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REGIONAL DISTRICT OF BULKLEY-NECHAKO  
WASTE MANAGEMENT COMMITTEE  
(Committee of the Whole)  
**AGENDA**

Thursday, June 6, 2019

PAGE NO.

ACTION

CALL TO ORDER

AGENDA – June 6, 2019

Approve

SUPPLEMENTARY AGENDA

Receive

MINUTES

2-5

Waste Management Committee Meeting  
Minutes – March 7, 2019

Receive

DELEGATION

6-10

LOOP RESOURCES  
Chuck Braun  
RE: Food Reclamation Program

Receive

VERBAL REPORTS

Receive

Chair Fisher

- Support for waste based economic development and processing opportunities, and conversations with other levels of government

Environmental Services Staff

- Knockholt Landfill Update
- Fort St. James Recycling Depot Update
- Burns Lake Recycling Depot Update

SUPPLEMENTARY AGENDA

NEW BUSINESS

ADJOURNMENT

**REGIONAL DISTRICT OF BULKLEY-NECHAKO**

**WASTE MANAGEMENT COMMITTEE MEETING**  
**(Committee Of The Whole)**

**Thursday, March 7, 2019**

**PRESENT:** Chair Mark Fisher

Directors Shane Brienen  
Dolores Funk  
Tom Greenaway  
Clint Lambert  
Brad Layton  
Linda McGuire  
Rob Newell  
Mark Parker  
Bev Playfair  
Jerry Petersen  
Kim Watt-Senner  
Gerry Thiessen

Directors Absent Taylor Bachrach, Town of Smithers  
Michael Riis-Christianson, Electoral Area "B" (Burns Lake Rural)

Alternate Director Doug Bysouth, Electoral Area "B" (Burns Lake Rural)

Staff Melany de Weerd, Chief Administrative Officer  
Cheryl Anderson, Manager of Administrative Services  
Janette Derksen, Deputy Director of Environmental Services  
Debbie Evans, Agriculture Coordinator – left at 11:45 a.m., returned at 11:55 a.m., left at 12:04 p.m., returned at 12:43 p.m.  
John Illes, Chief Financial Officer  
Jason Llewellyn, Director of Planning and Protective Services – left at 11:45 a.m.  
Rory McKenzie, Director of Environmental Services – left at 11:45 a.m., returned at 11:48 a.m.  
Maria Sandberg, Planner – arrived at 11:41 a.m., left at 11:45 a.m.  
Deneve Vanderwolf, Planning Technician/Regional Transit Coordinator – arrived at 12:32 p.m.  
Wendy Wainwright, Executive Assistant  
Elaine Wiebe, Environmental Services Assistant – left at 12:00 p.m.

Others Linda Harmon, Transit Crown Agency Programs, Ministry of Transportation and Infrastructure – arrived at 12:32 p.m.  
Rob Ringma, Manager, Government Relations, BC Transit – arrived at 12:32 p.m.

Media Blair McBride, Lakes District News

**CALL TO ORDER** Chair Fisher called the meeting to order at 11:29 a.m.

**AGENDA**

Moved by Director Petersen  
Seconded by Director Watt-Senner

WMC.2019-2-1

"That the Waste Management Committee receive the March 7, 2019 Agenda."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

**MINUTES**

Waste Management  
Committee Meeting Minutes  
-January 3, 2019

Moved by Director Lambert  
Seconded by Director Parker

WMC.2019-2-2

"That the Minutes of the Waste Management Committee for January 3, 2019 be received."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

**RECYCLING DEMONSTRATION**

Janette Derksen, Deputy Director of Environmental Services and Elaine Wiebe, Environmental Services Assistant provided an interactive Recycling Demonstration.

Director Layton spoke of the Village of Telkwa contacting Recycle BC to provide education within the community and they indicated they could provide brochures. He brought forward utilizing RDBN staff to provide education to communities. Rory McKenzie, Director of Environmental Services noted that the potential future consideration of hiring a Waste Diversion Coordinator could address in assisting and providing recycling education throughout the region.

**REPORTS**

Major Appliance Recycling  
Roundtable (MARR)  
-Compensation of Program  
Products

Moved by Director Thiessen  
Seconded by Director Lambert

WMC.2019-2-3

1. "That the Waste Management Committee receive the Deputy Director of Environmental Services' February 26, 2019 memo titled "Major Appliance Recycling Roundtable (MARR) – Compensation of Program Products;"
2. That the Waste Management Committee recommend that the Regional District of Bulkley-Nechako Board of Directors approve staff to negotiate a fair agreement with the Major Appliance Recycling Roundtable (MARR) Stewardship agency for compensation for management of their program products listed as major appliances and to bring the agreement back for Board approval after negotiation.
3. Further, that the Waste Management Committee recommend that the Regional District of Bulkley-Nechako Board of Directors authorize staff to amend Bylaw #1764 User Fee Schedule to remove the fee for Ozone Depleting Substances appliances for the program products under the MARR program."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

**REPORTS (CONT'D)**

Construct and Operate a Recycle BC Depot at the Ft. St. James Transfer Station Moved by Director Greenaway  
Seconded by Director Playfair

WMC.2019-2-4

1. "That the Waste Management Committee receive the Director of Environmental Services' February 25, 2019 memo titled "Construct and Operate a Recycle BC Depot at the Ft. St. James Transfer Station;"
2. That the Waste Management Committee recommend that the Regional District of Bulkley-Nechako Board of Directors approve staff to enter into a contract with Recycle BC to operate a Recycle BC Depot at the Ft. St. James Transfer Station; and further, Regional District of Bulkley-Nechako build and operate a Recycle Depot at the Ft. St. James Transfer Station with funding for construction coming from Federal Gas Tax money to a maximum of \$150,000 if alternate funding is not available."

(All/Directors/Majority) CARRIED UNANIMOUSLY

**Break for lunch at 12:04 p.m.**  
**Reconvened at 12:32 p.m.**

Construct and Operate a Recycle BC Depot at the Old Houston Landfill Site Moved by Director Newell  
Seconded by Director Brien

WMC.2019-2-5

1. "That the Waste Management Committee receive the Director of Environmental Services' February 25, 2019 memo titled "Construct and Operate a Recycle BC Depot at the Old Houston Landfill Site."
2. That the Waste Management Committee recommend that the Regional District of Bulkley-Nechako Board of Directors approve staff to enter into a contract with Recycle BC to operate a Recycle BC Depot at the old Houston Landfill site; and further, that the Regional District of Bulkley-Nechako build and operate a Recycle depot at the Houston Landfill site with funding for construction coming from Federal Gas Tax money to a maximum of \$95,000 if alternate funding is not available "

(All/Directors/Majority) CARRIED UNANIMOUSLY

Construct and Operate a Waste Transfer Station at the Old Houston Landfill Site Moved by Director Newell  
Seconded by Director Brien

WMC.2019-2-6

1. "That the Waste Management Committee receive the Director of Environmental Services' February 25, 2019 memo titled "Construct and Operate a Waste Transfer Station at the Old Houston Landfill Site."
2. That the Waste Management Committee recommend that the Regional District of Bulkley-Nechako Board of Directors approve staff to build and operate a Waste Transfer Station at the old Houston Landfill site."

(All/Directors/Majority) CARRIED UNANIMOUSLY

## VERBAL REPORTS

### Agriculture Plastic Update - Chair Fisher

- Clean Farms/Cattlemen Conference Call
  - Clean farms not as experienced with BC systems
  - EPR (Extended Producer Responsibility) program was discussed but not preferable route
  - EPR Program would be the best solution
  
- Follow Up – MOE Conference Call and Next Steps
  - Sent email to Ministry of Environment
  - Ministry of Environment currently reviewing products moving towards EPR programs
    - Advocacy is needed in regard to agriculture plastics being included in an EPR Program
  - Director Parker has agreed to research the volume of agriculture plastic in the region
  - Janette Derksen, Deputy Director of Environmental Services mentioned MOE has offered potential funding options to offer program within the region
  - Beneficial for the RDBN to provide an outline of a program/solution for MoE consideration.

## CORRESPONDENCE

Letter to Nathan Cullen re:  
 Zero Waste Packaging Act

Moved by Director Layton  
 Seconded by Director Petersen

WMC.2019-2-7

"That the Waste Management Committee recommend that the Regional District of Bulkley-Nechako Board of Directors approve sending the Letter to Nathan Cullen re: Zero Waste Packaging Act."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

Correspondence

Moved by Director Brien  
 Seconded by Director Layton

WMC.2019-2-8

"That the Waste Management Committee receive the following correspondence:

-Nathan Cullen, MP – Create Your Canada Winning Entry Bill to Protect Environment Presented in Parliament  
 -Canadian Council of Ministers of the Environment – Strategy on Zero Plastic Waste."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

## ADJOURNMENT

Moved by Director Playfair  
 Seconded by Director McGuire

WMC.2019-2-9

"That the meeting be adjourned at 12:47 p.m."

(All/Directors/Majority)

CARRIED UNANIMOUSLY

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Mark Fisher, Chair

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Wendy Wainwright, Executive Assistant



**Jaime White - New Projects Director**  
 1-250-843-2334 / 1-250-784-1523 cell  
 5371 W Arras Road, Arras BC  
 Box 2411 Dawson Creek BC

## Loop Resource - Food Reclamation Program

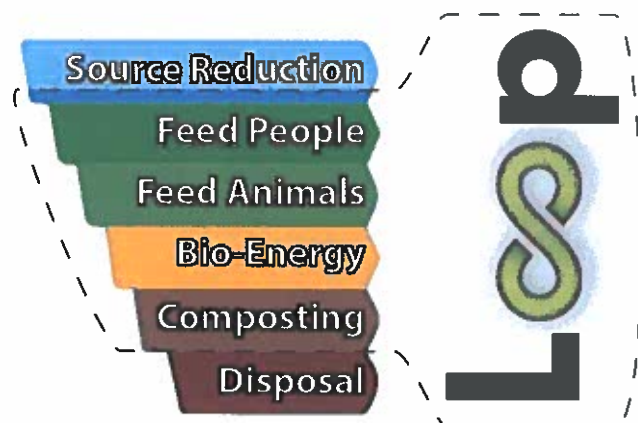
At Loop Resource, we believe that making the right environmental, social, and sustainable choices should not be complicated, full of liability, or unreasonably expensive for any organization. We work diligently to connect wasted resources with new beginnings, closing the loop on organic waste in the food supply industry and returning it as food back to local farms. We have been 100% successful in meeting or beating the current cost of organics disposal in every region, and location that we manage.

Our food reclamation program, which started in 2016, is currently operating in British Columbia, Alberta and Saskatchewan, and with 2019 starts in Manitoba, the Yukon Territories and Ontario. We divert hundreds of thousands of kilograms of food waste weekly from the stores we serve, significantly and effectively reducing the total organic waste heading to landfill. Typically we rescue between 78 to 93% of store produced solid waste destined for the landfill to local outreach organizations, sustainable family-farms, food producers, biofuel producers, and compost. Loop's experience allows us to offer tailor made programs for each region that provide immediate waste reduction, labour and fiscal savings, and complete liability protection.

We work with individual store management, regional operators, and corporate leadership to develop a custom fit, sustainability program for each region, that aims for 100% reclamation and redirection of food, oils, and organic waste, in keeping with the core ethics of food production and food waste management.

The average store we serve produces 200-1000kg of organic waste per day, and is served by daily pick-ups from Loop partners. This waste is immediately diverted to local organizations and farms that meet our selection criteria, resulting in a large reduction of traditional disposal tip frequency, and closing the loop on local food production. We require minimal space in store to accomplish this.

Our focus is on the top five steps of the waste reduction pyramid: source reduction, diverting food to humanitarian organizations (if requested by the store), and our primary functions: diverting waste as feed, fuel and composting material.





## **Closing the Loop - Benefit to Business *and* Community**

### ***Source Reduction***

All our efforts come back to providing actionable source reduction, through our direct impact on the in-store waste, and also through the data and analysis that we provide.

**Shrinkage and distress:** As an outgrowth of our program, most stores realize a 3-11% reduction in overall shrinkage and distressed items after the first three to four months. While we do not currently know the cause of this, it happens consistently and we believe it is due to increased staff awareness and the potential for a second look at items prior to discard. In addition, more senior staff have a window of time to assist junior staff to make better product rotation, shrinkage, and discard decisions.

**Data tracking:** Each pick-up volume is tracked by department, store, and date, and stored in our accessible but secure cloud based spreadsheets. This enables our organization, your store management, and corporate offices to view your relevant data and look for potential deficiencies or anomalies. Data is compartmentalized and sanitized to your specifications so that each organization or store only has access to their pertinent data. We verify the continuity and suitability of the data on an ongoing basis, and take random samplings of load densities to continually improve our data tracking.

If you elect to participate in this facet, data is used as an aggregate benchmark to measure the average of comparable stores in our system with each store on an individual basis. If, for instance, we notice an abnormal volume on a recurring day, or another pattern, we will bring it to the attention of the store management. Or if, as a whole, one department has disposal numbers out of line with comparable stores, we will bring that data to the store so that they can target their reduction strategy with the use of additional outside information.

### ***Feed People***

As a zero food-waste facilitator, we also take your corporate values into account when structuring the system for your stores. It is often complicated to connect with the social programs that exist in community, as the organizations and their requirements differ from region to region. If requested we can act as the liaison from the store to the local food banks, churches, and outreaches.

In that capacity, we take any items which can be used for human consumption and deliver them into the hands of the outreach workers within hours. For the outreach organization, we in turn provide waste disposal of unused food items, reducing the overhead of a typically non-profit organization. Food not suitable or acceptable to the organizations goes to the next suitable rung of the reclamation system. We liaise with any existing system of community outreach to ensure the maximum community benefit is realized from the waste resource.

Alternatively, if this is not in keeping with your values, or not possible with your legal department, we will ensure that your goods do not participate in the human food rescue program.

### ***Animal Feed***

The majority of our work is in building networks that accommodate the large volumes of existing food waste, and diverting that waste into a new feed resource in local, on-farm food production. A healthy community begins with healthy families. Our program specifically targets smaller farms, having identified them as the area into which you can provide the maximum positive impact with your waste stream. We aim to facilitate opportunities to work with the farmers and producers local to your stores: opportunities for you to source food to sell in the region it is produced, reusing what is not purchased as animal feed - thereby closing the loop on food production.

We select our partner farms carefully, choosing by preference family farms who are engaged in mixed, holistic farming. Biodiversity on farms enables every feed source to be utilized optimally, and returned back as healthy food for people in the community. This target farm has the ability to utilize 100% of the product supplied to them on site. Size of the farm varies in lockstep with the size of the stores that we serve, but our selection criteria has proven to select farms by size and diversity that ideally match with the store.

### ***Fuel - BioEnergy***

In the area surrounding each city we operate in, care is taken to find bio-energy solutions for the oil waste if possible, and in some cases, cardboard waste that we receive. Bio-diesel products, cellulose to electricity, and alternative solid fuel products are all solutions utilized in the past. We work with existing programs where possible, and encourage our farms to participate in a solution when a working system isn't currently in existence.

### ***Compost***

Farms in our program must have an active composting capacity to ensure that none of the received goods are wasted. North American farmland is losing soil at an unsustainable rate and having good carbon stewardship starts with healthy active soil. Our farms are active participants in this, and any carbon materials that are unable to be used as feed or for energy production, are used in the production of compost.

## **Operational Affairs**

### ***Products Handled***

We handle 100% of the in store, organic waste. Common items include:

- Produce department waste including trim from value add
- Dairy department distress and outdate
- Bakery and commercial bread distress and bulk stale end of day items
- Floral department shrink, trim and overstock
- Deli and HMR distress, meat ends, end of day hot buffet items, and shrink
- Meat and seafood department trim, shrink, and distress
- In-store coffee shops, all grounds, food waste, and end of shelf life items
- All grocery department breakage, distress, outdate, and end of production items

Sometimes mistakes happen during delivery or warehousing, and our system is flexible and adaptable enough to absorb rejected shipments. This is a substantial labour and disposal savings to the staff and store when such events occur.



***Food Safety Procedures***

We work closely with the corporate food safety teams in each region we start, to ensure that all food-safety concerns and requirements are effectively met and dealt with. We start at minimum with the industry standard food safe procedures, and tailor our training to each specific store.

***Scheduling***

Our local personnel are scheduled to pick-up on the dates and times that best suit the individual store. Currently, most store plans include pick-ups 7 days a week, once a day, between the hours of 2:30pm and 6:00pm to avoid peak delivery times and to allow the majority of the daily shrinkage to occur. Smaller stores have requested a three day a week pick-up schedule, and on occasion, some stores request more than once a day if the situation requires it (peak season, special circumstances of excessive distress in one day, damage in transit, etc).

***Labour Savings***

In most systems to date, we have been able to build practices into the program which reduce the labour required of your staff in their day-to-day functions. Once the items are identified as shrinkage or distress and set aside, our system takes over, substantially reducing the time your staff spend interacting with loss items, and freeing them up to focus on sale items.

***Tippage Reductions***

Conventional waste disposal costs are cut through a combination of tip frequency reduction (55-85%) and reduction in the tonnage tipped (78-93%). Some stores have transitioned from a compactor bin to a much lower cost open bin because with our system there are no pest attractants or odour causing biologicals left in the garbage.

***Packaging***

We are actively sourcing a better trajectory for our waste packaging; by fall 2018 we anticipate having a plastics to energy, and cardboard re-purposing program in place in select markets. We do not require your staff to de-package any items.

***Liability reduction***

We protect you with our structure. As a social/environmental waste contractor to your stores, we maintain an arm's-length relationship. Our agreements with you are in the form of a hold harmless indemnity document which absolves the store and organization of any harm resulting from the use or misuse of the waste product in any form. Additionally, we have separate hold harmless and non-disclosure agreements with each farm in our system, providing your business with two layers of isolation from risks. As a private company, we also retain the ability to make restitution in the unlikely event that one of our farms causes damage or loss, as we are fully and comprehensively insured.

## **Deployment and Scalability**

Our systems are organizationally light, leveraging technology to deliver solutions at any distance from our existing locations. Our typical program begins with an expression of interest from the store, and usually commences operational pick-ups within three weeks from the first approval.

Most organizations like to select one or two stores to act as a pilot for our program; we welcome this in any of our existing regions at any time convenient to you.

We have current operations in the provinces of British Columbia, Saskatchewan and Alberta , and have a system in place to adopt satellite communities. We are actively building networks in nearly every region of BC, Alberta, Saskatchewan and the Yukon, including at this time, but not limited to: Vancouver Island, Metro Vancouver, the Fraser Valley, Thompson-Nicola, the Okanagan Valley, Kootenays, Cariboo-Nechako, Bulkley-Skeena, and North, Southern Saskatchewan, and Central & Southern Alberta including Edmonton and Calgary.

Stores in our program help to support small farms operating within their community. What was once a waste product, with negative connotations and environmental impact, is now a net positive for business, the community, local food production, and the environment.

*I welcome any questions and can be reached directly at 250-784-1523*

A handwritten signature in black ink, appearing to read "Jaime White". The signature is written over a large, stylized, hand-drawn shape that resembles a triangle or a large letter 'J'.

*Jaime White - New Projects Director for Loop Resource*