified that the diversion potential is up to 11% of the total waste stream and explained the waste composition percentages.

J. Hastings stated that there are municipalities that do mandatory waste collection service, how would it put free enterprise into jeopardy?

L Gardner explained that mandatory waste collection would be set up the same as the residential curbside program, where the RDN contracts the service to a single waste hauler. The contract would be awarded through a tendering process. There wouldn't be any opportunity of others to subsequently compete for business..

J. Hastings asked why can't we have mandatory service and then let the hauler do it? I don't see barrier.

L Gardner outlined a mandatory collection service by, or on behalf of local government can be introduced. The RDN needs additional authorities from the province if, instead, a regulation requires people to obtain their own recycling service. J. McTaggart-Cowan commented the objective is to reduce amount of material going into the landfill to achieve zero waste.

L. Gardner commented to achieve zero waste there would be implications on taxation. Waste generators that send waste outside of the region don't contribute money to the region's waste management function. We could try to get cost of disposal down and recover the shortfall in revenue through taxation. We've intentionally put costs high to create an incentive to divert material to the private sector facilities for recycling.

A. McPherson commented we need to make sure everyone is paying for education through the tipping fees in order to cover the education programs so that everyone using the regional system is contributing.

J. McTaggart-Cowan commented we should look at the business and encourage them to redesign by pushing back to the design phase. The business sector should be involved in putting forward what the haulers need with respect to education and regulation. He also suggested that if we're going to set diversion targets, we need to have a target and identify what measures will be implemented to achieve it. Decide what strategies we are going to include so we can measure our progress to see how we are achieving our goal. The RDN needs to become a model of zero waste.

## **UNFINISHED BUSINESS**

### **COMMUNICATIONS/CORRESPONDENCE**

**Jan Hastings**, re Zero Waste Definitions.

J. Hastings reviewed the zero waste definitions and principles from each of the below agencies:

- Zero Waste International Alliance
- National Zero Waste Council
- Zero Waste BC
- Recycling Council of BC
- BC Ministry of the Environment
- London Remade.

**Jim McTaggart-Cowan**, re RSWAC Motions & Questions.

A. McPherson introduced and suggested that the motions, as presented, will provide an opportunity for the Committee to discuss what options they wish to see in the SWMP.

J. McTaggart-Cowan commented that the purpose of the motions was to provide a structure and to focus on what information is needed to make decisions.

J. McTaggart-Cowan asked if D. Haarsma, M. Tripp and staff could provide information on what is needed to regulate and to create a level playing field.

**REPORTS**

**ADDENDUM**

**NEW BUSINESS**

**ADJOURNMENT**

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

Time: 7:29 pm.

  
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CHAIRPERSON

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

**THURSDAY, February 18, 2016, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

3-5 Minutes of the Regional Solid Waste Advisory Committee meeting held Feb. 4, 2016.

**BUSINESS ARISING FROM THE MINUTES**

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

**REPORTS**

Residual Management Options

- Introduction by Larry Gardner
- Morrison Hershfield, re Findings of Residual Managements Options for Consideration by the RDN (Konrad Fichtner – Presentation)
- Group Exercise

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Michael Recalma	Qualicum First Nation
Bill McKay	Deputy Chair	Chief & Council	Nanoose First Nation
Derek Haarsma	Business Representative	Chief & Council	Snuneymuxw First Nation
Ed Walsh	Waste Management Industry	John Marsh	Town of Qualicum Beach
Wally Wells	Business Representative	Fred Spears	District of Lantzville
Jan Hastings	Non Profit Representative	Geoff Goodall	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		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN
Meghan Larson	Special Projects Coordinator
Jeff Ainge	Zero Waste Coordinator, RDN
Rebecca Graves	Recording Secretary, RDN

***For information only:***

Regional Board Members: CAO's: Dennis Trudeau (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, FEBRUARY 18, 2016  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Derek Haarsma	Business Representative
Wally Wells	Business Representative
Craig Evans	Member at Large
Michele Green	Member at Large
John Finnie	Member at Large
Jim McTaggart-Cowan	Member at Large
Ellen Ross	Member at Large
Amanda Ticknor	Member at Large
Stewart Young Jr.	Business Representative
Fred Spears	District of Lantzville

**Also in Attendance:**

Howard Houle	RDN Director
Wendy Pratt	RDN Director
Bill Veenhof	RDN Director
Maureen Young	RDN Director
Larry Gardner	Manager of Solid Waste, RDN
Rebecca Graves	Recording Secretary, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Jane MacIntosh	Superintendent, RDN
Dennis Trudeau	CAO, RDN
Maggie Warren	Superintendent, RDN

**Regrets:**

Gerald Johnson	Member at Large
Charlotte Davis	City of Nanaimo
Geoff Goodall	City of Nanaimo
John Marsh	Town of Qualicum Beach
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Michael Tripp	Business Representative
Randy Alexander	General Manager, RCU, RDN
Jeff Ainge	Zero Waste Coordinator, RDN
Meghan Larson	Special Projects Coordinator, RDN

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:04 PM and respectfully acknowledged the Coast Salish Nations on whose traditional territory the meeting took place.

**DELEGATES**

**MINUTES**

MOVED J. McTaggart-Cowan, SECONDED B. McKay, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held February 4, 2016, be received for information only and be amended. CARRIED

#### **BUSINESS ARISING FROM THE MINUTES**

#### **UNFINISHED BUSINESS**

#### **COMMUNICATIONS/CORRESPONDENCE**

#### **REPORTS**

#### **Residual Management Options (Morrison Hershfield - K. Fichtner – Presentation)**

L. Gardner gave an introduction to the Residual Management Presentation and discussed the upcoming Stage 2 timeline for RSWAC/SWMSA meetings.

K. Fichtner gave a presentation on Waste Processing Technologies. Technologies available to process waste include Material Recovery Facilities, Waste to Fuel, Biological Energy Recovery and Thermal Energy Recovery. Summary of costs, diversion rates along with advantages and disadvantages of each technology was presented.

B. McKay asked if there are any examples of businesses that are using one of these processes that would produce lower emissions than the current endeavour?

K. Fichtner replied that from his experience cement kilns have the potential to offset the use of coal and lower overall emissions if they are permitted to use waste as a fuel source.

B. McKay commented on the composition of waste and the new material being introduced causing an increase in the level of non-recyclable materials which are becoming almost impossible to recycle.

K. Fichtner remarked that some material is getting harder to recycle and therefore creating the development of product stewardship programs. Construction and demolition materials in a lot of municipalities are causing a problem and composite materials are challenging to recycle.

J. Finnie questioned if the information provided was showing higher costs for combustion and pyrolysis processes and how much of that cost is due to emission control systems or is it part of the technology cost?

K. Fichtner replied 30-50% of the cost is for emission control systems.

B. McKay questioned if Vancouver Island has been viewed as a model and if Nanaimo could become a central clearing house for a polymer plant?

K. Fichtner could not answer but would like to follow-up. There is a recent study conducted for Regional Districts from Central and Southern Vancouver Island that concluded both highway and rail transportation was more expensive than to have a regional facility to manage their own residual waste.

J. McTaggart-Cowan enquired about a cost estimate to make the material at Nanaimo Organic Waste (NOW) a Class A product?

L. Gardner, NOW produces a Class A compost in accordance with the Provincial Organic Matter Recycling Regulation. However due to contaminants the finished compost is difficult to market. NOW is a privately owned facility and the current owners would be required to invest significant Capital in the plant to improve the end produce. The owners have reviewed the option of installing an anaerobic digestion (AD) system. Orgaworld that are building the new facility in Surrey visited NOW and gave the owners some advice and a cost estimate with regards improving the operation and the quality of the finished product. It is not improvements at the front end of the operation but a change in how the feedstock is processed to help remove contamination that will greatly improve the end product.

D. Haarsma questioned the waste material in a dirty MRF if under ideal conditions we could capture 45% and the remainder 55% would still go to landfill?

K. Fichtner replied that the material balance is maximum 20% recycling, maximum 40% organics, and 40% left for residuals and those residuals could be made to fuel or be landfilled.

J. MacIntosh questioned if the waste material prepared for the digestion system could be used at a wastewater treatment facility?

K. Fichtner replied that the AD systems are designed for a certain biological oxygen demand and if you add a lot of solids it would overload the system.

B. McKay asked if there are any examples of facilities that produce energy from these technologies that is utilized as district energy?

K. Fichtner commented that Houwelling Nurseries Co generation plant in Delta utilizes landfill gas in its greenhouses near the Vancouver Landfill.

B. McKay questioned if glass is going the way of newsprint as far as volume?

K. Fichtner replied that there is a bit of glass recycling in some areas but the use of glass is getting less. There aren't a lot of markets for used glass and manufactures can make glass cheaper from sand than from cullet.

**GROUP EXERCISE**

L. Gardner introduced the group exercise and the Committee broke off into groups to discuss the topics "Which residual management options would you advise the board to consider and why?" and "What would trigger you to advise the Board to consider any new technologies in the future?"

The results from the Group Exercise are shown in Table 1 below.

TABLE 1	Group Exercise	
Group	Which Residual Management Options Would You Advise The Board to Consider And Why?	What would trigger you to advise the Board to consider any new technologies in the future?

#1	<ul style="list-style-type: none"> <li>• Landfill capacity (somewhere/somehow)</li> <li>• Integrate with clean MRF</li> <li>• Continue to embrace new and emerging technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborating with other jurisdictions for new ideas, economies of scale, including diversion strategies.</li> </ul>
#2	<ul style="list-style-type: none"> <li>• MRF- for residual, (dirty) for ICI and for what is already going to the landfill (garbage) with an AD closed system</li> <li>• Prefer SS to create a more robust system first.</li> </ul>	<ul style="list-style-type: none"> <li>• We define technology as regulation and enforcement and the “force is with us”, we have been triggered</li> </ul>
#3	<ul style="list-style-type: none"> <li>• Island solution</li> <li>• Education/Enforcement</li> <li>• Keep eyes open/stay informed</li> <li>• Source control improvements</li> <li>• Siting new landfill extremely hard (0.1%)</li> </ul>	<ul style="list-style-type: none"> <li>• No other alternatives – must</li> <li>• New technology arises</li> <li>• Cost effective</li> <li>• Known markets</li> <li>• High social value</li> <li>• Community benefit</li> </ul>

**ADDENDUM**

**NEW BUSINESS**

**ADJOURNMENT**

MOVED B. McKay, SECONDED J. McTaggart-Cowan, that this meeting be adjourned.

Time: 7:30 pm.

  
 CHAIRPERSON

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

**THURSDAY, March 17, 2016, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

- 3-7 Amended Minutes of the Regional Solid Waste Advisory Committee meeting held February 4, 2016.
- 8-11 Minutes of the Regional Solid Waste Advisory Committee meeting held February 18, 2016.

**BUSINESS ARISING FROM THE MINUTES**

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

**REPORTS**

- 12-24 Construction and Demolition Waste – Current State & Future Options Presentation (S. Horsburgh).

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

- 25-32 Issues Review (L. Gardner).
- Group Exercise.

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Michael Recalma	Qualicum First Nation
Dean Jones	Waste Management Industry	Chief & Council	Nanoose First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Snuneymuxw First Nation
Michael Tripp	Business Representative	Geoff Goodall	City of Nanaimo
Stewart Young Jr.	Business Representative	John Marsh	Town of Qualicum Beach
Wally Wells	Business Representative	Al Leuschen	Ministry of Environment
Craig Evans	Member at Large	Fred Spears	District of Lantzville
John Finnie	Member at Large	Karen Muttersbach	Environment Canada
Ben Geselbracht	Member at Large	Glenn Gibson	Island Health
Michele Green	Member at Large		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN
Meghan Larson	Special Projects Coordinator
Jeff Ainge	Zero Waste Coordinator, RDN
Rebecca Graves	Recording Secretary, RDN

***For information only:***

Regional Board Members: CAO's: Dennis Trudeau (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, MARCH 17, 2016  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Derek Haarsma	Business Representative
Wally Wells	Business Representative
Dean Jones	Waste Management Industry
Craig Evans	Member at Large
Ben Geselbracht	Member at Large
Michele Green	Member at Large
Gerald Johnson	Member at Large
Jim McTaggart-Cowan	Member at Large
Ellen Ross	Member at Large
Geoff Goodall	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
Randy Alexander	General Manager, RCU, RDN

**Regrets:**

Charlotte Davis	City of Nanaimo
John Marsh	Town of Qualicum Beach
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Michael Tripp	Business Representative
Dennis Trudeau	CAO, RDN
Fred Spears	District of Lantzville
Stewart Young Jr.	Business Representative
John Finnie	Member at Large
Amanda Ticknor	Member at Large

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:07 PM and respectfully acknowledged the Coast Salish Nations on whose traditional territory the meeting took place.

**DELEGATES**

Ellen Ross gave a brief presentation on reusable bags that she helped to design and that are now distributed by Loblaw's. Approximately 7 years ago she approached the corporate office at Loblaw's and requested that a standard bag be designed, and it is now available for purchase to help keep plastic bags out of the landfill.

## MINUTES

MOVED J. McTaggart-Cowan, SECONDED B. McKay, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held February 4, 2016, be adopted. CARRIED

MOVED B. McKay, SECONDED G. Johnson, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held February 18, 2016, be adopted. CARRIED

## BUSINESS ARISING FROM THE MINUTES

### UNFINISHED BUSINESS

### COMMUNICATIONS/CORRESPONDENCE

### REPORTS

#### Construction and Demolition Waste – Current State & Future Options (S. Horsburgh – Presentation)

S. Horsburgh gave a presentation on the current state of the Construction and Demolition (CD) Waste and future options and to estimate additional waste diversion potential from the CD sector of the waste stream.

J. McTaggart-Cowan questioned the use of the word items that are “difficult” to recycle but simply because of quantity here in the RDN we don’t have enough to make it profitable for companies to do it. Perhaps we need to find another way to work with other regional districts or Vancouver area to get items over there.

S. Horsburgh commented that in BC there are no new stewardship programs being considered for introduction in the short term. The RDN currently accepts asbestos from the Cowichan Valley at the landfill.

L. Gardner remarked that a significant portion of non-recyclable materials is asbestos, insulation/drywall with asbestos, painted materials, treated wood, and as regulatory requirements are tightening up there are more items coming to the landfill as it is the only option for disposal.

J. Hastings questioned what would the diversion options be if composite or painted wood ends up in the landfill?

S. Horsburgh commented that the mills have less tolerance to accept treated wood and the only alternative at the moment is to landfill.

D. Jones commented that DBL ships ground wood waste to Catalyst mills and they have a 2% tolerance for contaminants. Products that are problematic are wood laminated with other materials such as countertops. These materials along with pressure treated wood are landfilled.

Typically, house demolitions require hazardous materials testing to be conducted to identify if the building contains lead based paints and or asbestos. Removal of these materials requires staff to follow strict handling procedures to meet health and safety regulations.

J. McTaggart-Cowan questioned how much of the self-haul is small industry versus the homeowner?

S. Horsburgh replied that the majority of self-haul customers are residential.

D. Jones commented that the building industry has moved away from lead based paint as people are demanding more environmental friendly products.

C. Evans asked if the wood waste that's received at the landfill was processed for beneficial purposes.

L. Gardner commented that the landfill uses the wood grind to build road bases to move equipment around the site.

C. Evans questioned if that is considered diversion from the landfill?

S. Horsburgh responded that ground wood waste and asphalt shingles are counted as beneficial use as these materials are used in landfill applications.

L. Gardner commented that beneficial use is considered diversion from the landfill. We report to the Ministry of Environment standards but as far as utilization on site we would import one way or another because we need it to operate.

C. Evans asked if there was anywhere in the lower mainland taking old carpets for recycling?

J. Hastings replied to C. Evans that there are two possible kinds of carpet recycling. What's currently being done now is the new carpet because P.E.T. can be recovered for recycling. However, what you are describing is repurposing and grinding up carpet for other uses. There are definitely markets for recycling underlay that can be crushed and reused so this item could be diverted from landfill.

D. Jones remarked on the interpretation of the term beneficial use when wastes used in a landfill application is considered diversion?

L. Gardner commented that the RDN promoted a more restrictive definition of beneficial use but it wasn't supported by the waste management sector or the province. In the end we report as directed and follow rules that are given to us by the province

B. Geselbrecht asked what is the fraction of the percent of the total waste used for the roads?

S. Horsburgh replied it is a very small component of the overall waste stream that is being repurposed on site.

B. McKay mentioned a person in Vancouver that sets up in a warehouse such as Jordan's and carpets/underlay are dropped off and then he takes the product away for recycling. Perhaps a similar initiative could be developed on Vancouver Island and this opportunity could be taken on by a social enterprise?

B. McKay questioned once a permit has been issued, where can we go to ensure that the CD waste is properly being disposed of?

S. Horsburgh replied that this is an opportunity in the future to work with Community Planning and development departments region wide, so a standardized process for including recycling plans as part of issuing demolition permits to demonstrate how the waste is being handled.

G. Johnson remarked that the solution is simple; they should need to amend the demolition permit to include a recycling plan?

L. Gardner answered that we could ask for a recycling plan but we could not enforce the plan without additional authorities. If we ask for permission, in the SWMP, to say we would like to regulate the conditions in the building permit, and if the province agreed, then we could proceed.

J. McTaggart-Cowan questioned what is needed or what is the new authority to ask for to step up and get control on the demolition permit?

L. Gardner replied if we can get a mandate from the RSWAC and it gets Board support we would create a draft bylaw. If there is no interest at this stage we wouldn't pursue further.

#### **GROUP EXERCISE**

L. Gardner introduced the group exercise and the Committee broke off into groups to discuss the topics that have been topics of interest with the committee. A summary of the chart was distributed to committee members on March 23<sup>rd</sup>. Based on the summary, as well as discussions during the exercise, the following themes emerged and required further discussion:

- Education
- Enforcement/Regulatory Tools
- Zero Waste
- Economic Drivers/Incentives to drive diversion
- Residual Management

#### **ADDENDUM**

#### **NEW BUSINESS**

#### **ADJOURNMENT**

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

Time: 7:37 pm.

  
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CHAIRPERSON

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

**THURSDAY, April 14, 2016, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

- 3-6 Minutes of the Regional Solid Waste Advisory Committee meeting held March 17, 2016.

**BUSINESS ARISING FROM THE MINUTES**

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

**REPORTS**

- Results of Last Meetings Exercise (presentation only; R. Alexander)
- Levels of Services Matrix Review. (presentation only; L. Gardner)
- 7-14 Complimentary Disposal Services at Regional District of Nanaimo Solid Waste Facilities. (S. Horsburgh)
- 15-20 Solid Waste Management Education. (M. Larson)
- Future Residual Disposal (presentation only; L. Gardner)

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Michael Recalma	Qualicum First Nation
Dean Jones	Waste Management Industry	Chief & Council	Nanoose First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Snuneymuxw First Nation
Michael Tripp	Business Representative	Geoff Goodall	City of Nanaimo
Stewart Young Jr.	Business Representative	John Marsh	Town of Qualicum Beach
Wally Wells	Business Representative	Al Leuschen	Ministry of Environment
Craig Evans	Member at Large	Fred Spears	District of Lantzville
John Finnie	Member at Large	Karen Muttersbach	Environment Canada
Ben Geselbracht	Member at Large	Glenn Gibson	Island Health
Michele Green	Member at Large		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN
Meghan Larson	Special Projects Coordinator
Jeff Ainge	Zero Waste Coordinator, RDN
Rebecca Graves	Recording Secretary, RDN

***For information only:***

Regional Board Members: CAO's: Dennis Trudeau (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, APRIL 14, 2016  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Wally Wells	Business Representative
Dean Jones	Waste Management Industry
Derek Haarsma	Business Representative
Michael Tripp	Business Representative
Craig Evans	Member at Large
John Finnie	Member at Large
Ben Geselbracht	Member at Large
Michele Green	Member at Large
Gerald Johnson	Member at Large
Jim McTaggart-Cowan	Member at Large
Amanda Ticknor	Member at Large
Cam Purdon	Town of Qualicum Beach

**Also in Attendance:**

Director Young	Electoral Area 'C'
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
Randy Alexander	General Manager, RCU, RDN

**Regrets:**

Stewart Young Jr.	Business Representative
Charlotte Davis	City of Nanaimo
Geoff Goodall	City of Nanaimo
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Fred Spears	District of Lantzville
Ellen Ross	Member at Large

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:07 PM and respectfully acknowledged the Coast Salish Nations on whose traditional territory the meeting took place.

Welcomed new member Cam Purdon, representing the Town of Qualicum Beach.

**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 March 17, 2016, be adopted. CARRIED

## BUSINESS ARISING FROM THE MINUTES

### UNFINISHED BUSINESS

J. McTaggart-Cowan commented that he would like a discussion on the motions that were presented at the February 4, 2016, RSWAC meeting.

A. McPherson replied that issues that have been identified have been documented throughout the process. There will still be time to identify high priority options before the drafting of the SWMP.

J. Hastings questioned why as a committee are we are not making a motion to adopt the Zero Waste International Alliance (ZWIA) definition and hierarchy?

L. Gardner commented that for the next meeting, a proposed zero waste definition or the ZWIA definition will be brought forward for discussion by the committee, as well as the guiding principles that are currently in the plan.

J. Finnie clarified his understanding and expectations of the process to draft the next plan that will come back to the committee for review. Our challenge will be arriving at consensus and assigning values and priorities before we advance the draft plan for public review.

R. Alexander highlighted that through this process the knowledge has been gained through the discussions. This has allowed us to identify a number of issues and options. The next step is to determine what the targets and principles and what we want to include in the plan and how we achieve those targets and principles.

J. McTaggart-Cowan questioned the progress of the proposal by Derek, Mike and Larry on options to address the challenges in the IC&I sector?

Derek responded that he would provide a report on the challenges that front end haulers have with multi-family units and offer suggestions.

## COMMUNICATIONS/CORRESPONDENCE

### REPORTS

#### Results of Last Meetings Exercise. (R. Alexander – Presentation)

R. Alexander gave feedback from the March 17, 2016 group exercise. Three questions were asked in that session which included;

- Are there topics where more research is required to make a recommendation to the Board?
- Are there topics that need more discussion in order to make a recommendation to the Board, and
- Are there topics where there is adequate information/discussion to advise the Board?

J. McTaggart-Cowan requested more dialogue be done with the IC&I sector before any further suggestions or decisions are made.

J. Finnie commented that a lot of the commercial operations have systems in place and when we talk about getting regulatory authority the concern is who's going to do that and with what? There are insufficient resources to deliver on the systems that we already have in place.

W. Wells recalled in the Stage 1 Report that haulers had been consulted but not the generators in the IC&I sector. There needs to be a discussion with the generators while the plan is being developed.

L. Gardner commented the first step is to narrow down the preferred options and then consult with the business community about what is being considered to get their input.

G. Johnson remarked that he felt the committee should have had representation from the Chamber of Commerce.

L. Gardner responded that the committee is made up of a range of representatives from different sectors and areas. It is already a fairly large group and it is impossible to cover off all groups.

D. Haarsma stated that on behalf of the business community he felt the haulers have a good understanding of the IC&I sector and what their customers are looking for in regards to waste and recycling removal services. Also, they are sensitive to the marketplace and what options their customers are willing to pay for.

B. Geselbracht commented that he recognizes we can tweak our infrastructure to reduce the waste but if Nanaimo doesn't stand up and advocate on certain waste streams or regulatory items at the Provincial level, waste exports will continually be subsidized.

R. Alexander replied that the advocacy role has been identified but was just not introduced in the presentation.

**Levels of Service Matrix Review.** (L. Gardner – Presentation)

L. Gardner presented the Level of Service Matrix which captures all the services discussed to date, the scope of service, the RSWAC level of interest in pursuing service levels that include; curbside glass and yard waste collection, curbside compliance & enforcement, share sheds, EPR stewardship programs, ICI & MFD diversion, Zero Waste plan, complementary drop off days, CD Waste, HHW collection, and residual management and landfill options.

M. Tripp remarked that while basic items are covered it's the difficult to recycle items that are challenging. Businesses have tried sorting materials themselves but recovery is low at 5-10%. You would have to create a market and fund it. New markets have to be developed with funding to help make them viable. He would like to see secondary industries and markets created for plastics. Until markets open up we can only do so much.

D. Jones commented that it comes down to customers themselves, there are multi-national clients that achieve 90% diversion rates but they are willing to pay, a lot of industries either can't or won't pay. Does that fall back on enforcement or education or is it the haulers job to fund or support it, who pays for it?

D. Haarsma commented that traditionally when a landfill ban is implemented the hauler notifies the business or property management companies. This puts the responsibility of enforcement on those

haulers that promote recycling services and makes it difficult to compete with haulers not promoting the same level of service, which makes it difficult to compete when it's not a level playing field. Regulation and enforcement has encouraged haulers to put garbage into trailers and ship across the border.

**Complimentary Disposal Services at Regional District of Nanaimo Solid Waste Facilities. (S. Horsburgh)**

S. Horsburgh gave an overview on Complimentary Disposal Services discussing history, challenges, diversion and financial impact. In the past, the program was popular due to convenience but concerns were raised in regards to traffic control and safety concerns. The service does not support reduce, reuse or the principles outlined in our current SWMP and could increase disposal and loss could potentially losses \$42,500 per day in revenue.

J. McTaggart-Cowan responded that if it's not equitable, what's the purpose of even thinking about it?

MOVED J. Finnie, SECONDED J. McTaggart-Cowan that this committee does not support the Complimentary Disposal Services initiative.

CARRIED

J. Hastings commented she would like to see local government fund a pickup day for items such as hazardous waste.

L. Gardner commented that a number of EPR programs cover a lot of that material and there are communities that provide that service so providing costs can be presented.

G. Johnson questioned if there is a document available that outlines how the Province calculates EPR rebates?

L. Gardner answered that each program provides their own annual reports but doesn't believe there is a single site to review.

M. Larson replied that separate EPR agencies set the price of rebates paid to collectors (i.e. depots). Their financials are audited by the MOE but MOE has no responsibility for setting those rebates.

S. Horsburgh commented that stewardship organizations are required to produce annual reports that include financial statements.

**Solid Waste Management Education. (M. Larson)**

M. Larson gave an overview of Solid Waste Management Education which included strategy for education, diversion & financial impact, regulatory authority and provided a summary.

M. Green questioned why not find out what the barriers are and address those through education and other programs?

M. Larson replied that cost is a barrier for many people and we do post what the costs are at RDN facilities for waste disposal. When waste is generated then they bear the cost. We advocate that residents reduce, reuse and recycle and all other free options to help relieve the costs of disposal.

**Future Residual Disposal (L. Gardner)**

Presentation postponed until next meeting.

**ADDENDUM**

**NEW BUSINESS**

**ADJOURNMENT**

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

Time: 7:40 pm.

  
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CHAIRPERSON

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

**THURSDAY, May 19, 2016, 5:00 PM - 7:30 PM  
RDN Board Chambers**

**A G E N D A**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

- 3-7 Minutes of the Regional Solid Waste Advisory Committee meeting held April 14, 2016.

**BUSINESS ARISING FROM THE MINUTES**

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

8-8

**REPORTS**

Update on the Stage 2 Process. (R. Alexander – presentation)

Future Residual Disposal. (L. Gardner – presentation)

Review of Additional Regulatory Authorities. (L. Gardner – presentation)

- 9-9 Zero Waste Definitions and RDN Guiding Principles. (S. Horsburgh – distribution)

- 10-14 Options for the Management of Hazardous Household Waste. (S. Horsburgh - presentation)

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Michael Recalma	Qualicum First Nation
Dean Jones	Waste Management Industry	Chief & Council	Nanoose First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Snuneymuxw First Nation
Michael Tripp	Business Representative	Geoff Goodall	City of Nanaimo
Stewart Young Jr.	Business Representative	Cam Purdon	Town of Qualicum Beach
Wally Wells	Business Representative	Al Leuschen	Ministry of Environment
Craig Evans	Member at Large	Fred Spears	District of Lantzville
John Finnie	Member at Large	Karen Muttersbach	Environment Canada
Ben Geselbracht	Member at Large	Glenn Gibson	Island Health
Michele Green	Member at Large		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN
Meghan Larson	Special Projects Coordinator
Jeff Ainge	Zero Waste Coordinator, RDN
Rebecca Graves	Recording Secretary, RDN

**For information only:**

Regional Board Members: CAO's: Dennis Trudeau (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, MAY 19, 2016  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Dean Jones	Waste Management Industry
Derek Haarsma	Business Representative
Michael Tripp	Business Representative
Craig Evans	Member at Large
Ben Geselbracht	Member at Large
Gerald Johnson	Member at Large
Jim McTaggart-Cowan	Member at Large
Ellen Ross	Member at Large
Amanda Ticknor	Member at Large
Cam Purdon	Town of Qualicum Beach

**Also in Attendance:**

Director Young	Electoral Area 'C'
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
Randy Alexander	General Manager, RCU, RDN

**Regrets:**

Stewart Young Jr.	Business Representative
Charlotte Davis	City of Nanaimo
Geoff Goodall	City of Nanaimo
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Fred Spears	District of Lantzville
John Finnie	Member at Large
Michele Green	Member at Large
Wally Wells	Business Representative

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:05 PM and respectfully acknowledged the Coast Salish First Nations on whose traditional territory the meeting took place.

**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 April 14, 2016, be adopted. CARRIED

## **BUSINESS ARISING FROM THE MINUTES**

### **UNFINISHED BUSINESS**

### **COMMUNICATIONS/CORRESPONDENCE**

#### **ICI Waste Diversion Challenges – Mike Tripp (Progressive Waste Solutions) & Derek Haarsma (Haarsma Waste Innovations Inc.**

MOVED G. Johnson, SECONDED J. McTaggart-Cowan, that the ICI Waste Diversion Challenges communications/correspondence be received. CARRIED

**J. Finnie, re comments regarding Zero Waste and HHW diversion.**

**W. Wells, re proposed Zero Waste Definition.**

MOVED J. McTaggart-Cowan, SECONDED G. Johnson, that communications/correspondence received from J. Finnie and W. Wells be received. CARRIED

### **REPORTS**

#### **Update on the Stage 2 Process. (R. Alexander – presentation)**

R. Alexander gave a brief presentation on the Stage 2 process. Next steps will be:

- distribution of summary binder
- recommendation workshop
- draft recommendations
- submit recommendations to Board Select
- draft stage 2 report
- stage 3 consultation
- SWMP submission.

J. McTaggart-Cowan expressed concern about the lack of time to review the background information before the workshop. R. Alexander committed to providing the summary binder one week earlier.

J. Hastings remarked that there have been presentations and information but not the opportunity for dialogue.

E. Ross commented that she is comfortable with the process and moving ahead to a workshop.

#### **Future Residual Disposal. (L. Gardner – presentation)**

L. Gardner gave a presentation on Future Residual Disposal and what is included in the current SWMP presented options to manage future requirements.

G. Johnson questioned if any studies have been done on economies of scale with respect to working with other communities?

L. Gardner replied that since plan implementation ongoing research has been conducted on various new & emerging technologies in conjunction with the Capital Regional District, and the Cowichan Valley Regional District to evaluate Capital and operating costs of future disposal options.

A. McPherson noted if exporting into the US occurs there needs to be a backup landfill option locally.

J. Hastings commented on keeping residuals close and visible in order to study and allow industry an opportunity to innovate and reduce waste. The landfill should become a research base.

G. Johnson questioned what are the air quality standards for particulates matter?

L. Gardner replied the Ministry of Environment regulates air quality and there are varying discharge standards for industry.

B. McKay remarked that there are European and Federal standards and that the Province of BC asked an engineering company to provide standards for emissions to regulate future waste to energy facilities. Were these standards received or adopted?

L. Gardner was not aware of any new standards being developed but remarked the Province will establish new standards, adopt, regulate and adjust where necessary.

B. McKay noted that during the waste to energy discussions, people on central Vancouver Island did not want to import other people's problem but the local population was prepared to come up with regional solutions.

**Review of Additional Regulatory Authorities. (L. Gardner – presentation)**

L. Gardner reviewed the topic of Additional Regulatory Authorities. A SWMP may provide regional districts additional powers to manage municipal solid waste and the MOE must approve the additional powers in the SWMP as well as the bylaw. The legislation provides the ability for regional districts to regulate. Examples of the tools include:

- Mandatory waste collection service
- Waste source regulation
- Flow management
- Waste Hauler Franchise
- Waste Hauler as Agents

G. Johnson asked if you can have both agent and a franchise option in the SWMP?

L. Gardner replied that we can and that in order for the Minister to give local government additional powers the more specific we are by Stage 3 then there is higher level of assurance that the Province will grant the RDN additional regulatory authorities.

M. Tripp commented on MMBC and the intention was to reduce packaging and the amount of recyclable materials in the waste stream but to date there appears to be no improvement.

G. Johnson questioned if we could consider user-pay and give the incentive to recycle?

M. Larson replied that within the RDN it is a mandatory utility fee for curbside residential pickup with strict limits.

J. McTaggart-Cowan asked what could be done to encourage additional recycling in the IC&I and Multi-family sector and maintain the opportunity for the waste haulers to compete?

L. Gardner replied that this can be done with waste source regulation and economic incentives. It would require people to divert more but there would be a higher cost to regulate.

S. Horsburgh commented the existing regulatory framework that includes landfill bans has supported the recycling industry and encouraged the current level of private sector infrastructure. Further regulation that creates an economic incentive would help strengthen the private sector waste diversion activities.

M. Tripp noted with a financial incentive under a levy he would turn the cost back to the customer and receive further diversion.

D. Jones mentioned if franchising goes into the SWMP it would kill private investment.

D. Haarsma commented if a regulation was imposed on multi-family buildings and recycling was regulated, enforcement would be easy for the hauler and it would prevent recyclables being landfilled.

J. McTaggart-Cowan questioned if there was an up to date report on the waste volumes generated from the IC&I and multi-family sector as well as material disposed of outside of the RDN?

L. Gardner replied that the 2012 report has reporting numbers on WSML materials and hasn't changed much.

#### **Zero Waste Definitions and RDN Guiding Principles. (S. Horsburgh – distribution)**

S. Horsburgh gave an overview on ZWIA and the definition of zero waste.

J. Hastings commented that the current Stage One Strategic Plan reads that the RDN doesn't consider waste to energy, in ZWIA definitions no incineration is part of the hierarchy and would like clarification if it is in the strategic plan to explore emerging technologies.

S. Horsburgh commented that while preferences around Zero Waste are not to bury or burn waste, waste to energy is just one of a variety of new and emerging technology treatments to assist regional districts manage future waste disposal options.

Alec McPherson commented that gasification has been discussed at AVICC meetings and there was indication the committee is open to technological change.

G. Johnson commented that he is endorsing the ZWIA definition as long as there is a statement based on the most current independent peer reviewed science.

MOVED J. McTaggart-Cowan, SECONDED J. Hastings, that the ZWIA definition of Zero Waste and the ZWIA Hierarchy of Best Uses guide the consideration of proposals for the next Solid Waste Management Plan. CARRIED

MOVED J. McTaggart-Cowan, SECONDED G. Johnson, that increasing IC&I diversion will be a cornerstone of the next Solid Waste Management Plan. CARRIED

**ADDENDUM**

**NEW BUSINESS**

**ADJOURNMENT**

MOVED J. McTaggart-Cowan, SECONDED E. Ross, that this meeting be adjourned.

Time: 7:40 pm.

  
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CHAIRPERSON

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

**THURSDAY, October 27, 2016, 5:00 PM - 7:30 PM  
(RDN Board Chambers)**

*RDN Meetings may be recorded*

**A G E N D A**

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

2-6 Minutes of the Regional Solid Waste Advisory Committee meeting held June 23, 2016.

**BUSINESS ARISING FROM THE MINUTES**

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

**REPORTS**

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Michael Recalma	Qualicum First Nation
Dean Jones	Waste Management Industry	Chief & Council	Nanoose First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Snuneymuxw First Nation
Michael Tripp	Business Representative	Charlotte Davies	City of Nanaimo
Stewart Young Jr.	Business Representative	Cam Purdon	Town of Qualicum Beach
Wally Wells	Business Representative	Al Leuschen	Ministry of Environment
Craig Evans	Member at Large	Fred Spears	District of Lantzville
John Finnie	Member at Large	Karen Muttersbach	Environment Canada
Ben Geselbracht	Member at Large	Glenn Gibson	Island Health
Michele Green	Member at Large		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN
Meghan Larson	Senior Solid Waste Planner, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN
Sonam Bajwa	Special Projects Assistant, RDN
Rebecca Graves	Recording Secretary, RDN
Ben Routledge	Zero Waste Coordinator

*For information only:*

Regional Board Members: CAO's: Dennis Trudeau (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

DRAFT

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, JUNE 23, 2016  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Wally Wells	Business Representative
Stewart Young Jr.	Business Representative
Derek Haarsma	Business Representative
Amanda Ticknor	Business Representative
Dean Jones	Waste Management Industry
Craig Evans	Member at Large
Ben Geselbracht	Member at Large
Gerald Johnson	Member at Large
Jim McTaggart-Cowan	Member at Large
Ellen Ross	Member at Large
John Finnie	Member at Large
Michele Green	Member at Large

**Also in Attendance:**

Director Young	Electoral Area 'C'
Randy Alexander	General Manager, RCU, RDN
Larry Gardner	Manager of Solid Waste, RDN
Sharon Horsburgh	Senior Solid Waste Planner, RDN
Meghan Larson	Special Projects Coordinator, RDN
Sonam Bajwa	Special Projects Assistant, RDN
Rebecca Graves	Recording Secretary, RDN

**Regrets:**

Charlotte Davis	City of Nanaimo
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Fred Spears	District of Lantzville
Cam Purdon	Town of Qualicum Beach
Michael Tripp	Business Representative

**CALL TO ORDER**

The Chairperson called the meeting to order at 3:18 PM and respectfully acknowledged the Coast Salish First Nations on whose traditional territory the meeting took place.

**DELEGATES**

**MINUTES**

MOVED J. McTaggart-Cowan, SECONDED B. McKay, that the minutes from the meeting of the Regional Solid Waste Advisory Committee regular meeting held May 19, 2016, be adopted. CARRIED

**BUSINESS ARISING FROM THE MINUTES**

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

**REPORTS**

**ADDENDUM**

**NEW BUSINESS**

RDN Solid Waste Management Plan Update - Facilitated Workshop. (J. Enes)

Workshop notes forthcoming.

**ADJOURNMENT**

MOVED J. McTaggart-Cowan, SECONDED E. Ross, that this meeting be adjourned.

Time: 7:40 pm.



CHAIRPERSON

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

**THURSDAY, October 27, 2016, 5:00 PM - 7:30 PM  
(RDN Board Chambers)**

**A G E N D A**  
*RDN Meetings may be recorded*

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

- 3-8 Minutes of the Regional Solid Waste Advisory Committee meeting held June 23, 2016.

**BUSINESS ARISING FROM THE MINUTES**

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

**REPORTS**

- Update on the Stage 2 Process. (R. Alexander – Presentation)
- 9-41 Stage 2 Draft Solid Waste Management Plan (M. Larson – Presentation/Distribution)
- Future Solid Waste Strategies (L. Gardner – Presentation)

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Michael Recalma	Qualicum First Nation
Dean Jones	Waste Management Industry	Chief & Council	Nanoose First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Snuneymuxw First Nation
Michael Tripp	Business Representative	Charlotte Davies	City of Nanaimo
Stewart Young Jr.	Business Representative	Cam Purdon	Town of Qualicum Beach
Wally Wells	Business Representative	Al Leuschen	Ministry of Environment
Craig Evans	Member at Large	Fred Spears	District of Lantzville
John Finnie	Member at Large	Karen Muttersbach	Environment Canada
Ben Geselbracht	Member at Large	Glenn Gibson	Island Health
Michele Green	Member at Large		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN
Meghan Larson	Special Projects Coordinator, RDN
Ben Routledge	Zero Waste Coordinator, RDN
Rebecca Graves	Recording Secretary, RDN
Sonam Bajwa	Special Projects Assistant, RDN

**For information only:**

Regional Board Members: CAO's: Phyllis Carlyle (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, OCTOBER 27, 2016  
BOARD CHAMBERS**

**Present:**

Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Dean Jones	Waste Management Industry
Jim McTaggart-Cowan	Member at Large
Craig Evans	Member at Large
John Finnie	Member at Large
Ben Geselbracht	Member at Large
Michele Green	Member at Large
Gerald Johnson	Member at Large
Ellen Ross	Member at Large
Amanda Ticknor	Member at Large
Charlotte Davis	City of Nanaimo

**Also in Attendance:**

Randy Alexander	General Manager, RCU, RDN
Larry Gardner	Manager of Solid Waste, RDN
Meghan Larson	Solid Waste Planner, RDN
Rebecca Graves	Recording Secretary, RDN

**Regrets:**

Alec McPherson	Chair, RDN Director
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Fred Spears	District of Lantzville
Cam Purdon	Town of Qualicum Beach
Michael Tripp	Business Representative
Wally Wells	Business Representative
Stewart Young Jr.	Business Representative
Derek Haarsma	Business Representative

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:07 PM and respectfully acknowledged the Coast Salish First Nations on whose traditional territory the meeting took place.

**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 June 23, 2016, be adopted. CARRIED

## **BUSINESS ARISING FROM THE MINUTES**

### **UNFINISHED BUSINESS**

### **COMMUNICATIONS/CORRESPONDENCE**

### **REPORTS**

MOVED J. Hastings, SECONDED J. McTaggart-Cowan, that the Committee discuss the process of how revisions to the Draft Stage 2 report are made.

#### **Update on the Stage 2 Process.**

R. Alexander gave an overview of current process and milestones which included RSWAC recommended strategies and options, draft stage 2 report, RSWAC comments on draft, submit revised draft to RDN Board, stage 3 consultation and SWMP submission. Shortlisted options include multi-family food waste collection, haulers as agents and waste source control.

#### **Stage 2 Draft Solid Waste Management Plan.**

M. Larson gave an overview on the Stage 2 Draft SWMP which included key recommendations and preferred options. Options still requiring discussion are economic and regulatory tools, construction and demolition waste and new and emerging technologies.

#### **Future Solid Waste Strategies.**

L. Gardner reviewed options that still require discussion including economic and regulatory tools, construction and demolition waste, new and emerging technologies and waste prevention.

Some of the options that still required discussion are:

- Economic and Regulatory Tools (i.e. Waste Haulers as Agents, Waste Source Regulation, and Waste Hauler Franchising)
- Construction and Demolition Waste
- New and Emerging Technologies
- Waste Prevention

MOVED J. Hastings, SECONDED J. McTaggart-Cowan, that Waste Source Regulation and Waste Haulers as Agents be included in the Solid Waste Management Plan.

CARRIED

MOVED G. Johnson, SECONDED B. Geselbrecht, that Waste Hauler Franchising not be considered in the Solid Waste Management Plan.

CARRIED

MOVED J. McTaggart-Cowan, SECONDED B. Geselbrecht, that introduction of additional regulatory authority, as previously discussed, be included as part of the Construction and Demolition Waste strategy in the Solid Waste Management Plan.

CARRIED

Under Section 4.8 of the draft New and Emerging Technologies discussion highlighted the need to continue to investigate new and emerging technologies throughout the lifespan of the plan with a focus on source separation before implementing new technologies (i.e. MRF) and in line with the Zero Waste Hierarchy.

Discussion highlighted the need for waste prevention and stronger messaging under Section 4.2.3 as part of the advocacy role of the RDN.

**ADDENDUM**

**NEW BUSINESS**

**ADJOURNMENT**

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

CARRIED

Time: 7:35 pm.

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CHAIRPERSON

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

**THURSDAY, DECEMBER 1, 2016 5:00 PM - 7:30 PM  
(RDN Board Chambers)**

**A G E N D A**  
*RDN Meetings may be recorded*

**CALL TO ORDER**

**DELEGATIONS**

**MINUTES**

2-4 Minutes of the Regional Solid Waste Advisory Committee meeting held October 27, 2016.

**BUSINESS ARISING FROM THE MINUTES**

**UNFINISHED BUSINESS**

**COMMUNICATIONS/CORRESPONDENCE**

**REPORTS**

5-38 Final Stage 2 SWMP Report (M. Larson - Presentation/Distribution)

**PRESENTATION**

Stage 2 SWMP Update (M. Larson)

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Michael Recalma	Qualicum First Nation
Dean Jones	Waste Management Industry	Chief & Council	Nanoose First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Snuneymuxw First Nation
Michael Tripp	Business Representative	Charlotte Davies	City of Nanaimo
Stewart Young Jr.	Business Representative	Cam Purdon	Town of Qualicum Beach
Wally Wells	Business Representative	Al Leuschen	Ministry of Environment
Craig Evans	Member at Large	Fred Spears	District of Lantzville
John Finnie	Member at Large	Karen Muttersbach	Environment Canada
Ben Geselbracht	Member at Large	Glenn Gibson	Island Health
Michele Green	Member at Large		

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN	Ben Routledge	Zero Waste Coordinator, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN	Rebecca Graves	Recording Secretary, RDN
Meghan Larson	Special Projects Coordinator, RDN	Sonam Bajwa	Special Projects Assistant, RDN

**For information only:**

Regional Board Members: CAO's: Phyllis Carlyle (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, December 1, 2016  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Dean Jones	Waste Management Industry
Jim McTaggart-Cowan	Member at Large
Wally Wells	Business Representative
Craig Evans	Member at Large
John Finnie	Member at Large
Michael Tripp	Business Representative
Gerald Johnson	Member at Large
Ellen Ross	Member at Large
Cam Purdon	Town of Qualicum Beach
Ben Geselbracht	Member at Large
Derek Haarsma	Business Representative
Amanda Ticknor	Member at Large

**Also in Attendance:**

Randy Alexander	General Manager, RCU, RDN
Larry Gardner	Manager of Solid Waste, RDN
Meghan Larson	Solid Waste Planner, RDN
Ben Routledge	Zero Waste Coordinator, RDN
Shelleen Schultz	Recording Secretary, RDN

**Regrets:**

Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Fred Spears	District of Lantzville
Stewart Young Jr.	Business Representative
Michele Green	Member at Large
Charlotte Davis	City of Nanaimo
Matthew Louie	Member at Large

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:05 PM and respectfully acknowledged the Coast Salish First Nations on whose traditional territory the meeting took place.

**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 October 27, 2016, be adopted.

CARRIED

## **BUSINESS ARISING FROM THE MINUTES**

### **UNFINISHED BUSINESS**

### **COMMUNICATIONS/CORRESPONDENCE**

#### **RDN Solid Waste Management Stage 2 Report – VIRWIC.**

MOVED G. Johnson, SECONDED J. Hastings, that the communications/correspondence from VIRWIC re. RDN Solid Waste Management Stage 2 Report be received.

CARRIED

### **REPORTS**

#### **Draft Stage 2 SWMP Report (M. Larson – Presentation)**

M. Larson gave a presentation on the Draft Stage 2 SWMP report and requested that members read section 5.0 Long Term Residual Management. Comments, questions and/or suggestions were requested regarding the report and be received by Wednesday December 7, 2016.

Discussion highlighted the need for committee members input on a number of areas on the Draft Stage 2 SWMP report.

M. Larson reviewed the changes that occurred with the Draft SWMP were:

- Re-ordered the Strategies outlined in the report
- Updated Guiding Principles to BC Ministry of Environment Guiding Principles
- Replaced the BC Ministry Hierarchy with ZIWA Hierarchy
- Inserted “First Nations” when referring to the four First Nations Indian Reserves
- Added to Regional District (Board and Staff) roles in Solid Waste Management
  - Develops policies which promotes a level playing field within the waste management sector
- Reordered the Section 4.1 General Strategies
- Expanded Advocacy Roles in 4.2.3
- Section 4.3 addition of: Additionally, Section 4.5.2 discusses the introduction of Waste Source Regulation as an additional authority under the SWMP which would drive the requirement for all multi-family buildings to have full diversion programs in place for recyclables and organics.
- Changed the order of the Regulatory Authorities with Waste Source Regulation before Waste Haulers as Agents

Some points of discussion were:

- Reference to and for the ZWIA hierarchy & definition commitment
- Role of local, provincial and federal government to advocate for the 5 R’s
- Identify the need to develop a Solid Waste Emergency Management Plan
- Identify social enterprises’ role
- New and emerging waste management technology in Stage 3
- Funding structure in order to reach 90% diversion goal

MOVED B. McKay, SECONDED G. Johnson, that the Draft SWMP Stage 2 Report be accepted for public consultation.

CARRIED

**PRESENTATION**

Stage 2 SWMP Update presented in conjunction with the report.

**ADDENDUM**

Addendum covered under Communications/Correspondence.

**NEW BUSINESS**

**ADJOURNMENT**

MOVED J. McTaggart, SECONDED E. Ross, that the meeting be adjourned.

CARRIED

Time: 7:29 pm.

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CHAIRPERSON

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

**THURSDAY, APRIL 20, 2017 5:00 PM - 7:30 PM  
(RDN Board Chambers)**

**A G E N D A**  
*RDN Meetings may be recorded*

**CALL TO ORDER**

**MINUTES**

2-4 Minutes of the Regional Solid Waste Advisory Committee meeting held December 1, 2016.

**PRESENTATION**

SWMP Consultation Update. *Staff will provide presentation.*

5-15 Dispute Resolution Process. *Staff will provide presentation.  
Background information provided.*

SWMP Financial Projections Update. *Staff will provide presentation.*

**DELEGATIONS**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

**REPORTS**

**BUSINESS ARISING FROM DELEGATIONS/COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Mathew Louie	Member at Large
Dean Jones	Waste Management Industry	Michael Recalma	Qualicum First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Nanoose First Nation
Michael Tripp	Business Representative	Chief & Council	Snuneymuxw First Nation
Stewart Young Jr.	Business Representative	Charlotte Davies	City of Nanaimo
Wally Wells	Business Representative	Cam Purdon	Town of Qualicum Beach
Craig Evans	Member at Large	Al Leuschen	Ministry of Environment
John Finnie	Member at Large	Fred Spears	District of Lantzville
Ben Geselbracht	Member at Large	Karen Muttersbach	Environment Canada
Michele Green	Member at Large	Glenn Gibson	Island Health

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN	Ben Routledge	Zero Waste Coordinator, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN	Rebecca Graves	Recording Secretary, RDN
Meghan Larson	Solid Waste Planner, RDN	Sonam Bajwa	Special Projects Assistant, RDN

**For information only:**

Regional Board Members: CAO's: Phyllis Carlyle (RDN), Brad McRae (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, APRIL 20, 2017  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Dean Jones	Waste Management Industry
Jim McTaggart-Cowan	Member at Large
Craig Evans	Member at Large
John Finnie	Member at Large
Gerald Johnson	Member at Large
Ellen Ross	Member at Large
Ben Geselbracht	Member at Large
Amanda Ticknor	Member at Large
Stewart Young Jr.	Business Representative
Charlotte Davis	City of Nanaimo
Derek Haarsma	Business Representative
Matthew Louie	Member at Large

**Also in Attendance:**

Phyllis Carlyle	CAO, RDN
Randy Alexander	General Manager, RCU, RDN
Larry Gardner	Manager of Solid Waste, RDN
Meghan Larson	Solid Waste Planner, RDN
Rebecca Graves	Recording Secretary, RDN

**Regrets:**

Wally Wells	Business Representative
Michael Tripp	Business Representative
Cam Purdon	Town of Qualicum Beach
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Fred Spears	District of Lantzville
Michele Green	Member at Large

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:13 PM and respectfully acknowledged the Coast Salish First Nations on whose traditional territory the meeting took place.

**APPROVAL OF AGENDA**

It was moved and seconded that the agenda be approved as circulated.

CARRIED UNANIMOUSLY

**ADOPTION OF MINUTES**

It was moved and seconded that the minutes from the Regional Solid Waste Advisory Committee meeting held December 1, 2016, be adopted.

CARRIED UNANIMOUSLY

## **PRESENTATION**

### **SWMP Consultation Update.**

M. Larson updated the Committee on the Stage 2 SWMP consultation completed to date. The overall feedback was positive for programs presented in the draft report and further revisions are not warranted.

Discussion ensued on the potential for development of a Material Recovery Facility. The report had previously been revised to reflect that such a facility is envisioned through private sector investment. A public sector facility would only be considered after fully implementing source reduction efforts and if a private sector facility does not materialize.

### **Solid Waste Management Plan Dispute Resolution.**

L. Gardner presented on SWMP Dispute Resolution. The Ministry of Environment recommends every regional district should establish and consult on a dispute resolution procedure for dealing with disputes arising during implementation of a plan. Examples of disputes include administrative decisions related to a license, interpretation of a provision in the Plan and any other matter not related to a proposed change to the actual wording of the plan.

It was moved and seconded that:

SWMP disputes be directed to the Board for decision; and that the Board consider mediation for non-regulatory or legislative decisions.

Opposed (3): S. Young, D. Jones, D. Haarsma

CARRIED

The Committee recommended that once Metro Vancouver has completed their review they would revisit the procedure.

### **Stage 2 SWMP Financial Projections.**

L. Gardner gave a presentation on the Stage 2 SWMP financial projections on the SWMP preferred options.

It was moved and seconded to include a line item in the SWMP for subsidizing social enterprise.

It was moved and seconded that the recommendation be referred back to staff for inclusion in next agenda of this body.

Opposed (1): J. McTaggart-Cowan.

CARRIED

## **ADJOURNMENT**

It was moved and seconded that this meeting be adjourned.

CARRIED UNANIMOUSLY

Time: 7:47 pm.

---

CHAIRPERSON

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

**THURSDAY, MAY 25, 2017 5:00 PM - 7:30 PM  
(RDN Board Chambers)**

**A G E N D A**  
*RDN Meetings may be recorded*

**PAGES**

- 1. CALL TO ORDER**
- 2. ADOPTION OF THE AGENDA**
- 3. ADOPTION OF MINUTES**  
3-4            3.1 *That the minutes of the Regional Solid Waste Advisory Committee meeting held April 20, 2017 be adopted.*
- 4. PRESENTATIONS**  
4.1 SWMP Update.  
*Staff will provide presentation.*
- 5. DELEGATION**
- 6. COMMUNICATIONS/CORRESPONDENCE**
- 7. UNFINISHED BUSINESS**  
7.1 Subsidizing of Social Enterprise under the Solid Waste Management Plan.
- 8. COMMITTEE MINUTES AND RECOMMENDATIONS**
- 9. REPORTS**
- 10. BUSINESS ARISING FROM DELEGATIONS**
- 11. NEW BUSINESS**
- 12. ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Matthew Louie	Member at Large
Dean Jones	Waste Management Industry	Michael Recalma	Qualicum First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Nanoose First Nation
Michael Tripp	Business Representative	Chief & Council	Snuneymuxw First Nation
Stewart Young Jr.	Business Representative	Charlotte Davies	City of Nanaimo
Wally Wells	Business Representative	Cam Purdon	Town of Qualicum Beach
Craig Evans	Member at Large	Al Leuschen	Ministry of Environment
John Finnie	Member at Large	Fred Spears	District of Lantzville
Ben Geselbracht	Member at Large	Karen Muttersbach	Environment Canada
Michele Green	Member at Large	Glenn Gibson	Island Health

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN	Ben Routledge	Zero Waste Coordinator, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN	Rebecca Graves	Recording Secretary, RDN
Meghan Larson	Solid Waste Planner, RDN	Sonam Bajwa	Special Projects Assistant, RDN

**For information only:**

Regional Board Members: CAO's: Phyllis Carlyle (RDN), Ronald Campbell (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO  
REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING  
HELD ON THURSDAY, MAY 25, 2017  
BOARD CHAMBERS**

**Present:**

Alec McPherson	Chair, RDN Director
Bill McKay	Deputy Chair, RDN Director
Jan Hastings	Non Profit Representative
Jim McTaggart-Cowan	Member at Large
Craig Evans	Member at Large
John Finnie	Member at Large
Gerald Johnson	Member at Large
Ellen Ross	Member at Large
Amanda Ticknor	Member at Large
Charlotte Davis	City of Nanaimo
Wally Wells	Business Representative
Ben Geselbracht	Member at Large
Dean Jones	Waste Management Industry

**Also in Attendance:**

Phyllis Carlyle	CAO, RDN
Randy Alexander	General Manager, RCU, RDN
Larry Gardner	Manager of Solid Waste, RDN
Meghan Larson	Solid Waste Planner, RDN
Rebecca Graves	Recording Secretary, RDN

**Regrets:**

Matthew Louie	Member at Large
Stewart Young Jr.	Business Representative
Michele Green	Member at Large
Derek Haarsma	Business Representative
Michael Tripp	Business Representative
Cam Purdon	Town of Qualicum Beach
Chief & Council	Nanoose First Nation
Chief & Council	Snuneymuxw First Nation
Michael Recalma	Qualicum First Nation
Glenn Gibson	Island Heath
Al Leuschen	Ministry of Environment
Karen Muttersbach	Environment Canada
Fred Spears	District of Lantzville

**CALL TO ORDER**

The Chairperson called the meeting to order at 5:15 PM and respectfully acknowledged the Coast Salish First Nations on whose traditional territory the meeting took place.

**APPROVAL OF AGENDA**

It was moved and seconded that the agenda be approved as circulated.

CARRIED UNANIMOUSLY

**ADOPTION OF MINUTES**

It was moved and seconded that the minutes from the Regional Solid Waste Advisory Committee meeting held April 20, 2017, be adopted.

CARRIED UNANIMOUSLY

## **PRESENTATION**

### **SWMP Update.**

L. Gardner and M. Larson gave an outline on the SWMP Update which included an update on the timeline, Stage 2 Consultation Report, Stage 2 SWMP Report Adoption, Stage 3 SWMP Next Steps, Stage 3 Consultation and Financial Projections Update.

A discussion occurred in regards to any edits or additions that should be included in the Stage 2 SWMP report.

## **CORRESPONDENCE**

### **Jan Hastings, NRE, re Funding for Social Enterprise.**

## **UNFINISHED BUSINESS**

### **Subsidizing of Social Enterprise under the Solid Waste Management Plan.**

J. Hastings introduced and discussed the Income Summary for Zero Waste Recycling items that the NRE accepts.

It was moved and seconded that the discussion in regards to Subsidizing of Social Enterprise under the Solid Waste Management Plan be deferred to the next Regional Solid Waste Advisory Committee meeting.

Opposed J. McTaggart-Cowan. (1)

CARRIED

## **REPORTS**

### **Stage 2 Consultation Summary**

It was moved and seconded that the Regional Solid Waste Advisory Committee receives the Stage 2 Solid Waste Management Plan Consultation and Communications Summary for information.

CARRIED UNANIMOUSLY

### **2017 SWMP Stage 2 Report Adoption**

It was moved and seconded that the Regional Board adopt the Stage 2 Solid Waste Management Plan report.

CARRIED UNANIMOUSLY

## **ADJOURNMENT**

It was moved and seconded that this meeting be adjourned.

CARRIED UNANIMOUSLY

Time: 7:38pm.

---

CHAIRPERSON

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

**THURSDAY, July 13, 2017 5:00 PM - 7:30 PM  
(RDN Board Chambers)**

**A G E N D A**  
*RDN Meetings may be recorded*

**PAGES**

- 1. CALL TO ORDER**
- 2. ADOPTION OF THE AGENDA**
- 3. ADOPTION OF MINUTES**  
3-4            3.1 *That the minutes of the Regional Solid Waste Advisory Committee meeting held May 25, 2017 be adopted.*
- 4. PRESENTATIONS**
  - 4.1 Draft SWMP  
*Staff will provide presentation.*
  - 4.2 SWMP Consultation Update
- 5. DELEGATION**
- 6. COMMUNICATIONS/CORRESPONDENCE**
  - 6.1 Resignation of Matthew Louie
- 7. UNFINISHED BUSINESS**
  - 7.1 Subsidizing of Social Enterprise/Zero Waste Recycling under the Solid Waste Management Plan.
- 8. COMMITTEE MINUTES AND RECOMMENDATIONS**
- 9. REPORTS**
- 10. BUSINESS ARISING FROM DELEGATIONS**
- 11. NEW BUSINESS**
- 12. ADJOURNMENT**

**Distribution:**

Alec McPherson	Chair, RDN Director	Gerald Johnson	Member at Large
Bill McKay	Deputy Chair	Ellen Ross	Member at Large
Derek Haarsma	Business Representative	Amanda Ticknor	Member at Large
Jan Hastings	Non Profit Representative	Matthew Louie	Member at Large
Dean Jones	Waste Management Industry	Michael Recalma	Qualicum First Nation
Jim McTaggart-Cowan	Member at Large	Chief & Council	Nanoose First Nation
Michael Tripp	Business Representative	Chief & Council	Snuneymuxw First Nation
Stewart Young Jr.	Business Representative	Charlotte Davies	City of Nanaimo
Wally Wells	Business Representative	Cam Purdon	Town of Qualicum Beach
Craig Evans	Member at Large	Al Leuschen	Ministry of Environment
John Finnie	Member at Large	Fred Spears	District of Lantzville
Ben Geselbracht	Member at Large	Karen Muttersbach	Environment Canada
Michele Green	Member at Large	Glenn Gibson	Island Health

**RDN Staff:**

Larry Gardner	Manager, Solid Waste Services, RDN	Ben Routledge	Zero Waste Coordinator, RDN
Randy Alexander	GM, RCU & Solid Waste Services, RDN	Rebecca Graves	Recording Secretary, RDN
Meghan Larson	Solid Waste Planner, RDN	Sonam Bajwa	Special Projects Assistant, RDN

***For information only:***

Regional Board Members: CAO's: Phyllis Carlyle (RDN), Ronald Campbell (District of Lantzville), Debbie Comis (City of Parksville), Daniel Sailland (Town of Qualicum Beach), Tracy Samra (City of Nanaimo)

**REGIONAL DISTRICT OF NANAIMO**

**MINUTES OF THE REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING**

**Thursday, July 13, 2017**

**5:00 P.M.**

**RDN Board Chambers**

In Attendance:	A. McPherson	Chairperson
	B. McKay	City of Nanaimo
	J. Hastings	Non Profit Representative
	J. McTaggart-Cowan	Member at Large
	J. Finnie	Member at Large
	W. Wells	Business Representative
	B. Geselbracht	Member at Large
	D. Haarsma	Business Representative
	A. Ticknor	Member at Large
	C. Purdon	Town of Qualicum Beach
Regrets:	C. Evans	Member at Large
	G. Johnson	Member at Large
	E. Ross	Member at Large
	D. Jones	Waste Management Industry
	S. Young	Business Representative
	M. Tripp	Business Representative
	M. Green	Member at Large
Also in Attendance:	L. Gardner	Manager, Solid Waste Services
	R. Alexander	General Manager, RCU
	M. Larson	Solid Waste Planner
	R. Graves	Recording Secretary
	M. Young	Director, Electoral Area C
	G. Garbutt	General Manager, SCD

**CALL TO ORDER**

The Chair called the meeting to order and respectfully acknowledged the Coast Salish Nations on whose traditional territory the meeting took place.

**APPROVAL OF THE AGENDA**

It was moved and seconded that the agenda be approved as presented.

CARRIED UNANIMOUSLY

**ADOPTION OF MINUTES**

**Regional Solid Waste Advisory Committee Meeting - May 25, 2017**

That the minutes of the Regional Solid Waste Advisory Committee meeting held May 25, 2017, be adopted.

eSCRIBE Minutes

CARRIED UNANIMOUSLY

It was moved and seconded that the Unfinished Business item be brought forward.

CARRIED UNANIMOUSLY

**Unfinished Business**

Subsidizing of Social Enterprise/Zero Waste Recycling under the Solid Waste Management Plan.

The Regional Solid Waste Advisory Committee recommends that the Board fund a non-profit enterprise to act as a research/recycling hub for recycling items currently not commercially marketable. The research/recycling hub would develop methods, markets and collaborations for items not currently easily recyclable, investigate barriers to recycling these items, and develop recycling programs that would ultimately benefit the Regional district of Nanaimo as a whole. Funding for the research/recycling hub would be set at \$300,000 annually over a 5 year pilot project.

CARRIED UNANIMOUSLY

**INVITED PRESENTATIONS**

**Draft SWMP**

Staff provided the Committee with a verbal presentation.

**SWMP Consultation Update**

Staff provided the Committee with a verbal presentation.

**CORRESPONDENCE**

**Matthew Louie, re Resignation Email**

It was moved and seconded that the Resignation Email from Matthey Louie be received.

CARRIED UNANIMOUSLY

**Maura Walker & Associates, re Review of Stage 2 Solid Waste Management Plan Consultation Efforts**

It was moved and seconded that the correspondence from Maura Walker & Associates re Review of Stage 2 Solid Waste Management Plan Consultation Efforts be received.

CARRIED UNANIMOUSLY

**NEW BUSINESS**

**Metro Van Programs**

Staff provided the Committee with a verbal presentation.

**ADJOURNMENT**

It was moved and seconded that the meeting be adjourned.

CARRIED UNANIMOUSLY

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CHAIR

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

**Thursday, April 19, 2018**

**5:00 P.M.**

**RDN Board Chambers**

	<b>Pages</b>
<b>1. CALL TO ORDER</b>	
<b>2. APPROVAL OF THE AGENDA</b>	
<b>3. ADOPTION OF MINUTES</b>	
<b>3.1 Regional Solid Waste Advisory Committee Meeting - July 13, 2017</b>	<b>2</b>
That the minutes of the Regional Solid Waste Advisory Committee meeting held July 13, 2017, be adopted.	
<b>4. DELEGATIONS</b>	
<b>5. CORRESPONDENCE</b>	
<b>6. INVITED PRESENTATIONS</b>	
<b>6.1 Stage 3 Consultation Report</b> <i>Staff will provide presentation.</i>	<b>5</b>
<b>6.2 Monitoring Committee Plan</b> <i>Staff will provide presentation.</i>	<b>193</b>
<b>6.3 Updated Solid Waste Management Plan</b> <i>Staff will provide presentation.</i>	<b>195</b>
<b>7. UNFINISHED BUSINESS</b>	
<b>8. BUSINESS ARISING FROM DELEGATIONS</b>	
<b>9. NEW BUSINESS</b>	
<b>10. ADJOURNMENT</b>	

**REGIONAL DISTRICT OF NANAIMO**

**MINUTES OF THE REGIONAL SOLID WASTE ADVISORY COMMITTEE MEETING**

**Thursday, April 19, 2018**

**5:00 P.M.**

**RDN Board Chambers**

In Attendance:	Director A. McPherson	Chair
	Director B. McKay	City of Nanaimo
	C. Evans	Member at Large
	J. Finnie	Member at Large
	B. Geselbracht	Member at Large
	M. Green	Member at Large
	D. Haarsma	Business Representative
	J. Hastings	Non Profit Representative
	G. Johnson	Member at Large
	D. Jones	Waste Management Industry
	J. McTaggart-Cowan	Member at Large
	E. Ross	Member at Large
	A. Ticknor	Member at Large
	M. Tripp	Business Representative
Regrets:	W. Wells	Business Representative
	S. Young	Business Representative
Also in Attendance:	R. Alexander	Gen. Mgr. Regional and Community Utilities
	L. Gardner	Mgr. Solid Waste Services
	C. Davies	City of Nanaimo
	C. Purdon	Town of Qualicum Beach
	M. Recalma	Qualicum First Nation
	S. Bajwa	Special Projects Assistant
	R. Graves	Recording Secretary

**CALL TO ORDER**

The Chair called the meeting to order and respectfully acknowledged the Coast Salish Nations on whose traditional territory the meeting took place.

**APPROVAL OF THE AGENDA**

It was moved and seconded that the agenda be approved as presented.

CARRIED UNANIMOUSLY

**ADOPTION OF MINUTES**

**Regional Solid Waste Advisory Committee Meeting - July 13, 2017**

It was moved and seconded that the minutes of the Regional Solid Waste Advisory Committee meeting held July 13, 2017, be adopted.

CARRIED UNANIMOUSLY

**INVITED PRESENTATIONS**

It was moved and seconded that the Stage 3 Consultation Report, Monitoring Committee Plan and Updated Solid Waste Management Plan be received for information.

CARRIED UNANIMOUSLY

**ADJOURNMENT**

It was moved and seconded that the meeting be adjourned.

CARRIED UNANIMOUSLY

TIME: 6:02 PM

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CHAIR