



PEACE RIVER REGIONAL DISTRICT

Solid Waste Committee Meeting Agenda

April 2, 2020, 10:00 a.m.

1981 Alaska Avenue, Dawson Creek, BC

Conference call: 1-877-285-4099 Participant Id: 3069112#

Committee Chair: Director Rose

Vice-Chair: Director Goodings

	Pages
1. Call to Order	
2. Directors' Notice of New Business	
3. Adoption of Agenda	
4. Adoption of Minutes	
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5. Business Arising from the Minutes	
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7. Correspondence	
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11. Adjournment	



**PEACE RIVER REGIONAL DISTRICT
Solid Waste Committee Meeting Minutes**

DATE: March 5, 2020

PLACE: Regional District offices, Dawson Creek, BC

PRESENT: Director Rose, Electoral Area 'E' – Committee Chair
Director Goodings, Electoral Area 'B' – via teleconference
Alternate Director Deck, District of Chetwynd
Director Bumstead, City of Dawson Creek
Director Sperling, Electoral Area 'C' - ex officio

Staff
Shawn Dahlen, Chief Administrative Officer
Paulo Eichelberger, General Manager of Environmental Services
Suzanne Garrett, Corporate Services Coordinator

1) Call to Order The meeting was called to order at 10:05 am

ADOPTION OF THE AGENDA:

2) Adoption of the Agenda MOVED by Director Bumstead, SECONDED by Alternate Director Deck, that the Solid Waste Committee agenda for the March 5, 2020 meeting, including additional items for the agenda, be adopted as amended:

Call to Order

Notice of New Business

Adoption of the Agenda

Minutes

M-1 Solid Waste Committee Meeting Minutes of February 6, 2020

Business Arising from the Minutes

Correspondence

Reports

R-1 February 20, 2020 – Paulo Eichelberger, GM Environmental Services – Landfill Gas overview in the PRRD.

R-2 February 20, 2020 - Paulo Eichelberger, GM Environmental Services – Single Use Plastics Offset Strategy.

R-3 February 20, 2020 – Paulo Eichelberger, GM Environmental Services – ICI Tonnages and Tipping fees at Regional District landfills.

Items for Information

I-1 Solid Waste Committee Terms of Reference

Adjournment

CARRIED.

MINUTES:

3) M-1 SWC Mtg MOVED by Director Bumstead, SECONDED by Alternate Director Deck,
Min. of Feb 6, 2020 That the Solid Waste Committee Meeting Minutes of February 6, 2020 be adopted.

CARRIED.

REPORTS:

4) R-1 re: MOVED by Director Goodings, SECONDED by Director Bumstead,
Landfill Gas That the February 20, 2020 report entitled Landfill Gas Overview in the Peace River Regional District
Overview be received for discussion.

CARRIED.

At the January 7, 2020 meeting the Committee resolved that staff prepare an information report providing a full overview to reduce landfill gas at the North Peace Regional Landfill. The report discusses Landfill Gas provincial regulations and describes different options for managing landfill gas at Regional District landfills.

4) R-1
(continued)

The impact of shifting waste from the North Peace Regional Landfill to Bessborough and the resulting effect on landfill gas management can be summed up as follows:

- Diverting all waste from Bessborough will cut off increased methane production from introduction of fresh waste at the North Peace Regional Landfill. However, the LFG system at North Peace will have to operate for a minimum of 10 years until methane production drops below 500 tonnes/yr (estimated operating cost of \$100,000/year).
- Shifting all diverted waste from North Peace to Bessborough will accelerate the need to install a facility at Bessborough by 31 years to 2025 (2026 with organics diversion).
- Lifespan of the Bessborough landfill will shorten by almost 44 years.
- The cost of trucking waste from North Peace to Bessborough will far exceed the reduction to LFG operational costs at NPRLF, approximately \$7,000,000 per year.

5) R-2 re:
Single Use Plastics

MOVED by Director Bumstead, SECONDED by Director Goodings,
That the February 20, 2020 report entitled Single-Use Plastics Offset Strategy be received for discussion.

CARRIED.

Single-use plastics constitutes more than 40% of the plastic stream from the market in British Columbia. As a means to reduce these materials from entering the landfill, an offset strategy has been developed. The intention of the strategy is to tie plastics recycled in the PRRD to a multi-use product used by its residents within the region, as a means of reducing single-use items. The current scope is to use multi-use bags or totes that are made from 100% recycled plastics to show a circular economy, and help prevent further single-use plastics from entering the landfills and reducing the overall impact to the environment.

The strategy involves having the Regional District work with local businesses to partner for the purchase of the multi-use bags or totes. The benefit to the partners is that they will receive affordable advertisement and a portion of the bags purchased for their customers.

MOVED by Director Bumstead, SECONDED by Alternate Director Deck,
That the Solid Waste Committee recommends to the Regional Board that in an effort to reduce the amount of single-use plastics coming into the waste stream, the Regional District seeks partners from within the region through a Request for Interest (RFI), to contribute to 100% of the purchase costs of multi-use bags or totes to be split evenly amongst the partners, in exchange for their branding/logo to be printed on the bags or totes.

CARRIED.

6) R-3 re:
ICI Tonnages

MOVED by Director Bumstead, SECONDED by Alternate Director Deck,
That the February 20, 2020 report entitled ICI Tonnages and Tipping Fees at PRRD Landfills be received for discussion.

CARRIED.

At the January 7, 2020 meeting the Committee recommended that staff prepare an information report outlining possible impacts to increasing disposal fees for Industrial-Commercial-Institutional (ICI) waste. The Regional Board approved this recommendation on February 27, 2020.

ICI waste received at the Bessborough, Chetwynd, and North Peace Regional Landfills makes up approximately 75%. In 2018 a Waste Composition Study (WCS) was conducted that provided an analysis of what is being taken to the landfills. Waste generated from the ICI sectors comes from a variety of sources which include, but are not limited to, commercial haulers, restaurants, hotels, businesses, schools, work camp waste, light industrial facilities, hospitals etc.

Through the WCS, ICI waste was analyzed between three different categories: ICI Non-Work Camp, ICI Work Camp Waste, and Construction and Demolition (C&D) Wastes. Waste originating from ICI Work Camps generally resembled the composition of waste that would be generated by a single family home.

6) R-3 re:
ICI Tonnages
(continued)

A large portion of compostable organics, paper, and plastics were found within ICI Work Camp waste. ICI non-work camp waste contained more building materials within their loads. Furthermore, waste generated C&D sector was mainly composed of building material (asphalt and wood products).

To recover costs:

Opportunity 1 – increase all ICI fees by the same increment

Opportunity 2 – increase ICI fees, keeping separated/divertable material at the same current rate and increase the remaining rates significantly.

It was noted that soils brought into landfills are accepted free of charge. Soils are used at landfill sites as cover material, road works, etc. Revenue could be generated by charging a disposal fee for this material. The generator pays for soil testing to meet guidelines and ensure soils are not contaminated.

MOVED by Director Bumstead, SECONDED by Alternate Director Deck,
That the Solid Waste Committee recommends to the Regional Board that Industrial-Commercial-Institutional disposal fees be increased by 1% plus Consumer Price Index to a total of 3.3%; and that disposal fees for clean fill soils be charged at \$5.00 per tonne for 2020.

CARRIED.

It was suggested that an “escalator” be built into the fees bylaw to provide the ability to increase fees without having to make an amendment to the bylaw.

7) Committee
Report

MOVED by Director Goodings, SECONDED by Alternate Director Deck,
That the recommendations from the Solid Waste Committee meeting of March 5, 2020 be recommended to the Regional Board for approval.

CARRIED.

The Chair adjourned the meeting at 11:30 a.m.

Director Rose,
Chair – Solid Waste Committee

Suzanne Garrett,
Corporate Services Coordinator



REPORT

To: Solid Waste Committee

Date: April 2, 2020

From: Paulo Eichelberger, General Manager of Environmental Services

Subject: RFP Award 01-2020 Operations of PRRD Landfills

RECOMMENDATION:

That the Solid Waste Committee recommend to the Regional Board that the RFP 01-2020 Operations of Peace River Regional District Landfills be awarded to Whissell Waste Solutions BC Ltd. (Whissell) at a cost of \$16,005,482 (excl. GST) over a 5 year period, beginning August 1, 2020.

BACKGROUND/RATIONALE:

The operation of the three PRRD Landfills is handled by a third party through the Operations of Peace River Regional District Landfills Contract. Historically the term of this contract has been for a period of 5 years. The current Landfill contract (07-2015) is held by Green for Life Environmental (GFL) and expires July 31, 2020.


Staff issued an RFP to acquire industry best practices and pricing for the next 5 year service contract for landfill operations. Below is a table illustrating the results of the 5 proposals that were received:

	GFL	Enviro-Ex	A&L Septic	Whissell	Brocor
Mandatory Requirements					
Submission Form (Appendix B)	✓	✓	✓	✓	✓
Pricing (Appendix C)	✓	✓	✓	✓	✓
Bonding	✓	✓	✓	✓	✓
Scoring Matrix Results					
Total Score	84	66	69	90	40
PROPOSAL COST (Excluding GST)	\$16,469,055	\$17,652,000	\$21,175,000	\$16,005,482	\$24,176,115

All parties met the minimum requirements as set out in the proposal and based on the results of the evaluation, Whissell both received the highest score and was the lowest cost provider.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee provide alternative direction.

Staff Initials: Dept. Head: CAO: 

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STRATEGIC PLAN RELEVANCE:

- ☒ Responsive Service Delivery

FINANCIAL CONSIDERATION(S):

The price proposed by Whissell is 3% less than that of the past 5 year contract, which translates to a year-to-year cost savings of approximately \$87,574 per year?

Through the 2020 budget process staff budgeted for a 5% increase to contractor costs for this year, in anticipation of higher costs to operate all three landfill sites.

Coupled with the 5% contingency this translates to an estimated \$248,839 in savings in 2020.

COMMUNICATIONS CONSIDERATION(S):

Notice of award will be issued to Whissell in order to prepare for the transition of contractors at the Bessborough, Chetwynd and North Peace Regional Landfills in summer 2020.

OTHER CONSIDERATION(S):

Whissell has identified additional value-add options which could further reduce costs for the PRRD:

- Updated staffing model which could reduce costs annually by \$358,932. (comment on staff)
- Extension of the contract/renewal from 5 years with 1 year renewal to 7 year contract with 3 year renewal (all subject to performances). Annual cost reduction of approximately \$73,563.
- Use of factory rebuilt compaction equipment vs new: annual cost reduction of \$190,147.

Coupled with the 3% reduction stated under Financial Considerations, the possible total annual savings are approximately \$710,216.



REPORT

To: Solid Waste Committee

Date: April 2, 2020

From: Paulo Eichelberger, General Manager of Environmental Services

Subject: RFP Award 04-2020 PRRD Closed Landfill Closure Reports

RECOMMENDATION:

That the Solid Waste Committee recommend that the Regional Board award Contract #04-2020, "PRRD Closed Landfill Closure Reports," to GHD Limited for a cost of \$118,289 (excl. GST).

BACKGROUND/RATIONALE:

There are 26 closed landfill sites in the Peace River Regional District (PRRD). Of these, old operating permits are still active for 13 sites, as listed below:

- | | | | |
|------------------|------------------|-------------------|-------------|
| 1. Brassey Creek | 5. Hudson's Hope | 9. Milligan Creek | 13. Sikanni |
| 2. Cecil Lake* | 6. Kelly Lake* | 10. Prespatou | |
| 3. Dawson Creek | 7. Lone Prairie | 11. Progress | |
| 4. Groundbirch | 8. Mile 62.5 | 12. Rose Prairie* | |

In fall of 2019, the Ministry of Environment and Climate Change Strategy (MoECCS) deemed that since they longer accept waste for permanent onsite burial, the locations listed above are applicable for their permits to be updated and closed off¹.

*Disclaimer: *Cecil Lake, Rose Prairie, Kelly Lake sites currently have bulky waste pits which begin decommissioning in 2020.*

In order to satisfy Ministry requirements to update and abandon these permits, closure plan reports must be produced by a Qualified Professional²(QP). Once this requirement is satisfied the closure reports will be submitted to the MoECCS for review and formally close out these permits by September 1, 2021 (Ministry deadline). To that end, a Request for Proposal (RFP) was issued for the closure work and closed on February 20, 2020. There were 6 proposals submitted and evaluated, as noted below:

	Morrison Hershfield	Tetra Tech Canada Inc.	GHD Limited	Golder Associates Ltd.	SLR Consulting (Canada) Ltd.	Sperling Hansen Associates
Mandatory Requirements						
Submission Form (Appendix B)	✓	✓	✓	✓	✓	✓
Pricing (Appendix C)	✓	✓	✓	✓	✓	✓
Proponent Qualifications	✓	✓	✓	✓	✓	✓
Scoring Matrix Results						
Total Score	76	69	90	66	66	75
PROPOSAL COST (Excluding GST)	\$165,500	\$239,972	\$118,289	\$316,386	\$247,900	\$236,528

¹ MoECCS refers to this process as "permit refresh and abandonment." This permit process is being done throughout the province in 2020 at the behest of the MoECCS, affecting closed and open landfill sites.

² Landfill Criteria 2nd Ed., part 7.1 "Closure and Post-Closure Criteria – A Closure Plan is required for all landfill sites."

Staff Initials: *Paulo Eichelberger*Dept. Head: *Paulo Eichelberger*CAO: *Paulo Eichelberger*

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All proponents were evaluated on experience, clarity of proposal, schedule, methodology and cost. From the evaluation, the preferred proponent is GHD Limited at a cost of \$118,289 (excl. GST). As such, staff is recommending award of the work to GHD Limited.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee recommend alternative direction.

STRATEGIC PLAN RELEVANCE:

- ☒ Organizational Effectiveness

FINANCIAL CONSIDERATION(S):

As the permit abandonment process is a new initiative that the MoECCS began in late 2020 across the province, it was unknown what the cost of QP work would be. To that end, it was estimated that \$100,000 would be needed to conduct the closure plan work in 2020 and the "mitigation of closed landfills" line item in the Solid Waste budget was budgeted accordingly for 2020.

It is noted that the low cost provider is \$18,000 over the estimated budget. However, given that an adjacent solid waste request for proposal (the landfill operations contract) has come in under budget by approximately \$249,000, the cost for completing the landfill closure report work will not adversely affect the 2020 Solid Waste Budget.

COMMUNICATIONS CONSIDERATION(S):

N/A

OTHER CONSIDERATION(S):

The proposed QP work includes an assessment which could reduce future monitoring costs on the closed landfill sites.

Operation of manned transfer stations currently located on several of these sites will remain unaffected by the permit abandonment process.



REPORT

To: Solid Waste Committee

Date: March 24, 2020

From: Paulo Eichelberger, General Manager of Environmental Services

Subject: RFP Award 05-2020 Bessborough and Chetwynd DOCP Update

RECOMMENDATION:

That the Solid Waste Committee recommend to the Regional Board that RFP 05-2020 - Bessborough and Chetwynd Landfill Design, Operations and Closure Plan Update be awarded to Tetra Tech Canada Inc. (Tetra Tech) at a price of \$99,781.04 (excl. GST).

BACKGROUND/RATIONALE:

Under the Operating Certificate (O.C.) of the Bessborough Landfill (BBLF) and Operating Permit for Chetwynd Landfill (CHLF), Landfill Design, Operations and Closure Plans (DOCP) are required to be updated every 5 years¹. DOCP's are an all-encompassing blueprint which describes:

- How landfill cells are constructed, including how surface water is managed (a "Fill Plan").
- Periodic assessment of landfill gas content in a landfill site.
- Progressive Closure – how different phases of a landfill are closed off when they reach their capacity, done so in order to limit infiltration of surface water run-off.

Bessborough Landfill

The latest version of the DOCP was due for update in 2018, but was delayed to accommodate changes in the construction of the next landfill cell, now being developed in 2 parts (Phase 3A and 3B). This alteration in how the landfill cells are constructed will be reflected in the new DOCP.

Chetwynd Landfill

The latest version of Chetwynd's DOCP was completed in 2012². A DOCP update is being done in 2020 for two reasons:

- In 2019, a new opportunity to increase airspace capacity at the site was realized when a previously disturbed portion of the landfill was found to have additional room for filling.
- the Ministry of Environment and Climate Change Strategy (MoECCS) began a process in late 2019 for all landfills in the Province where LF sites (with a permit or O.C.) are standardized under the same provincial landfill guidelines, which means updating fill plans and DOCP's every 5 years. This requirement now applies as the CHLF Permit was amended in January of 2020.

A DOCP must be provided by a qualified professional, therefore staff issued an RFP to secure best practices and pricing. Three proposals were received and are summarized in the table below:

¹The five year period is specified in the Provincial Landfill Criteria (2nd. Edition, Dec. 2016) and is designed to take into account the need to change how a landfill is built, based on new industry best practices and technology.

² Site had its Fill Plan updated in 2018 as a DOCP renewal was not mandated for operating permits.

Staff Initials:

Dept. Head:

CAO:

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	Tetra Tech	GHD	SHA
Mandatory Requirements			
Submission Form (Appendix B)	✓	✓	✓
Pricing (Appendix C)	✓	✓	✓
Proponent Qualifications	✓	✓	✓
Scoring Matrix Results			
Total Score	86	81	85
PROPOSAL COST (Excluding GST)	\$99,781.04	\$155,000.00	\$124,724.00

All proponents were evaluated on experience, clarity of proposal, schedule, methodology and cost. From the evaluation, Tetra Tech is the preferred proponent.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee provide alternative direction.

STRATEGIC PLAN RELEVANCE:

☒ Not Applicable to Strategic Plan.

FINANCIAL CONSIDERATION(S):

Staff originally budgeted \$85,000 to complete DOCP updates. However, the preferred proponent and low-cost provider came in approximately \$15,000 higher than budgeted. Due to the recent update to the Chetwynd Fill Plan, the scope of work for the Chetwynd DOCP will be reduced, therefore costs are expected to be less than the quoted \$99,781. However, if the full value of the work is needed, the cost will not drive the Solid Waste Budget into deficit, due to an adjacent RFP which came in \$249,000 under budget.

COMMUNICATIONS CONSIDERATION(S):

None identified.

OTHER CONSIDERATION(S):

None identified.



REPORT

To: Solid Waste Committee

Date: April 2, 2020

From: Paulo Eichelberger, General Manager of Environmental Services

Subject: **Recycle BC and Commingled Curbside**

RECOMMENDATION:

That the Solid Waste Committee receive the report titled "Recycle BC and Commingled Curbside" for discussion.

BACKGROUND/RATIONALE:

As the Committee members will recall, the recycling component of the Solid Waste Budget has been of concern due to increasing costs of recycling. To that end, staff has been continuously examining options to reduce costs of recycling while continuing to provide service to our residents. A business case (attachment 1) has been developed and presented to Recycle BC (RBC) that outlines a hybrid collection system for low population density regional districts to work within their current program.

Referring to attached business case, the proposed hybrid program involves inserting the PRRD in place of incorporated municipalities and rural unincorporated communities as the direct point of contact with RBC, representing a "community" of 63,000 residents.


Upon compiling the business case, staff reached out to the PRRD's private recycling contractor to discuss their role as a key stakeholder in this hybrid program, should it move forward. The contractor is open to the idea at this point.


On March 23, 2020, staff had a conference call with RBC to discuss the proposed hybrid program, highlighting operational efficiencies which could be realized through the business case as presented. This program could offer a way for RBC to function within low-population density regional districts, which has been a challenge in B.C.

Below are the highlights of the discussion:

- RBC will only work with incorporated municipalities that meet 4.3.5 of their Recycling Steward Program for curbside recycling.
- With respect curbside recyclables and PRRD municipalities:
 - Dawson Creek is part of "Phase 5" of RBC's plan to add on new members and they will be re-approaching the City in upcoming months.
 - Fort St. John remains on the list of candidates to be re-approached and on-boarded.
 - Pouce Coupe will not be eligible as they do not meet the current criteria.
 - Tumbler Ridge could potentially be on-boarded, pending current criteria.

Staff Initials: 

Dept. Head: 

CAO: 

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- The hybrid program will not be considered by RBC as it does not fit in the current Recycling Stewardship Plan.

The outcome of the conversation was unfortunate, as it would have been beneficial to pilot this program as proof of concept that could later be implemented across the Province. Gains which could have been realized under this hybrid model are:

- Reduced recycling subsidy for taxpayers in the region:
 - Currently, the taxpayer pays twice: once for the eco-fee at purchase (EPR¹ funding) and once through taxation² (regional recycling program).
- The model opens the door to future collection of residential depot material currently handled through the private recycler.
- Extends RBC's effectiveness in regional districts, regardless of their location in B.C.
- Opportunity for Province-wide implementation where low-density populations exist that current do not have the same access to RBC as high-density areas.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee provide alternative direction.

STRATEGIC PLAN RELEVANCE:

- ☒ Partnerships
- ☒ Responsive Service Delivery

FINANCIAL CONSIDERATION(S):

Through the Recycle BC program there are fixed revenue offsets for accepted materials for both marketing and collection. For baled curbside commingled material alone, marketing value is \$170/tonne and collection is approximately \$36 per year per household.

Based on 2019 tonnages at \$170/tonne, this translates to \$205,292 for market revenue versus a loss of \$228,498 at current market rates. Net change for market value would be \$429,790 in favor of the PRRD.

Additionally, there are a combined 11,860 bins (one for each household) that collect commingled curbside recyclables in Pouce Coupe, Dawson Creek, and Fort St. John. Based on \$36 per household, this translates to an estimated collection offset of \$426,960 to the PRRD.

If both the marketing offset and the collection offset were accepted by RBC, the total net reduction in recycling costs to the PRRD could be \$856,750.

COMMUNICATIONS CONSIDERATION(S):

None identified.

OTHER CONSIDERATION(S):

¹ Extended Producer Responsibility – under the Recycling Regulation, producers of packaging and printed paper are required to cover 100% of the cost of capturing “their material.” However, this is not possible due to economies of scale throughout the province.

² \$0.0274 per assessed \$1,000, based on 2019 actuals.

To move forward as presented, the Regional District would have to coordinate with municipalities operating curbside collection of recyclables in order to ensure contamination rates are minimized prior to full implementation into the hybrid program.

Attachments:

1. RBC Curbside Business Case.



PEACE RIVER REGIONAL DISTRICT

The Peace River Regional District (PRRD) has approximately 63,000 residents living in 120,000km². Recycling in the Region is handled two ways, either through a private contract, or through Recycle BC Depots. The PRRD has been a contractor on behalf of Recycle BC (RBC) since November 30, 2013. Currently there are 10 designated RBC Depots and 3 satellite sites that operate at Rural Transfer Station sites within the Region.

In 2019, a total of 4,657 tonnes of recyclables was diverted from landfills in the PRRD. Of that, only 130 tonnes or 2.8% was contributed from RBC depots in the region. The remaining 4,527 tonnes was processed by the PRRD's private recycling contractor and is split 50/50 from residential and commercial sources. Currently there are no RBC Depots in 6 of the 7 municipalities in the PRRD. The majority of the residential recycling stream within these municipalities are being handled by the private contractor outside of the RBC program. It is recognised that a successful model for Rural Regional Districts with low population densities, especially in northern BC, has been a challenge for RBC.

In an effort to address this challenge, and provide increased access to RBC in our region, the PRRD has a proposal to address service access challenges for our 65,000 residents. The idea is to establish the PRRD as a single source point of contact for RBC in the region. In this scenario, the PRRD would coordinate directly with RBC for the consolidation of residential recyclables from depots and curbside collection programs within the entire Region. The material processed by the private recycler on behalf of the PRRD is collected through:

1. Depot Collection (Residential/Commercial)
2. Commingled Curbside (Residential)

Recognising that the private contractor does collect materials from both residential and ICI sources, we believe that we should first target commingled curbside recyclables as they are strictly residential in nature and are easily isolated from ICI materials collected in the depots. Further, the recyclables collected in the commingled curbside programs are PPP materials and should be included in the RBC program. Below is an overview of curbside statistics and a framework of how the interaction between RBC, the PRRD, and remaining entities would work.

diverse. vast. abundant.

PLEASE REPLY TO:

☒ Box 810, 1981 Alaska Ave, Dawson Creek, BC V1G 4H8 Tel: (250) 784-3200 or (800) 670-7773 Fax: (250) 784-3201 Email: prrd.dc@prrd.bc.ca
☐ 9505 100 St, Fort St. John, BC V1J 4N4 Tel: (250) 785-8084 Fax: (250) 785-1117 Email: prrd.fsj@prrd.bc.ca

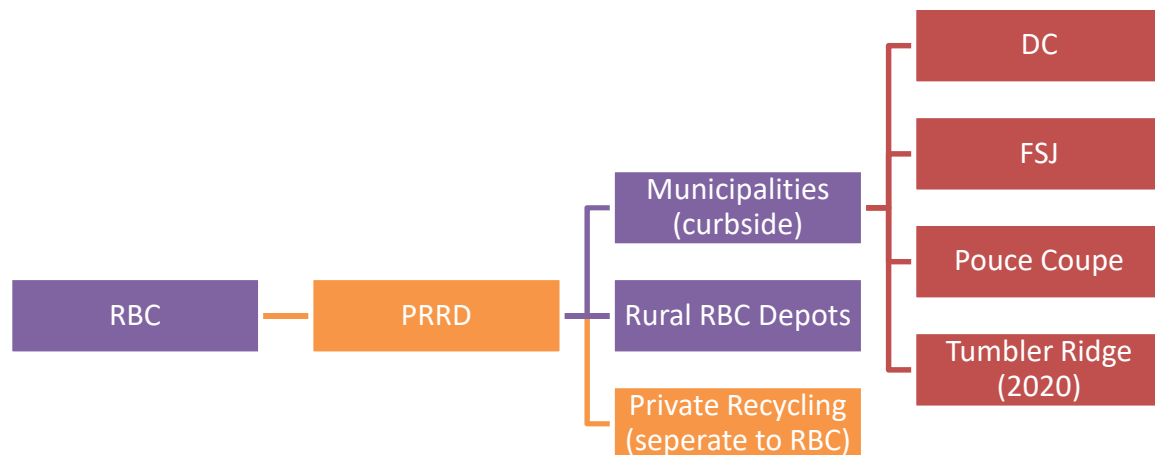
Commingled Curbside Collection in the PRRD

Currently there are 3 municipalities that offer curbside collection for commingled recycling in the Region since 2016. These programs closely follow the RBC program in that they do not allow plastic bags, films, glass, and styrofoam to be collected in the commingled curbside container. The 3 municipalities provide curbside collection for their residents (weather through a private contract or by municipal staff) which is consolidated at a central point. From there, the material becomes the responsibility of the PRRD. The material is sorted of contaminants, baled, and collected by a private contractor who then arranges to have it shipped to market. The table below illustrates the tonnages collected in 2019:

Municipality	Population (Stats Canada 2016)	Households Served	Commingled Tonnage	Consolidation Point
Fort St. John	20,155	6,816	716	R3 Recycling
Dawson Creek	12,178	4,694	458	DC Recycling
Pouce Coupe	792	350	34	DC Recycling
Totals	33,125	11,860	1,208	

Additionally, the District of Tumbler Ridge will begin to provide commingled curbside collection for their residents in 2020. At this time it is estimated that 190 tonnes of residential recyclables will be captured through their curbside program annually.

In order to capture these 1,400 tonnes under the RBC program, we proposed that the PRRD becomes the central point of contact for RBC as per the following structure:



The material will be collected, sorted, and baled by the private recycling contractor on behalf of the PRRD. The PRRD would look to RBC to market the baled material and provide the collection offset for the 11,860 (plus Tumbler Ridge) residential properties serviced in the region.

Depot Collection in the PRRD

The remaining 3,319 tonnes of recyclables collected by the private contract was done so through a series of depots in the region. This material is currently a mix between residential and ICI sources, in 2019 the composition was approximately 30% (996 tonnes) residential and 70% (2,323 tonnes) For the residential material collected, the total 996 tonnes PPP that could potentially be included into the RBC program. This additional material can be discussed at a later date.

In closing, the addition of the Region's commingled curbside material into the RBC program as described could prove to be a viable solution for low population density Regional Districts. The method proposed closely follows the "New Curbside Programs (4.3.5)" guideline from the Packaging and Paper Product Extended Producer Responsibility Plan as it meets all the criteria if we look at the Regional District as the community being serviced by RBC.

Additionally, the inclusion of this material would boost the Operational Effectiveness Indicator within the PRRD that RBC reports on annually. In 2019 the 130 tonnes of PPP material were collected in the PRRD through the current RBC program equates to a per capita rate of only 2.06kg/capita. The addition of the approximately 1,400 tonnes of commingled curbside material boosts the per capita rate to 22.7kg/capita captured in the PRRD. This also brings the RBC program significantly closer to the regional target of 40kg/capita.



Solid Waste Committee TERMS OF REFERENCE

The Peace River Regional District (PRRD) developed a Regional Solid Waste Management Plan that was approved in 2009. The Plan addresses three key areas:

- Greater efficiency of programs and services
- Greater focus on reducing, reusing and recycling to protect our environment
- Greater focus on sustainable management to protect future generations

ROLE OF THE COMMITTEE

With the understanding that Solid Waste Management is a regional function and represents our largest single budget item; the goals of the Solid Waste Committee (SWC) is to act as an advisory committee for the Regional District solid waste management function and identify concerns and issues that may arise.

STRUCTURE OF THE SOLID WASTE COMMITTEE

1. Members: The SWC will consist of five (5) Board members as appointed by the Chair and will consist of:

- Director from the City of Dawson Creek, or alternate director
- Director from the City of Fort St. John, or alternate director
- Director from the District of Chetwynd, or alternate director
- Director from Electoral Area 'B', or alternate (Electoral Area 'C' Director)
- Director from Electoral Area 'E', or alternate (Electoral Area 'D' Director)
- PRRD Board Chair, as ex-officio member
- The meetings will be chaired by a Committee member elected by the Committee participants on an annual basis
- In the absence of the Chair, a member elected Vice-Chair by the Committee on an annual basis will chair the meetings;
- Appropriate Regional District staff person – non-voting.

2. Meetings:

- The Committee shall meet on a monthly basis, on the first Thursday of every month;
- Meetings will be open to the public;
- Items for the regular agenda must be provided to Administration one (1) week prior to the scheduled meeting;
- The PRRD Board Chair will be given a copy of all Committee meeting agendas.

3. Procedures:

- Quorum – at least one-half of the members of the Committee;
- Voting – all options and recommendations shall be determined by majority vote, with recommendations and options being forwarded to the Regional Board for consideration and action.

Adopted by the Regional Board: May 26, 2016
RD/16/05/20 (26)