

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

**WEDNESDAY, MARCH 15, 2017, 1:30 PM – 3:30 PM  
RDN Board Room**

**A G E N D A**

*RDN meetings may be recorded*

**PAGES**

**CALL TO ORDER**

**DELEGATION**

**Dave Hammond, Nanaimo Organics Waste** re Organics Processing Joint Venture

**MINUTES**

2-3 Minutes of the Solid Waste Management Select Committee meeting held November 28, 2016.

**BUSINESS ARISING FROM THE MINUTES**

**COMMUNICATIONS/CORRESPONDENCE**

**UNFINISHED BUSINESS**

**ADVISORY COMMITTEE**

4-6 Minutes of the Regional Solid Waste Advisory Committee meeting held October 27, 2016.

7-9 Minutes of the Regional Solid Waste Advisory Committee meeting held December 1, 2016.

**REPORTS**

10-19 Joint Venture Proposal to Extend Organics Processing Contract for 20 Years.  
*Staff will provide presentation.*

20-29 Charitable and Non-Profit Organizations – Waived Tipping Fees.  
*Staff will provide presentation.*

**PRESENTATIONS**

Status Update SWMP (M. Larson)

**ADDENDUM**

**BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS**

**NEW BUSINESS**

**ADJOURNMENT**

## REGIONAL DISTRICT OF NANAIMO

### MINUTES OF THE SOLID WASTE MANAGEMENT SELECT COMMITTEE MEETING HELD ON TUESDAY, NOVEMBER 28, 2016 AT 1:30 PM RDN BOARD ROOM

#### Present:

Director A. McPherson	Chairperson
Director J. Stanhope	Electoral Area 'G'
Director M. Young	Electoral Area 'C'
Director H. Houle	Electoral Area 'B'
Director M. Lefebvre	City of Parksville
Director B. McKay	City of Nanaimo
Director T. Westbrook	Town of Qualicum Beach

#### Also in Attendance:

P. Carlyle	CAO, RDN
B. Rogers	Electoral Area 'E'
R. Alexander	GM, RCU, RDN
L. Gardner	Manager, Solid Waste Services
B. Routledge	Zero Waste Co-ordinator
R. Graves	Recording Secretary, RDN

#### Regrets:

Director J. Hong	City of Nanaimo
Director J. Kipp	City of Nanaimo

#### CALL TO ORDER

The Chairperson called the meeting to order at 1:32 PM and respectfully acknowledged the Coast Salish First Nations on whose traditional territory the meeting took place.

#### MINUTES

MOVED Director Stanhope, SECONDED Director Westbrook, that the minutes from the Solid Waste Select Committee meeting held October 25, 2016 be received.

CARRIED

#### BUSINESS ARISING FROM THE MINUTES

#### COMMUNICATIONS/CORRESPONDENCE

#### UNFINISHED BUSINESS

#### ADVISORY COMMITTEE

#### REPORTS

#### Bylaw No. 1591.07 – Solid Waste & Recycling Collection Service Rates and Regulations Amendment Bylaw.

MOVED Director Westbrook, SECONDED Director Lefebvre, that "Regional District of Nanaimo Solid Waste and Recycling Collection Service Rates and Regulations Amendment Bylaw No. 1591.07, 2016", be introduced and read three times.

CARRIED

MOVED Director Westbrook, SECONDED Director Lefebvre, that "Regional District of Nanaimo Solid Waste and Recycling Collection Services Rates and Regulations Amendment Bylaw No. 1591.07, 2016", be adopted.

CARRIED

**Status Update SWMP – Communications Plan.**

Moved Director Stanhope , SECONDED Director Lefebvre, that the Status Update SWMP Communications Plan report be received.

CARRIED

**AVICC Special Committee on Solid Waste – 2017 Funding.**

MOVED Director Stanhope, SECONDED Director Lefebvre, that 2017 funding for the AVICC Special Committee on Solid Waste Management in the amount of \$2,941.44 be approved.

CARRIED

**PRESENTATION**

**Solid Waste & Recycling Collection Service Rates 2017.**

B. Routledge presented on solid waste and recycling collection service rates for 2017 which included public education, utility billing and working with partner municipalities and curbside outreach for the summer 2017.

**Status Update SWMP – Communications Plan.**

L. Gardner updated the Committee on the status of the plan which included the timeline outline, changes to the Stage 2 Draft report and the Stage 2 Consultation and Communications Plan.

**AVICC Special Committee on Solid Waste – Proposed Cost-Sharing Formula.**

L. Gardner gave a verbal report on the proposed cost sharing with AVICC Special Committee on Solid Waste requesting approval of funding for \$2,941.44.

**NEW BUSINESS**

MOVED Director Lefebvre, SECONDED Director Stanhope, that staff be directed to prepare a report outlining potential arrangements for reduced tipping fees for non-profit organizations.

CARRIED

**NEXT MEETING**

Next SWMSC meeting to be announced.

**ADJOURNMENT**

Moved Director Stanhope, SECONDED Director Lefebvre, that the meeting be adjourned.

Time: 2:48pm

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CHAIRPERSON

**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  
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

**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

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**TO:** Solid Waste Management Select Committee                      **MEETING:** March 15, 2017

**FROM:** Larry Gardner  
Manager, Solid Waste Services                      **FILE:** 5360-01

**SUBJECT:** Joint Venture Proposal to Extend Organics Processing Contract for 20 Years

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**RECOMMENDATIONS**

1. That the Board direct staff to negotiate with the Joint Venture for a long term contract for organic waste processing and report back to the Board with recommended contract terms.
2. That the Board approve up to \$50,000 be allocated from the Solid Waste Services budget to undertake financial, legal and due diligence activities associated with the negotiations.

**SUMMARY**

A Joint Venture has approached the Regional District of Nanaimo (RDN) with a proposal to enter into a long term agreement (e.g. 20 years) for processing organic waste. The Joint Venture is in negotiations to acquire the Nanaimo Organic Waste (NOW) facility with whom the RDN has an existing contract. Significant capital upgrades of the existing facility are proposed to improve the process, odour control and quality of the finished compost.

**BACKGROUND**

Nanaimo Organic Waste (NOW) History

The RDN originally entered into an agreement with the former owner of NOW, International Composting Corporation, on April 1, 2010. From 2010 to 2014, the composting operation was challenged by performance issues. The owner had inadequate finances to carry out needed repairs and odour improvements. Offensive odours became a serious concern for the community.

In advance of acquiring NOW, the current owners presented at the November 26, 2013 Board meeting. They explained the financial difficulties that the composting facility was undergoing and the imminent danger of the company going into bankruptcy. The solution proposed was an increase in the processing rate paid by the RDN to provide for facility upgrades and improved odour control. Consequently, the Board approved an amended contract that set out facility upgrades, increased the processing fee, and extended the contract until 2020. NOW completed a number of facility improvements and significantly reduced the number and significance of odour incidents. The contract process rates from 2014 through 2020 are presented in Table 1.

The cost to the RDN for food waste in 2017 is \$129.47/tonne, and the cost for yard waste is \$47.75/tonne. The contract with NOW provides for a minimum guaranteed payment which is the equivalent charge for processing 4408.5 tonnes of yard waste and 4194.4 tonnes of food waste annually. Organic waste quantities attributed to the RDN for 2016 total 7834 tonnes of yard waste, and 7087 tonnes of food waste. Details are presented in Table 2.

The contract with NOW provides for sharing of net revenues derived from the sale of the finished compost. To date, the finished compost value has been low, equaling the trucking cost to remove the compost from the facility. This is primarily due to the plastics content which cannot be readily removed with the current compost processing method.

#### Organics Processing Costs for Vancouver Island and the Lower Mainland

Table 3 provides gate fees for organics processing on Vancouver Island and the Lower Mainland. The average pricing for Vancouver Island yard waste and food waste processing is \$83.50/tonne and \$97.50/tonne respectively; Lower Mainland average pricing is \$57.00/tonne \$62.50/tonne respectively. The food waste is composted while the yard and garden waste is either composted or blended with ground land clearing debris to make hog fuel.

Likely the best comparative cost for food waste transportation and processing on Vancouver Island is that of Capital Regional District (CRD) which generates approximately 10,000 tonnes of food waste annually. In 2016, following a competitive procurement process, CRD awarded a two year contract for the transportation and processing of food waste collected at the Hartland Landfill for a rate of \$116.22 per tonne (2017 rate). The contractor identified both a lower mainland and a Vancouver Island facility as providing the processing capacity. Table 4 is a summary of area processing rates.

CRD has increased their food waste tipping rate to \$120/tonne while maintaining their refuse rate a \$110/tonne. CRD prohibits the landfilling of food waste and relies on enforcement at the landfill to discourage the landfilling of food waste.

#### Joint Venture Proposal

On October 25, 2016, a delegation presented to the SWMSC with a proposal to revamp the NOW facility resulting in a state-of-the-art composing facility. The delegation was made up of the following representatives:

- **Main Operator:** Waste Treatment Technologies (WTT) – Netherlands and Germany based company that specializes in turn-key mechanical and biological waste treatment solutions. WTT has built over 120 projects and more than 1250 tunnel composter and reactors internationally. They are the primary equipment supplier for the Orgaworld Surrey facility.
- **Equity Provider:** Convent Capital is an independent Dutch private equity firm investing in companies that create sustainable value. Their shareholdings include a steel foundry, a cycle storage company, orthotics technology and WTT.
- **Current Shareholders:** Nanaimo Organic Waste principals.
- **Support:** Orgaworld, a subsidiary of the Shanks Group and specialize in organics processing. They are currently building a \$70 million facility in Surrey.

Since the October presentation, Orgaworld is no longer involved with this project. The RDN has been advised that Orgaworld is no longer pursuing North American business development. As a result, two individuals that have been involved at a senior level within Orgaworld Canadian operations will continue with this project independent of Orgaworld. The Joint Venture is proposed to be made up of company or individual ownership based on 30% NOW principals and 70% by the Dutch group (i.e. WTT, Convent Capital, ex-Orgaworld representatives). The details of the legal and financial structure of the Joint Venture will need to be clarified and reviewed as part of the negotiation process.

The Joint Venture proposes to invest significant capital (i.e. \$3.5 million) to upgrade the existing NOW facility to produce a high value Class A compost, and eliminate nuisance odours beyond the property boundary. They propose a fundamental technology process shift to convert the existing rotary drum

composting to tunnel composting and to replace the bio-filter with a functional unit. Benefits of the process change are:

1. Greater ability to control the composting process (e.g. temperature, moisture) resulting in faster and more thorough maturation and consequently a better end product.
2. Drier and bulkier final product allowing effective screening of contaminants resulting in a high quality and high value product.
3. Leachate production control. The technology change will result in a moisture deficient process that does not produce a leachate discharge. Currently NOW suffers from high cost of treating significant volumes of leachate they produce. Furthermore, there is essentially only a single option for leachate treatment and disposal which is the Harmac Pulp Mill treatment system. It is unlikely that NOW would remain viable should they lose access to the Harmac treatment facility.
4. Better control of odours because the composting takes place in sealed tunnels.
5. Although the tunnels provide better control of odours as compared to the existing rotary drum system, robust odour control will still be necessary. The plan is to replace the existing bio-filter with a larger functional unit.

The Joint Venture has provided preliminary costing, starting at the current rates with decreasing costs as additional quantities of organics are attracted to the facility. They are suggesting guaranteed volumes of 15,000 tonnes. This is an increase of about 80% over the current guaranteed minimum but about equal to the amounts the RDN currently ships to NOW (inclusive of NRE yard waste).

The Joint Venture also recognizes that RDN policies (e.g. commercial organic waste reduction strategies) can have significant impact to the organic waste that might be directed to the NOW facility and they are open to exploring cost step down mechanisms that are based on total plant processing amounts and not only on the amount of material that is directly sourced from the RDN. For illustration purposes only, they have projected rates starting at \$45 and \$122 per tonne for yard and food waste respectively (in line with current rates) with rates falling over an eight year period to \$27.80 and \$85.10 per tonne for each of yard and food waste.

Although not part of the current plan, the Joint Venture has highlighted their expertise in waste processing that includes materials sorting (i.e. multi-material recycling facility or MMRF) to producing a biogas or refuse derived fuel. This composting facility is entirely compatible with a separate or independently run MMRF should one be situated in the RDN at some time in the future. Essentially a MMRF sorts materials of which one of the streams would be organics which could be processed at a composting facility.

#### Experience in Other Canadian Jurisdictions with the Joint Venture Principals

The Joint Venture principals, with the exception of the current NOW owners, have worked together on composting projects internationally. In Canada, they have all been participants in Orgaworld's composting facilities in Ottawa, London and Surrey.

#### **Orgaworld, Ottawa:**

In 2008, following a competitive tendering process, the City of Ottawa entered into a 20-year agreement with Orgaworld Canada Ltd. for processing source separated organics made up of both food and yard waste. The agreement included a minimum guarantee obligation for 80,000 tonnes per year at a rate of \$103.77 per tonne (2014 rates). The process utilized is comparable to that proposed for NOW. Discussions with City of Ottawa staff suggest the process works well with very few odour events or associated complaints (e.g. 1 complaint received during the last quarter).

In 2014, an audit was undertaken of the procurement process followed by the City of Ottawa. The key finding was that there were fundamental errors in arriving at the metric leading to the eventual contract. Consequently, the volume of organic waste was overestimated leading to an oversized facility at higher cost to the City. There have been ongoing challenges in resolving contract related issues.

Orgaworld, London Ontario:

In 2005, the Region for York entered into a 10 year agreement with Orgaworld Canada Ltd. for processing residential source separated organics. The facility now processes about 30,000 tonnes per year of organics from St. Thomas, Toronto and York. The facility was specifically designed to process organic waste received in plastic bags. The process utilized is comparable to that proposed for NOW.

The City of London does not have an organic waste program despite Orgaworld and another commercial composting facility operating in their community. City of London staff advise that they have been directed by City Council to review the two organics processing facilities that operate in region and that they will be releasing a report of their findings in April of 2017. As a consequence, they stated that they are not in a position to share information about the facilities in the interim.

Discussion with Ontario Ministry of Environment & Climate Change staff report that Orgaworld, London was levied fines related to odour offences in 2012. The Ministry report they currently have charges before the courts related to odour offences during 2014 at the London facility. The Ministry also reports that in 2016 there were very few odour complaints and suggest that Orgaworld has made recent process and odour control improvements.

Orgaworld, Surrey:

In 2014, following a competitive tendering process, the City of Surrey entered into an agreement with Orgaworld Canada Ltd to design, build, finance, maintain and operate the Surrey Biofuel Processing Facility project. The concept is to process City organic curbside as well as commercial organics to generate a renewable natural gas (RNG) and to produce a compost material. The RNG will be primarily used to fuel the City's curbside waste collection fleet while the compost will be sold to local businesses such as nurseries or green houses.

The \$70 million project is being developed as a public-private partnership and received 25% funding (up to \$16.9 million) from PPP Canada to assist with funding the project. Construction of the facility is nearing completion and is expected to be operational in the spring of 2017. WTT is the principal equipment supplier and fabricator.

#### Solid Waste Management Plan Considerations

The RDN has one of the lowest per capita disposal rates in the world. This success is due, in large part, to the residential and commercial food waste programs that have been introduced through the Solid Waste Management Plan (SWMP).

The SWMP is being revised and the *Draft Stage 2, Evaluation of Options Report* has recently been released for public and stakeholder consultation. The report proposes to adopt a 90% waste diversion target over a 10 year period. Increased waste diversion required to achieve this target will primarily come from the removal of organics from the waste stream and can only be achieved through more aggressive organics diversion programs. There is an estimated 14,000 tonnes/year of compostable organics that currently remains in the commercial/institutional and multifamily waste sectors. Well designed, operated, and financed organics waste processing facilities are necessary to reliably manage the diverted organics.

The RDN currently subsidizes organics transportation and processing by approximately \$420,000/year over and above what is collected through tipping fees. Tipping fees for organic waste have been maintained at a lower rate than refuse (i.e. foodwaste: \$110/tonne; refuse; \$125/tonne) to provide a

monetary incentive for diversion over disposal. At this level of subsidy, the RDN and partners, currently generate 15,000 tonnes of material per year. The Joint Venture proposal is for a 15,000 tonne per year guarantee with reducing service costs as the quantity of organics increases. If the organics quantities increase, as proposed by the Solid Waste Management Plan, service costs for organics processing will reduce and the level of subsidy should reduce commensurately. A caveat to this statement is the continued participation of municipalities. The City of Nanaimo for example makes up more than half of the organic food waste attributed to the RDN's contract guarantee. It would be prudent to secure an ongoing commitment with municipal partners for inclusion of their organic waste in guaranteed amounts for any future organics processing contract.

### Funding Potential

Discussion with PPP Canada staff indicate that this project is below the \$50 million threshold, and would not be an eligible program for funding. Furthermore, PPP Canada is not entertaining applications at the current time.

An initial inquiry with Federation of Canadian Municipalities suggests that there is a possibility of funding through the Green Municipal Fund (GMF). The GMF is available to local government and their "partners" to which this project could qualify. The GMF offers competitive funding through a loan/grant combination of 15% grant and up to a \$5 million loan. Although the Joint Venture has the finances for the proposed upgrades, funding through the GMF has the potential to lower the RDN's service cost as a result of a lower borrowing rate and/or contribution of a grant.

### Discussion

Robust and reliable organics processing is essential for the RDN to meet our waste diversion commitments and goals. Essentially there are two established methods for beneficially using organics: 1) the production of compost; or, 2) thermal processing to extract energy from the carbon source.

Through the SWMP review, thermal processing of waste has not been supported nor is there adequate material within the RDN to justify the capital expense of such a facility. Therefore, it is reasonable to foresee the ongoing and increasing demand for organics composting for RDN generated organics. Future processing of the material could continue locally or be exported to another jurisdiction.

Yard and garden waste is likely to continue to be processed locally as there are a number of options for utilization which include both composting or production of hog fuel. NOWs rates for processing yard and garden waste are within the typical range for the area. NOW is the only local solution for processing food waste. If food waste was to be exported, CRD's contract costs of \$116.22 tonne (2017 rate) for transportation and processing of food waste provide a representative cost of what could be expected in the RDN. However, if there was no local processor, food waste from the City of Nanaimo and the RDN's curbside collection programs would need to be consolidated for translocation. The Church Road Transfer Station (CRTS) does have the capacity to manage the material with additional staff and equipment. The ballpark increased cost for residential collection trucks to be diverted to CRTS and the increased material handling costs at CRTS total in the order of \$15/tonne. In other words, the RDN's net costs for processing food waste at NOW which is a local facility for \$129.47/tonne is roughly equivalent to anticipated "out of region" processing of \$130/tonne (consolidation, transportation and processing).

The experience to date in BC, as well as Ontario, is that large composting operations have commonly had significant challenges, particularly with odour management. In BC, the Ministry of Environment is increasing their oversight of these facilities which should help to mitigate future problems. It is reasonable to expect that as operational controls increase, the cost for processing organic waste will also increase in BC. It is also expected that future facility permitting by the Province of these types of

facilities will also become more challenging. Therefore, any *Request for Proposal* process for replacing the existing contracted service should be initiated at least 2 years in advance of the current contract ending, which is in 2020. It is also expected that a long term service contract would be appropriate to provide adequate revenues for proponents to capitalize infrastructure.

The partners participating in the Joint Venture have demonstrated expertise in the design, financing, construction and operation of similar facilities in Canada. Commercial composting is a relatively new industry, therefore, there is only a small pool of qualified and experienced parties with ability to manage these types of facilities. Should there be interest in pursuing negotiations with the Joint Venture, their organizational and financial structure would need to be confirmed.

The proposal also includes the continued involvement of the current local owners who have demonstrated their diligence and commitment in running the facility since they took it over. NOW has a positive contribution to the local economy (currently having 5 fulltime employees and \$1.2 million annual operating expense).

Pricing the Joint Venture has put forward for illustration purposes is consistent with that of the existing contract. They are also suggesting step down pricing when processing volumes at the facility increase. The SWMP (Draft Stage 2) is targeting significant additional waste reduction, primarily through organics diversion. It is reasonable to expect that the volume of source separated organics will progressively increase in the RDN over the next decade. Continued commitment to the RDN program by our municipal partners will be required to maintain the financial viability of the program.

It is unknown whether the Joint Venture will be pursued by the parties involved should the RDN decline interest in considering a long term contract at this time.

In summary, reasons that favour entering negotiations and the potential outcome of a contract with the Joint Venture are:

- For continued waste diversion success in the RDN, composting capacity is required. Successful negotiations would provide a secure service for the RDN for the long term (e.g. 20 years) eliminating risk of not having a service.
- Suggested pricing is consistent with current rates with reducing costs as the amount of organic material processed increases.
- It provides for an immediate influx of capital in the existing facility improving the process and the resulting product.
- It maintains a local facility and the associated economic benefits.
- Delays may eliminate the opportunity to contact with the Joint Venture.

The reasons against pursuing negotiations with the Joint Venture are:

- It potentially eliminates the opportunity for competition in the procurement of services.
- The proposal is for a significant increase in the guaranteed minimum contribution from the RDN. Although the suggested amount is in line with the RDN's current contribution (inclusive of the City of Nanaimo and NRE volumes), a guarantee for this amount provides some risk.

## ALTERNATIVES

1. Staff to negotiate the terms of a contract for long term (e.g. 20 years) organic waste processing with the Joint Venture for consideration by the Regional Board. Associated costs to pursue this are estimated to be \$50,000 as set out in Table 5.



2. The RDN declines consideration of an amended contract and continues with the existing contract with NOW which expires in 2020. (*Request for Proposal* for replacement service would need to begin in 2018.)
3. Staff determine the cost implications of early termination of the existing contract and, if costs are determined to be acceptable to the Board, initiate a *Request for Proposal* process to solicit all qualified vendors.
4. Alternate direction as directed by the Board.

## FINANCIAL IMPLICATIONS

Under Alternative 1, the financial implications to the RDN would be assessed through negotiation with the Joint Venture participants. Associated costs to undertake this task are estimated to be \$50,000 and can be accommodated within the existing 2017 budget.

Based on the preliminary proposal by the Joint Venture, future service costs for organic waste processing appear to be similar to that of the existing contract.

It is possible that the capital upgrades could be eligible for funding through the Green Municipal Fund which would reduce service costs.

## STRATEGIC PLAN IMPLICATIONS

Giving further consideration to the Joint Venture proposal is consistent with the Strategic Plan in the following areas:

- *Focus on service and organizational excellence: As we invest in regional services we look at both costs and benefits – The RDN will be effective and efficient.* The RDN has achieved world class waste diversion levels substantially as a consequence of the organics diversion program. Consideration of a long term contract ensures reliability of the service and provides for significant capital improvements of the existing facility.
- *Focus on Economic Health: We will foster economic development.* The continuation of a local processing facility provides for local jobs and investment.
- *Focus on the Environment – We will have a strong focus on protection and enhancing our environment; In all decision we will include conservation of resources as a planning factor.* The Solid Waste Management Plan (Draft Stage 2) proposes unprecedented waste diversion targets over the next decade. If significant further waste diversion is to be achieved, organics processing is a fundamental component. Having a reliable and well run facility to process the organic waste is critical to success.



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February 24, 2017

Reviewed by:

- Randy Alexander, General Manager
- P. Carlyle, Chief Administrative Officer



**Table 1: RDN Contract Rates for Organics Processing at NOW**

Year Beginning April 1	Food Waste (per tonne cost)	Yard Waste (per tonne cost)
2014	\$122	\$45
2015	\$124.44	\$45.9
2016	\$126.93	\$46.82
2017	\$129.47	\$47.75
2018	\$132.06	\$48.71
2019	\$134.70	\$49.68
2020	(expires March 31)	(expires March 31)

**Table 2: Organic Waste Shipped to NOW Attributed to the RDN**

Type	Source	2015 (tonnes)	2016 (tonnes)
Food Waste	Residential Curbside – CRTS*	2852	2681
	Residential Curbside – Direct**	304	326
	Residential Curbside – CON***	3380	3433
<b>Sub-Total Food Waste</b>		<b>6536</b>	<b>6440</b>
	Commercial - CRTS	713	647
<b>Total Food Waste</b>		<b>7249</b>	<b>7087</b>
<b>Contract Guarantee Food Waste</b>		<b>4194.4</b>	<b>4194.4</b>
Yard Waste	Regional Landfill	690	741
	CRTS	2009	2023
<b>Sub-Total Yard Waste</b>		<b>2699</b>	<b>2764</b>
	Nanaimo Recycling Exchange****	4671	5070
<b>Total Yard Waste</b>		<b>7360</b>	<b>7834</b>
<b>Contract Guarantee Yard Waste</b>		<b>4408.5</b>	<b>4408.5</b>

\*CRTS – Residential curbside food waste transferred at the Church Road Transfer Station

\*\*Direct – Residential curbside food waste hauled direct to NOW

\*\*\*CON – Residential curbside waste delivered to NOW by the City of Nanaimo

\*\*\*\*RDN pays Nanaimo Recycling Exchange's processing cost and tonnage is applied to RDN guaranteed minimum

**Table 3 Gate Fees for Organics Processing (Vancouver Island/Lower Mainland)**

Facility	Location	Food Waste – Cost as of November 2016	Yard Waste - Costs as of November 2016
Church Road Transfer Station	Parksville	\$110/tonne	\$55/tonne
Nanaimo Landfill	Nanaimo	N/A	\$6 – 100kg \$55 over 100kg
Pacific Coast Waste Management – Milner Group	Nanaimo	N/A	\$70/tonne
Nanaimo Recycling Exchange	Nanaimo	N/A	\$10 - \$15/truck load
DBL Disposal Services Ltd.	Nanaimo	N/A	\$54/tonne
Nanaimo Organic Waste Ltd.	Nanaimo	\$90/tonne	\$45/tonne
DBL Disposal Services Ltd.	Parksville	N/A	\$40/tonne
Comox Valley Regional District	Comox	N/A	\$6 < 100 kg \$65/tonne
Cowichan Valley Regional District	Duncan	5 gallon pail (23L): Free 5 gallon to 55 lbs: \$3 \$85/tonne (commercial quantities)	Free
Coast Environmental	Chemainus	\$95/tonne	\$75/tonne
Fisher Road Recycling	Cobble Hill	\$109/tonne	\$82/tonne (Stumps & landclearing)
Capital Regional District	Victoria	\$120/Tonne (Jan 2017 fee)	\$10 Access fee \$59/Tonne
Alpine Disposal & Recycling	Victoria	\$6 gallon container	\$10 Access fee \$117/tonne
Harvest Power Canada Ltd.	Richmond	\$40/tonne	\$47/tonne
Net Zero Waste	Abbotsford	\$10 min for 110kg, \$85/tonne over 110kg	\$10 min for 200kg \$65/tonne over 200kg

**Table 4: Summary of Compost Processing Rates**

Composting Rates <sup>1</sup>	Yard Waste \$/tonne	Food Waste \$/tonne	Value of Guarantee (2016 rate)	Actual Paid (2016)
NOW – RDN Contract	\$47.75	\$129.47	\$738,801	\$1,249,054
Joint Venture Suggested <sup>2</sup>	\$45.90	\$124.44	\$1,252,500 <sup>3</sup>	
NOW – Commercial Gate Fee	\$45.00	\$90.00		
Vancouver Island	Ave. \$83.50 <sup>4</sup> (\$40.00-\$127.00 <sup>5</sup> )	Ave. \$97.50 (\$75.00-\$120.00)		
Lower Mainland	Ave. \$57.00 (\$47.00-\$67.00)	Ave. \$62.50 (\$40.00 - \$85.00)		
CRD Contract (transportation and processing)	N/A	\$116.22		
Orgaworld Ottawa Contract (2014 rate)	\$103.77	\$103.77		

1. 2017 rates unless otherwise noted.
2. Starting rate proposed for illustration only; increased by 2% to adjust for 2017 rate.
3. Assumes 50% yard and 50% food waste.
4. NRE is not included in the range of costs for Vancouver Island as the RDN covers processing costs for the facility.
5. \$127 includes a \$10 access fee.

**Table 5: Estimated Costs Related to Negotiating a New Organics Processing Contract**

Task	Description	Estimated Cost
Consulting Fees	Financial due diligence; corporate structure	\$20,000
Legal Fees	Contract negotiation and review	\$15,000
Travel	Staff/Select Committee to visit Canadian composting Facilities	\$15,000
<b>Total</b>		<b>\$50,000</b>

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**TO:** Solid Waste Management Select Committee      **MEETING:** March 15, 2017

**FROM:** Ben Routledge  
Zero Waste Coordinator      **FILE:** 5360-01

**SUBJECT:** Charitable and Non-Profit Organizations – Waived Tipping Fees

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**RECOMMENDATION**

That this report be received for information.

**SUMMARY**

The Regional District of Nanaimo (RDN) currently waives landfill tip fees for waste received from a few select charitable organizations operating in the RDN. These are; the Salvation Army – Nanaimo, Society of Organized Services D69 (SOS), Nanaimo Recycling Exchange (NRE), and Gabriola Island Recycling Organization (GIRO).

RDN staff frequently receive requests for waived fees from other charities and Non-Profit Organizations (NPOs). Most recently, the Vancouver Island Workability Society (VIWS) presented a request for relief from tipping fees to the SWMSC. At the regular Board meeting of Dec. 6, 2016, by motion, staff were directed to prepare a report outlining potential arrangements for reduced tipping fees for NPOs.

**BACKGROUND**

In 1991, the RDN introduced mandatory garbage and recycling collection, with a one garbage can per week limit, coupled with the introduction of disposal fees at RDN waste management facilities. This contributed to a temporary increase in the deposit of waste materials at the Parksville SOS and the Parksville and Nanaimo Salvation Army thrift stores. Staff agreed to accept small amounts of this waste at RDN facilities at no charge. The original intent was to grant relief from illegal dumping at those locations. These organizations have since made efforts to discourage illegal dumping by limiting after hours material drop-off at their locations and by installing locks and cameras. Over time, the provision of waived fees has extended to all waste sourced through these organizations, as well as their waste collection costs.

On June 8, 2004 the Board passed the following motion:

*That the Board support a policy of granting waste disposal fee relief only for illegal dumping clean-up and to non-profit organizations that incorporate waste reduction as a core function. Other organizations, such as thrift store operations, may not qualify for fee relief pending discussions with thrift operators on proper recycling practices.*

As a consequence of the 2004 Board motion the following organizations have been granted fee relief;

1. Salvation Army (Nanaimo and Parksville)
2. Society of Organized Services D69 (SOS)
3. Nanaimo Recycling Exchange (NRE)
4. Gabriola Island Recycling Organization (GIRO)

The relief covers disposal costs for all waste sourced from each of the organizations, as well as some of the related waste collection costs. All of the organizations are registered charities with the Canada Revenue Agency. There are specific differences between charities and non-profit organizations as presented in Appendix A.

Table 1 below provides the amount of waived fees for the past three years as well as the 2017 projection for \$88,681 in tipping fees and collection costs based on 591.84 tonnes.

*Table 1: Waived Tipping Fees and Tonnage 2013-2016 (RDN Charities)*

Year	Total Tonnes	Salvation Army		SOS D69		NRE		GIRO	
		Tipping Fee	Collection Fee	Tipping Fee	Collection Fee	Tipping Fee	Collection Fee	Tipping Fee	Collection Fee
2013	376.52	\$16,434	\$4500	\$13,579	\$5700	\$14,944	NA	NA	\$4800
2014	437.56	\$17,411	\$4500	\$20,075	\$5700	\$17,104	NA	NA	\$4800
2015	455.84	\$16,997	\$4500	\$22,162	\$5700	\$17,218	NA	NA	\$4800
2016	520.10	\$18,320	\$4500	\$24,907	\$5700	\$22,871	NA	NA	\$4500
Est. 2017	591.84	\$19,785	\$4500	\$27,895	\$5700	\$26,301	NA	NA	\$4500

The current request from VIWS, formerly The Farm at Cedar Woods Society, is to waive tipping fees. This organization, like the SOS and Salvation Army, operates a thrift store in the Parksville area, as well as a farm and a kitchen facility producing goods for resale. VIWS has stated that currently they transport material to the Church Road Transfer Station costing approximately \$2,400 per year in tipping fees. Their current request does not specifically mention the waiving of fees for organic waste from their kitchen and greenhouse. If fees were also waived for this material, the value of their request would be higher. Similarly waste collection costs have not been included in their request

Currently in the RDN, there are over 280 registered charities (Appendix B). These organizations represent local nature groups and trusts, religious organizations, community groups, clubs, provincial and federal charities. These charities can be grouped into three broad categories: 1) those that are essentially fund raising and generate little to no waste (e.g. BC Cancer Society); 2) those that generate waste associated with their service (e.g. church, farm, shelter); 3) those that re-purpose used items for waste diversion or fund raising (e.g. NRE, SOS). Staff estimate that there are 15 charities operating in

the RDN that fall into the 3rd category of repurposing used items that currently do not receive waived fees for waste collection/disposal and the amount of waste they might generate is unknown.

Other options could be explored for providing relief of fees to charities or non-profits such as: cost sharing; establishing a fixed-amount fund to disperse to qualifying organizations; or developing a qualifying check list for future applicants. Staff have contacted neighboring Regional Districts and their approach to waived tipping fees can be found below:

#### *Capital Regional District (CRD)*

The CRD provides funding through their Non-Profit Recycling Initiative. Currently they have ten registered organizations that receive reimbursement of their disposal cost. The CRD budgets \$89,000 to be dispersed equally between those ten organizations approved for funding. The organizations must apply prior to the new fiscal year, following a specific application process. Once the allotment is used, any other fees are paid directly by the organization.

#### *Comox Valley Regional District (CVRD)*

The CVRD applies a 50% reduction to tipping fees for NPOs performing fundraising events. In addition the CVRD provides \$4500 yearly, to both The Salvation Army and Habitat for Humanity for disposal. Those organizations are required to submit a written request in advance and a waiver is applied until the funds are drawn down.

#### *Cowichan Valley Regional District*

The Cowichan Valley Regional District does not waive tipping fees for charities or NPOs.

### **POTENTIAL ARRANGEMENTS**

1. Maintain the status quo with no new organizations be granted waived tipping fees.
2. Future applications reviewed individually by the Board.
3. A fixed budget amount (e.g. \$100,000) could be set annually to cover waived fees with the amount distributed among applying registered charities that are involved in the reuse or re-purposing of materials. This option would likely result in greater distribution of funds amongst charities but may reduce the amounts that are currently received by funded charities.
4. Registered charities that are involved in the reuse or re-purposing of materials would receive a cost share for waste disposal and/or collection (e.g. RDN covers 50% of the cost). Such a system provides an incentive for the charities to screen donated materials and discourage waste generation. If such a program was to be adopted, a gradual phase out of the existing system would lessen the financial consequence to the charities currently receiving assistance.
5. All registered charities involved in the reuse or re-purposing of materials could be granted assistance for disposal and/or waste collection costs.

## FINANCIAL IMPLICATIONS

For 2016, collection costs and waived fees for all charitable organization was over \$80,000. Based on historical trends, this can be expected to grow approximately 10% per year depending on population growth and the operations of the charities. If the current request from VIWS is granted an additional \$2400-\$5000 should be forecast for 2017

Currently there are approximately 24 thrift stores operating from RDN, staff expect that half of these are either NPO's or registered charities. If all charities and non-profit organizations operating a thrift store from the RDN were granted waived tipping fees, staff estimate that the cost will be in the order of \$200,000 per year. If the RDN was to provide a 50% cost share to those charities practicing waste diversion, recycling and/or repurposing (ex. a thrift store), the annual costs are estimated to be \$100,000.

A Board decision to increase the amount of financial support provided to charities would result in a consequential increase in the tax requisition to cover the expense.

## STRATEGIC PLAN IMPLICATIONS

Assisting charities and non-profits is consistent with the Strategic Plan's focus on relationships. The RDN recognizes volunteers as an essential component of service delivery. By waiving disposal fees these organizations are able to apply their financial resources in other areas for greater community benefit.

A core focus of the Strategic Plan is on service and organizational excellence. The RDN commits to look at both the costs and benefits of services to ensure that we will be effective and efficient. The governing principles balance the immediate and practical matters of fiscal restraint and the need to be fair and equitable. The preparation of this report on alternative arrangements for waiving fees is consistent with these objectives, and serves to review the current distribution and benefit of allocated funds.



Ben Routledge  
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March 8, 2017

### Reviewed by:

- L. Gardner, Manager, Solid Waste Services
- R. Alexander, General Manager, Regional & Community Utilities
- P. Carlyle, Chief Administrative Officer

### Attachments

1. Appendix A: Charities and Non Profit Organizations
2. Appendix B: List of Charitable Organizations in the Regional District of Nanaimo

## Appendix A

## Registered Charity vs. Non-Profit Organization

Registered charities are often referred to as non-profit organizations (NPOs). However, while both types of organizations operate on a non-profit basis, the two types are defined differently under the *Income Tax Act*.

Topics	Registered Charity	NPO
Purposes	<p>Must be established and operate exclusively for charitable purposes</p> <ul style="list-style-type: none"> <li>• relief of poverty</li> <li>• advancement of education</li> <li>• advancement of religion</li> <li>• purposes beneficial to the community</li> </ul>	<ul style="list-style-type: none"> <li>• Can operate for social welfare, civic improvement, pleasure, sport, recreation, or any other purpose except profit.</li> <li>• Cannot operate exclusively for charitable purposes.</li> </ul>
Registration	Must apply to the Canada Revenue Agency (CRA) and be approved for registration as a charity.	No registration process for income tax purposes.
Charitable Registration Number	Is issued a charitable registration number upon approval by the CRA	Is not issued a charitable registration number.
Tax Receipts	Can issue official donation receipts for income tax purposes.	Cannot issue official donation receipts for income tax purposes.
Spending Requirement (Disbursement Quota)	Must spend a minimum amount on its own charitable activities or as gifts to qualified donees.	Not applicable
Designation	Is designated by the CRA as a charitable organization, a public foundation or a private foundation.	Does not receive a designation.
Returns	Must file annual information return (Form T3010) within six months of its fiscal period end.	May have to file a T2 return (if incorporated), and/or an information return (Form T1044) within six months of its fiscal period end.
Personal Benefits to Members	Cannot use its income to personally benefit its members.	Cannot use its income to personally benefit its members.
Tax Exempt Status	Is exempt from paying income tax.	<ul style="list-style-type: none"> <li>• Is generally exempt from paying income tax.</li> <li>• May be taxable on property income or on capital gains.</li> </ul>

Adapted from CRA website: [www.cra-arc.gc.ca/char-ong/char-pp/ing-eg/tra-ght-eng.html](http://www.cra-arc.gc.ca/char-ong/char-pp/ing-eg/tra-ght-eng.html)

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Production of this fact sheet has been made possible by a financial contribution from the Canada Revenue Agency.



## Registered Charities (RDN)

*Assumptions applied in grouping Charities and list may not be entirely accurate.*

### 1) Fundraise (Generate little to no waste)

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• A CAPPELLA PLUS CHORAL SOCIETY</li> <li>• B.C. SCHIZOPHRENIA SOCIETY (NANAIMO BRANCH)</li> <li>• BOYS AND GIRLS CLUBS OF CENTRAL VANCOUVER ISLAND</li> <li>• BRITISH COLUMBIA (BC) CHIHUAHUA RESCUE</li> <li>• BRITISH COLUMBIA BOYS CHOIR</li> <li>• COAST EMERGENCY COMMUNICATIONS ASSOCIATION</li> <li>• CAMERATA SINGERS</li> <li>• CANADIAN MENTAL HEALTH ASSOCIATION</li> <li>• HABITAT FOR HUMANITY MID-VANCOUVER ISLAND SOCIETY</li> <li>• HAVEN SOCIETY: PROMOTING THE SAFETY OF WOMEN, CHILDREN, YOUTH AND FAMILIES</li> <li>• VANCOUVER ISLAND OPERA</li> <li>• CITIZENS ON PATROL SOCIETY, DISTRICT 69</li> <li>• COMMUNITY POLICING OFFICES OF DISTRICT 69</li> <li>• PARKSVILLE - QUALICUM COMMUNITY FOUNDATION</li> </ul> | <ul style="list-style-type: none"> <li>• ISLANDLINK LIBRARY FEDERATION</li> <li>• LOAVES AND FISHES FOOD BANK FOUNDATION</li> <li>• MID-ISLAND AIR SEARCH AND RESCUE SOCIETY</li> <li>• MALASPINA CHOIR SOCIETY</li> <li>• NANAIMO &amp; AREA LAND TRUST SOCIETY</li> <li>• NANAIMO CHILD DEVELOPMENT CENTRE SOCIETY</li> <li>• NANAIMO CHRISTIAN SCHOOL (1988) SOCIETY</li> <li>• NANAIMO CONCERT BAND SOCIETY</li> <li>• NANAIMO CONSERVATORY OF MUSIC</li> <li>• NANAIMO FASD SOCIETY</li> <li>• NANAIMO LITERACY ASSOCIATION</li> <li>• NANAIMO MARINE RESCUE SOCIETY</li> <li>• THE ISLAND BEL CANTO SINGERS SOCIETY</li> <li>• AFFORDABLE HOUSING: VANCOUVER ISLAND SOCIETY</li> <li>• DOGWOOD RESCUE SOCIETY</li> <li>• MILNER GARDENS AND WOODLAND SOCIETY</li> <li>• PARKSVILLE &amp; DISTRICT MUSICAL ASSOCIATION</li> </ul> |
|---|--|

### 2) Generate Waste Associated with Service (Farm/Shelter/Religious)

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• ABUNDANT KINGDOM LIVING ASSOCIATION</li> <li>• BASIC CHRISTIAN COMMUNITY ASSOCIATION</li> <li>• BEES FOR BABAR SOCIETY</li> <li>• BRECHIN UNITED CHURCH</li> <li>• BRIDGES HOME CHURCH CHRISTIAN COMMUNITY OF CENTRAL VANCOUVER ISLAND</li> <li>• BRITISH COLUMBIA CIRCUIT 1-C OF JEHOVAH'S WITNESSES</li> <li>• BRITISH COLUMBIA CIRCUIT 2-A OF JEHOVAH'S WITNESSES</li> <li>• CHASE RIVER CONGREGATION OF JEHOVAH'S WITNESSES</li> <li>• CHRIST COMMUNITY CHURCH OF THE CHRISTIAN REFORMED CHURCH OF NANAIMO</li> <li>• CHRISTIAN SCIENCE SOCIETY NANAIMO BC</li> <li>• CHURCH OF THE NAZARENE</li> <li>• DEPARTURE BAY BAPTIST CHURCH</li> <li>• DEPARTURE BAY CONGREGATION OF JEHOVAH'S WITNESSES</li> </ul> | <ul style="list-style-type: none"> <li>• MID ISLAND ABILITIES AND INDEPENDENT LIVING SOCIETY</li> <li>• MARANATHA FOURSQUARE GOSPEL CHURCH</li> <li>• NANAIMO (COMPASS) FOURSQUARE GOSPEL CHURCH</li> <li>• NANAIMO FULL GOSPEL ASSEMBLY</li> <li>• NEW HORIZONS CHRISTIAN CHURCH</li> <li>• NANAIMO CHURCH OF CHRIST</li> <li>• NANAIMO ECUMENICAL CENTRE SOCIETY</li> <li>• NANAIMO FIRST KOREAN CHURCH</li> <li>• NANAIMO KOREAN PRESBYTERIAN CHURCH</li> <li>• NANAIMO LIGHTHOUSE MINISTRIES</li> <li>• NANAIMO NATIVE VICTORY CHAPEL</li> <li>• NEIGHBOURHOOD CHURCH</li> <li>• OCEANSIDE CHRISTIAN MINISTRIES</li> <li>• PARISH OF ST. PAUL'S</li> <li>• PLEASANT VALLEY CONGREGATION OF JEHOVAH'S WITNESSES</li> <li>• ST MICHAEL THE ARCHANGEL UKRAINIAN CATHOLIC CHURCH</li> </ul> |
| <ul style="list-style-type: none"> <li>• EAGLE MOUNTAIN CHURCH</li> </ul>   | <ul style="list-style-type: none"> <li>• ST PAUL'S LUTHERAN CHURCH</li> </ul>   |

- FIRST BAPTIST CHURCH
- FIRST UNITARIAN FELLOWSHIP OF NANAIMO
- GENERATIONS CHURCH
- GENESIS CHRISTIAN CENTRE
- GURDWARA SAHIB MIRI PIRI DARBAR SIKH TEMPLE
- HAMMOND BAY CONGREGATION OF JEHOVAH'S WITNESSES
- HAMMOND BAY BAPTIST CHURCH
- HARBOUR CONGREGATION OF JEHOVAH'S WITNESSES
- HAREWOOD COMMUNITY CHURCH
- HOPE LUTHERAN CHURCH
- LIGHTHOUSE BIBLE BAPTIST CHURCH OF NANAIMO
- WOODGROVE CONGREGATION OF JEHOVAH'S WITNESSES
- WAKESIAH GOSPEL CHAPEL
- BRITISH COLUMBIA CIRCUIT 2-C OF JEHOVAH'S WITNESSES
- FIRST OCEANSIDE APOSTOLIC CHURCH
- LITTLE MOUNTAIN CONGREGATION OF JEHOVAH'S WITNESSES
- PARKSVILLE FELLOWSHIP BAPTIST CHURCH
- PARKSVILLE PASTORAL CHARGE
- THE ANGLICAN PARISH OF PARKSVILLE B.C.
- UKRAINIAN ORTHODOX PARISH OF ST.MARY THE PROTECTRESS
- CHRISTIAN FELLOWSHIP CENTRE (QUALICUM BEACH CHURCH
- QUALICUM COMMUNITY BAPTIST CHURCH
- SHORELINE CONGREGATION OF JEHOVAH'S WITNESSES
- THE SPIRITUAL ASSEMBLY OF THE BAHA'IS OF QUALICUM BEACH

- ST PETER'S CHURCH
- ST. ANDREW'S PRESBYTERIAN CHURCH
- ST. PHILIPS ANGLICAN CHURCH
- THE DOOR CHURCH
- THE JUDEO-CHRISTIAN FOUNDATION
- THE REDEEMED CHRISTIAN CHURCH OF GOD - LIVING PRAISE CHAPEL
- THE BENEDICTINES OF NANAIMO (HOUSE OF BREAD MONASTERY)
- THE LIGHT OF CHRIST CHURCH
- THE SPIRITUAL ASSEMBLY OF THE BAHA'IS OF NANAIMO
- THE WORLD OF PENTECOST CHURCH
- THE WORLD OF PENTECOST CHURCH
- TRINITY CATHOLIC CHURCH
- TRINITY UNITED CHURCH PASTORAL CHARGE
- UNITY CHURCH OF NANAIMO
- ST. PHILIP'S BY-THE-SEA ANGLICAN CHURCH
- WOODGROVE CHRISTIAN COMMUNITY
- ARBUTUS GROVE CHURCH
- CHURCH OF THE ASCENSION
- FABIANO OF CHRIST BENEVOLENT SOCIETY
- LIVING HOPE COMMUNITY CHURCH
- OCEANSIDE COMMUNITY CHURCH
- OUR SAVIOR LUTHERAN CHURCH
- SHUGUY MINISTRIES
- ST. COLUMBA PRESBYTERIAN CHURCH
- THE SPIRITUAL ASSEMBLY OF THE BAHA'IS OF PARKSVILLE
- BRITISH COLUMBIA CIRCUIT 1-B OF JEHOVAH'S WITNESSES
- MOUNT ARROWSMITH CONGREGATION OF JEHOVAH'S WITNESSES
- ST. STEPHEN'S UNITED CHURCH
- ST. MARK'S CHURCH
- THE PRESBYTERY OF VANCOUVER ISLAND OF THE PRESBYTERIAN CHURCH IN CANADA

**3) Repurpose/Waste Diversion/Fund Raise**

- CEDAR COMMUNITY ASSOCIATION (VIWS)
- NANAIMO & DISTRICT HOSPITAL FOUNDATION
- NANAIMO ASSOCIATION FOR COMMUNITY LIVING
- NANAIMO AUXILIARY TO NANAIMO REGIONAL GENERAL HOSPITAL
- NANAIMO COMMUNITY HOSPICE SOCIETY
- NANAIMO FOODSHARE SOCIETY

- UNITED WAY CENTRAL AND NORTHERN VANCOUVER ISLAND
- DISTRICT 69 SOCIETY OF ORGANIZED SERVICES
- OCEANSIDE HOSPICE SOCIETY
- THE SALVATION ARMY NANAIMO COMMUNITY CHURCH
- NANAIMO RECYCLING EXCHANGE SOCIETY
- NANAIMO 7-10 CLUB SOCIETY

### Inadequate Information to Categorize

- ANDREAS BAUR FOUNDATION
- CALVARY FELLOWSHIP NANAIMO
- CAPTIONING THE WORD
- CATNAP-(CATS NEEDING AID AND PROTECTION) SOCIETY
- CEDAR SCHOOL AND COMMUNITY ENHANCEMENT SOCIETY
- CLAY TREE SOCIETY FOR PEOPLE WITH DEVELOPMENTAL DISABILITIES
- CRIMSON COAST DANCE SOCIETY
- CRISIS PREGNANCY CENTRE OF NANAIMO SOCIETY
- ECODESIGN RESOURCE SOCIETY
- ISLAND CRISIS CARE SOCIETY
- EDGEWOOD FOUNDATION
- FRIENDS OF THE MORDEN MINE
- GEORGIA BASIN ECOLOGICAL ASSESSMENT AND RESTORATION SOCIETY
- GEORGIA STRAIT ALLIANCE
- GLOBAL FOCUS INTERNATIONAL ASSOCIATION
- ISLAND CORRIDOR FOUNDATION
- KIDS INTERNATIONAL DEVELOPMENT SOCIETY
- LEDAFRICA CHARITABLE SOCIETY
- MOUNT MERU EDUCATION SOCIETY OF CANADA
- MALASPINA CHILD DEVELOPMENT SOCIETY
- MARMOT RECOVERY FOUNDATION
- MORRELL SANCTUARY SOCIETY FOR ENVIRONMENTAL EDUCATION
- MOUNT BENSON SENIOR CITIZENS HOUSING SOCIETY
- NANAIMO CHINA FELLOWSHIP
- NANAIMO DISABILITY RESOURCE CENTRE SOCIETY
- NANAIMO HARBOUR CITY SENIORS SOCIETY
- NANAIMO HEALING ROOMS SOCIETY
- NANAIMO MILITARY MUSIC FESTIVAL SOCIETY
- NANAIMO PROFESSIONAL FIREFIGHTERS' CHARITABLE SOCIETY
- NANAIMO SCIENCE AND SUSTAINABILITY SOCIETY
- NANAIMO & DISTRICT CRIME STOPPERS ASSOCIATION
- NANAIMO ADDICTION FOUNDATION
- NANAIMO AFFORDABLE HOUSING SOCIETY
- NANAIMO ART GALLERY SOCIETY
- NANAIMO BRAIN INJURY SOCIETY
- NANAIMO CHINESE ALLIANCE CHURCH
- NANAIMO COMMUNITY KITCHENS SOCIETY
- NANAIMO F O S NON-PROFIT HOUSING
- NANAIMO DISTRICT SENIOR CITIZENS HOUSING DEVELOPMENT SOCIETY
- NANAIMO FAMILY HISTORY SOCIETY
- NANAIMO FAMILY LIFE ASSOCIATION
- NANAIMO HARBOUR WATCH SOCIETY
- NANAIMO HINDU CULTURAL SOCIETY
- NANAIMO LIONS HOUSING SOCIETY
- NANAIMO MEALS ON WHEELS SOCIETY
- NANAIMO MEN'S RESOURCE CENTRE
- NANAIMO PARENT PARTICIPATION PRESCHOOL ASSOCIATION
- NANAIMO REGION JOHN HOWARD SOCIETY
- NANAIMO SEARCH AND RESCUE SOCIETY
- NANAIMO THEATRE GROUP
- NANAIMO TRAVELLERS LODGE SOCIETY
- NANAIMO VOLUNTEER AND INFORMATION CENTRE SOCIETY
- NANAIMO-LADYSMITH SCHOOLS FOUNDATION
- NEW LIFE ASSEMBLY SOCIETY
- OPEN MINDS OPEN WINDOWS
- PROVINCIAL C G I T BOARD OF BRITISH COLUMBIA
- PUEBLO PARTISANS SOCIETY
- PURSUIT OF EXCELLENCE TRAINING SOCIETY
- ROYAL ARCH CHARITABLE FOUNDATION
- RM SOCIETY-SUPPORTING GRIEVING YOUTH THROUGH RAINBOWS
- ROTARY CLUB OF NANAIMO CHARITABLE SOCIETY
- RUTHERFORD ELEMENTARY SCHOOL PARENT ADVISORY COUNCIL SOCIETY
- SEEDS OF PROMISE INTERNATIONAL CHILD WELFARE
- SHARE A SMILE SOCIETY
- SSFPA FOUNDATION
- SUSTAINABLE FISHERIES FOUNDATION
- THE BOARD OF EDUCATION OF SCHOOL DISTRICT NO. 68
- THE HIGH SCHOOL AT VANCOUVER ISLAND UNIVERSITY ASSOCIATION
- THE INTERNATIONAL HIGH SCHOOL AT VANCOUVER ISLAND UNIVERSITY ASSOCIATION
- THE AIR CADET LEAGUE OF CANADA, 205 COLLISHAW SPONSORING COMMITTEE
- THE CANADIAN CAVE CONSERVANCY
- THE MCGIRR SPORTS SOCIETY

- NANAIMO CITIZEN ADVOCACY ASSOCIATION
- NANAIMO COMMUNITY FOUNDATION
- NANAIMO COMMUNITY GARDENS SOCIETY
- THE PORT THEATRE SOCIETY
- THE RECREATION FOUNDATION OF BRITISH COLUMBIA
- THE RIX FAMILY FOUNDATION
- TILLICUM LELUM ABORIGINAL SOCIETY
- TOZAN CULTURAL SOCIETY
- UNKNOWN ANGEL SOCIETY REGISTERED
- UCLUELET AQUARIUM SOCIETY
- UNITARIAN FOUNDATION OF NANAIMO
- UPPER ISLAND MUSICAL FESTIVAL ASSOCIATION
- VANCOUVER ISLAND DANCE SOCIETY OF BRITISH COLUMBIA
- VANCOUVER ISLAND INTEGRATED COUNSELLING AND COMMUNITY SERVICES SOCIETY
- VANCOUVER ISLAND MENTAL HEALTH SOCIETY
- VANCOUVER ISLAND SYMPHONY FOUNDATION
- CANADIAN FEDERATION OF UNIVERSITY WOMEN – NANAIMO
- CENTRAL ISLAND INDEPENDENT SCHOOL SOCIETY
- CENTRAL VANCOUVER ISLAND DRAGON BOAT SOCIETY
- Q'OPHTHUT SUL'HWEEN (GATHERING OF ELDERLY) SOCIETY
- ROTARY CLUB OF LANTZVILLE SOCIETY
- B.C. MISSION BOAT
- CEDARS AT COBBLE HILL SOCIETY
- CITY OF GARDENS CHORUS OF SWEET ADELINES INTERNATIONAL SOCIETY
- ERRINGTON THERAPEUTIC RIDING ASSOCIATION
- FRIENDS OF FOSTER PARK
- JERUSALEM VISTAS CANADA SOCIETY
- LIFERING SECULAR RECOVERY SOCIETY CANADA
- MAUREEN AND GEORGE KERMACK FOUNDATION TRUST
- MID-VANCOUVER ISLAND HABITAT ENHANCEMENT SOCIETY
- PARKSVILLE LIONS HOUSING SOCIETY
- PARKSVILLE & DISTRICT HISTORICAL SOCIETY
- PARKSVILLE SENIOR'S ACTIVITY AND DROP-IN CENTRE SOCIETY

- THE GREAT NANAIMO TOY DRIVE
- THE NANAIMO & DISTRICT MUSEUM SOCIETY
- THE NANAIMO ARTS COUNCIL
- THE NANAIMO CHINESE CULTURAL SOCIETY
- THE NANAIMO FESTIVAL HERITAGE/THEATRE SOCIETY
- THE NANAIMO UNIQUE KIDS ORGANIZATION
- THE NANAIMO WOMEN'S RESOURCES SOCIETY
- THE PACIFIC INSTITUTE OF BAGPIPING AND CELTIC MUSIC SOCIETY
- VANCOUVER ISLAND UNIVERSITY
- VANCOUVER ISLAND CRISIS SOCIETY
- VANCOUVER ISLAND KHALSA DIWAN SOCIETY
- VANCOUVER ISLAND MILITARY MUSEUM
- VANCOUVER ISLAND REGIONAL LIBRARY
- VANCOUVER ISLAND SYMPHONY
- VANCOUVER ISLAND UNIVERSITY FOUNDATION
- VILLAGE MEDICAL PROJECT FOR SIERRA LEONE
- WESTERN PURPLE MARTIN FOUNDATION
- WOODGROVE SENIOR CITIZENS HOUSING SOCIETY
- THE LANTZVILLE HISTORICAL SOCIETY
- TSO-W-TUN LE LUM SOCIETY
- ARROWSMITH COMMUNITY JUSTICE SOCIETY
- ARROWSMITH REST HOME FOUNDATION SOCIETY
- ARROWSMITH REST HOME SOCIETY
- CENTRAL VANCOUVER ISLAND JOB OPPORTUNITIES BUILDING SOCIETY
- DISTRICT 69 FAMILY RESOURCE ASSOCIATION
- FIRST FRUITS FOUNDATION INC
- FORWARD HOUSE COMMUNITY SOCIETY
- LIGHTS OUT CANADA EDUCATIONAL PROGRAM INCORPORATED
- NANAIMO DRAGON BOAT SOCIETY
- OCEANSIDE BUILDING LEARNING TOGETHER SOCIETY
- OCEANSIDE COMMUNITY ARTS COUNCIL
- PARKSVILLE COMMUNITY CENTRE SOCIETY
- ROTARY CLUB OF QUALICUM BEACH SUNRISE SOCIETY
- THE BOARD OF EDUCATION OF SCHOOL DISTRICT NO. 69 (QUALICUM)
- THE PARKSVILLE AND DISTRICT ASSOCIATION FOR COMMUNITY LIVING
- THE WOMEN'S MISSIONARY SOCIETY (W.D.) THE JOY MAHOOD GROUP
- WHITECROW VILLAGE F.A.S.D. SOCIETY
- ALDEA MAYA ASSISTANCE FOR MAYAN FAMILIES SOCIETY

- PIETER DE REUVER FOUNDATION
- SUNRISE PRE-SCHOOL ASSOCIATION
- THE NAVY LEAGUE OF CANADA - OCEANSIDE BRANCH
- TWO WORLDS CANCER COLLABORATION FOUNDATION
- THE ROTARY CLUB OF PARKSVILLE COMMUNITY FOUNDATION
- TRILLIUM LODGE AUXILIARY SOCIETY
- WOODWINDS COMMUNITY SUPPORT SOCIETY
- BARD TO BROADWAY THEATRE SOCIETY
- CANADIAN FEDERATION OF UNIVERSITY WOMEN-PARKSVILLE/QUALICUM
- FRIENDS OF FRENCH CREEK CONSERVATION SOCIETY
- K.S.S. FINE ARTS SOCIETY
- LIGHTHOUSE COMMUNITY CENTRE SOCIETY
- NORTH COAST CETACEAN SOCIETY
- OCEANSIDE STROKE RECOVERY SOCIETY
- ONE FIVE ONE OUTREACH ASSOCIATION
- QUALICUM BEACH FAMILY HISTORY SOCIETY
- QUALICUM - PARKSVILLE KIWANIS HOUSING SOCIETY
- QUALICUM BEACH HONOURS SOCIETY
- QUALICUM BEACH STREAMKEEPERS SOCIETY
- THE KATHOK GONPA DRUB DEY OD SEL LING SOCIETY
- THE OLD SCHOOL HOUSE ARTS CENTRE
- VANCOUVER ISLAND COMPASSION DOGS SOCIETY

- ARROWSMITH INDEPENDENT SCHOOL SOCIETY
- ARROWSMITH SEARCH AND RESCUE SOCIETY
- CAMP UGANDA CONSERVATION EDUCATION SOCIETY
- E.C.H.O. PLAYERS
- EAGLE PARK HEALTH CARE AUXILIARY
- JO ANN WHITE MEMORIAL FOUNDATION
- KATHOK GONPA THEKCHEN CHO LING SOCIETY
- MOUNT ARROWSMITH PIPE BAND ASSOCIATION
- OCEANSIDE VOLUNTEER ASSOCIATION
- PACIFIC ORCA SOCIETY
- POCO A POCO SERVICE SOCIETY
- QUALICUM BAY LOW RENTAL HOUSING SOCIETY
- QUALICUM BEACH HISTORICAL AND MUSEUM SOCIETY
- QUALICUM CAT RESCUE SOCIETY
- THE AIR CADET LEAGUE OF CANADA, 893 BEAUFORT SQUADRON SPONSORING COMMITTEE