



**PEACE RIVER REGIONAL DISTRICT
Solid Waste Committee**

for the meeting to be held on **October 5, 2017**
at the Regional District offices, 1981 Alaska Avenue, Dawson Creek, BC
commencing at 9:00 am

Chair: Director Dan Rose
Vice-Chair: Director Lori Ackerman

1. **Call to Order:**
2. **Notice of New Business:**
3. **Adoption of the Agenda:**
4. **Adoption of the Minutes:**
 - M-1 Solid Waste Committee Meeting Minutes of August 22, 2017
5. **Business Arising from the Minutes:**
6. **Reports:**
 - R-1 July 21, 2017 report Climate Mitigation Capital Project Grant
(deferred from August 22, 2017 meeting)
 - R-2 September 28, 2017 report – Policy for Waiving Solid Waste Disposal Fees for
volunteer organizations
 - R-3 For Information – September 25, 2017 Impact of Work Camp Solid Waste
Generation on Regional District Resources
 - R-4 For Information - September 20, 2017 report – Waste Composition Study - 2nd
sampling event results.
7. **New Business:**
 - NB-1 Review the Regional Solid Waste Management Plan
August 22, 2017 – left off at page 49
8. **Items for Information:**
 - I-1 Basecamp Follow-up list – Solid Waste Committee
 - I-2 Solid Waste Financial Summary Report and Financial Report – Sept 26, 2017
9. **Adjournment:**



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

DATE: Tuesday, August 22, 2017

PLACE: Regional District offices, Dawson Creek, BC

PRESENT: Director Rose, Electoral Area 'E' - Committee Chair
Director Goodings, Electoral Area 'B'
Alternate Director Deck, District of Chetwynd
Director Bumstead, City of Dawson Creek
Alternate Director Klassen, City of Fort St. John
PRRD Chair Sperling, ex officio

Staff

Chris Cvik, Chief Administrative Officer
Paulo Eichelberger, General Manager of Environmental Services
Phil Kovacs, Solid Waste Manager
Suzanne Garrett, Corporate Services Coordinator

1) Call to Order The meeting was called to order at 9:10 am

DIRECTORS NOTICE OF NEW BUSINESS:

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 August 22, 2017 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 July 6, 2017

M-2 Solid Waste Committee Meeting Notes of July 13, 2017

Business Arising from the Minutes

BA-1 M-1, Item #4 – PRRD Activity book

Reports

R-1 For information – July 28, 2017 Waste Composition Study – 1st sampling

R-2 For information – June 30, 2017 Lone Prairie Transfer Station location information survey

R-3 July 21, 2017 report regarding Climate Mitigation Capital project grant

New Business

NB-1 Review of Regional Solid Waste Management Plan

Items for Information

I-1 Basecamp Follow-up list - Solid Waste Committee

1-2 Solid Waste Financial Summary Report and Financial Report – August 8

I-3 Draft financial page

Adjournment

CARRIED.

MINUTES:

3) M-1 July 6/17
SWC Mtg Min. MOVED by Director Bumstead, SECONDED by Alternate Director Deck,
That the Solid Waste Committee meeting minutes of July 6, 2017 be
adopted.

CARRIED.

4) M-2 July 13/17 MOVED by Director Bumstead, SECONDED by Director Sperling,
That the Solid Waste Committee meeting notes of July 13, 2017 be adopted.

CARRIED.

BUSINESS ARISING FROM THE MINUTES:

5) Activity Book The “Discover the PRRD” activity book, produced by Communications staff,
provides information and activities to promote the Regional District and its
services. At the May 9, 2017 solid waste meeting Director Rose had requested that
a cost breakdown of the activity book be included on the next solid waste agenda
for information. Since that date Director Rose had a discussion with the
Communications Manager. At the July 6, 2017 meeting members requested a
status update on the subject.

It was noted that this subject should be brought up at the board level as it is not a
solid waste topic to address “how did the activity book come about, was the
board aware of the project?”

6) Vary the Agenda MOVED by Director Bumstead, SECONDED by Alternate Director Klassen,
That the agenda be varied to deal with item NB-1.

CARRIED.

7) NB-1
Review of
RSWMP Committee members reviewed the Regional Solid Waste Management Plan. It
was noted that the Regional District is in Year 8 of a 20 year plan.
- There are 12 transfer station sites with share sheds, system is monitored and
is working well. Large share shed will be on line at the North Peace Regional
Landfill in the fall.

Section 5, 5.2.1. [Track Waste Generation Sources](#)
- tracking has been in place for 8 years,
- tracking identifies trends
- establishing a baseline set of practices with respect to existing waste
management systems has been completed

Section 5.2.2 [Conduct a Waste Composition Study](#)
- Underway 2017 – 2018 (final report)
- Seasonal samples (spring, fall, winter) taking place at the Chetwynd,
Bessborough, and North Peace landfills

Section 5.2.3 [Establish Minimum Operating Standards for Landfills](#)
- complete, operating standards are included in design and operations plan for
each landfill
- work on each bullet has been completed

7) NB-1 cont'd

Director Bumstead advised that recently, 3 times in July, he had the opportunity to use the transfer stations in Dawson Creek (DCTS) and Kelly Lake. At the DCTS the bins were overflowing and he was instructed to put the waste in a bin when it should have been put into the specific waste bin as the others were all full. At Kelly Lake all waste, regardless of what it was is being dumped over the bank, no segregation taking place on site. It was felt that additional contract management needs to take place. Do random inspections, including weekend visits. It is felt that these sites should be operating efficiently as possible.

Staff advised that deficiencies are investigated and site visits are conducted on a monthly, random basis. Identified issues/complaints are inspected. When complaints are received with respect to the PL6 bins being full, the driver is contacted and dispatched back to the site to pick up the bins.

It was felt that standardized agreements/level of service across the region needs to be addressed. Determine level of service for residents first, establish consistency.

5.2.4

Identify Development Needs for Waste Management System

- ongoing, part of the structural phase
- service levels are not the same between urban and rural areas
- *Rose Prairie is not a landfill, Plan should be changed to reflect that*

Staff noted that all updates/revisions will be identified for discussion with the MoE (Ministry of Environment) to determine if the RSWMP requires a minor or major amendment.

5.2.5

Continue Planned Development and Operation of the Bessborough Landfill

- ongoing, design and operations plan is complete and is reviewed every two years. The anticipated lifespan of the landfill is 60+ years.

5.3.1

Standardize Recycling Programs across the Region

- recycling services are not standard, operated under different programs.
- MMBC (Multi-Materials BC), now doing business as Recycle BC, only covers residential recyclables, not ICI (Institutional, Commercial, Industrial)
- wording should be changed, cannot set standardized programs as programs do not cover all products
- caution was expressed, in the future recycling could be provincially mandated, should be more proactive – how will it impact this area?
- push is on producers to provide increased stewardship and collection sites, creates issues with enforcement versus regulations
- there are no incentives for ICI sector to recycle, there is no drop off location in Charlie Lake, request Recycle BC to put a collection station in Charlie Lake.
- MoE regulation is focused on household recycling not ICI sector. All sectors should be covered.

- 7) NB-1 cont'd
- It was noted that Recycle BC has limited the Regional District to 10 recycling sites. Staff have had multiple discussions with Recycle BC to change sites around, i.e. swap out Pink Mountain site to Charlie Lake. To date Recycle BC is unwilling to replace the current established sites.
 - Continue to standardize, need to get away from subsidizing recycling.
 - *Change focus to ICI*

MOVED by Director Goodings, SECONDED by Director Sperling,
That the Solid Waste Committee recommends to the Regional Board that a letter be forwarded to Recycle BC [Multi-Material British Columbia] requesting that the Regional District be allowed to determine suitable recycling locations provided the total number of approved sites does not exceed the current limit of ten (10) approved recycling locations.

CARRIED.

5.3.2 **Initiate Upgrades to Transfer Stations to Secure, Attended Full-Service Sites**

- continued expansion of recycling facilities at transfer stations
- costs driven up with construction and operation
- reduces accessibility
- mobility issues at sites have been addressed by refining design of new transfer stations

5.3.3 **Investigate Replacement Options for the Fort St. John Landfill**

- redundant
- *all references to Fort St. John Landfill should be replaced with "North Peace Regional Landfill"*

5.3.4 **Explore Feasibility of Joint PRRD-Industry Waste to Energy Facility**

- has been investigated numerous times over the years, last review in 2015 by AECOM. This type of facility is very expensive to construct and the region does not have sufficient waste tonnages (need approximately (300,000 tonnes) to make it viable
- add agricultural plastics, bring in from other areas, i.e. Caribou area

5.4.1 **Implement Incentive Based Tipping Fees**

- does not work for residential waste
- better suited for industry
- concentrate on CDW (Construction Demolition Waste) and ICI wastes
- *the Plan Monitoring Advisory Committee has stated that nothing will change until tipping fees outweigh costs of recycling*
- disposal fee bylaw will need to be updated in 2017, needs to be done prior to budget discussions

- Parking Lot items
- cost of manned transfer station versus revenue received, unmanned 24/7 transfer station pilot project, equipment to be locked out – huge liability concern if site is unsupervised and an accident/injury/death occurs, the Regional District would be totally responsible

7) NB-1 cont'd

5.4.2 Implement Disposal Bans to Encourage Recycling

- ongoing

5.4.3 Implications of Phase 1 Policy Options

- ensure foundation of the Plan is solid

5.5.1 Continue Existing Waste Reduction Education Program

- program is being assessed
- *should remove references to NEAT (Northern Environmental Action Team) in the Plan, use a generalized name/phrase*
- engineer structure of service, education, to make it accessible to users, where is the focus – ICI/CDW. Education component needs a support mechanism.
- do more educational work with ICI/CDW

5.5.2 Promote and Support Existing Reuse Opportunities

- Ongoing

5.5.3 Partner with Retail Sector on Reusable Shopping Bag Program

- Completed

5.5.4 Develop Yard Waste Drop-Off & Composting Facilities

- there will be a location dedicated for yard waste at the North Peace Regional Landfill to divert this material from the landfill
- the City of Dawson Creek collects this material
- the District of Taylor collects the material but has no end use for it

5.6.1 Lobby Senior Government for Increased Levels of Product Stewardship

- ongoing

5.6.2 Support Existing Stewardship Programs Through Round-Up Events

- will continue with these types of events

Recess The meeting recessed at 11:15 am

Reconvene The meeting reconvened at 11:25 am

5.7.1 Provide Recycling Pilot Program for Agricultural Plastics

- agricultural producers have been asking for this service
- *staff will be bringing information back on this topic*
- should be taking a leadership role
- check with other Regional District's – would they consider shipping their agriculture plastics to us?
- need to know costs of shipping
- *add to briefing notes – take to UBCM Conference*
- are eco-fees charged on agriculture plastic (twine/wrap) products?

7) NB-1 cont'd

5.7.2 Explore Specific Education and Training Needs for Different Sectors

- ongoing

5.7.3 Develop Construction & Demolition Waste Working Group

5.7.4 Develop ICI Waste Working Group

- working group advised staff previously "tell us how much and we will do it."
- *working group needs to take different form, recommend new strategy*
- *could be same members as PMAC, same resources within that Committee*

5.7.5 PRRD Adoption of a Green Purchasing Policy

- completed

5.8 Triple Bottom Line

- *Tables 2: Summary of Triple Bottom Line Evaluations for Phase 1 needs to be updated (including financial information), curbside recycling should be added to the list*

Section 6, 6.2.1 Install Share Sheds at Existing Waste Management Sites

- Ongoing

6.2.2 Implement Incentive Based Tipping Fees

- Ongoing
- *Plan should be updated to reflect 2017 practices, not 2008*

6.2.3 Implement Disposal Bans to Encourage Recycling

- ongoing
- list of recyclable items differs between urban and rural collection sites
- list should be reworded, make it easier for all users
- controls and strict requirements, Regional District is not equipped to handle certain materials, i.e. electronics
- Regional District is receiver of materials, do not need to deal with items just take it to the next step in the diversion process

6.2.4 Implement and Enforce Disposal Quantity Limits

- ongoing

6.2.5 Implement Curbside Recycling Program in Member Municipalities

- ongoing, Fort St. John and Pouce Coupe have curbside recycling, Chetwynd is conducting a pilot project
- *what is responsibility of Regional District, it is not defined in the Plan -how will RD be involved, define roles of RD and municipalities, look at rewording last paragraph on page 38, which reads:*

"It should be noted that member municipalities should consider the relative increase or improvement in recycling recovery rates, against the expected increases in cost. In some communities where depot-based recovery rates are

relatively good, there may be some question as to whether the incremental increase in recycling costs associated with a curbside collection program are “good value for money”, based on the resulting increase in recycling rates. This will need to be determined on a case by case basis, and would likely involve specialized tracking of recycling recovery rates by municipality, to gain better insight into this issue.”

- the Plan does not say the RD has to deal with recyclables or pay for the cost, solid waste was off-loaded by the government, not recycling
- need a better handle on cost sharing with respect to recycling
- how much of a subsidy can RD afford? How equitable is it?
- need more discussion on fiscal responsibility
- layers on additional costs to RD and municipalities
- find more equitable way – provide same consistent service across the region
- Recycle BC pays for recycling at rural sites
- can rural residents be charged a different rate for recycling?
- Rural residents do not pay for some municipal services
- District of Chetwynd is conducting a pilot recycling program, would they share results with Regional District?
- *bring back for review*

Recess

The meeting recessed at 12:00 noon

Reconvene

The meeting reconvened at 12:30 pm

7) NB-1 cont'd

6.2.6

Continue Transfer Station Upgrades & Recycling in Rural Areas

6.3.1

Support Reuse and Recycling of all Building & Demolition Material

6.3.2

Develop Building Material Reuse Capacity

6.3.3

Promote Reuse & Recycling Opportunities for Business

6.3.4

Continue Working Group Pilot Programs from Phase 1

6.4.1

Identify Strategies for Reducing Landfill Gas Emissions

- all ongoing

6.4.2

Develop Transfer Station to Replace Fort St. John Landfill

- update *completed, Class 1/Class 2 should be changed to reflect current names Tier 1/Tier 2 and update costs*

6.4.3

Develop Replacement Landfill Capacity for Fort St. John Landfill

- no longer valid

6.4.4

Develop Illegal Dumping Strategy

- should be a priority
- focus on convenience and ease of use at transfer sites to reduce illegal dumping

6.5

Triple Bottom Line

- *Update table, including financial information*

Left off on page 49, Section 7

REPORTS:

- 8) R-2 re: Lone Prairie TS location
MOVED by Director Rose, SECONDED by Director Goodings, that the Solid Waste Committee recommends to the Regional Board that staff be authorized to locate a suitable property between the Lone Prairie turnoff and Chetwynd for the purposes of siting a Tier 1 Transfer Station for the residents of Lone Prairie.

CARRIED.
- 9) R-3 re: Project Grant
The Federation of Canadian Municipalities (FCM) Municipalities for Climate Innovation Program (MCIP) provides funding, training and resources to assist municipalities adapt to the impacts of climate change and reduce greenhouse gas (GHG) emissions. Part of the MCIP includes grant funding for solid waste capital projects. The capture of landfill gas is considered as a means of reducing GHG emissions and the expansion of the gas collection and control system at the North Peace Regional Landfill is eligible for a FCM grant under the MCIP. If approved, grant funding could cover 80% of capital cost for the collection and control system at the landfill. Deadline for applications is January 31, 2020.

MOVED by Director Bumstead, SECONDED by Director Goodings, That this item be deferred until after the Regional Board has heard from Pacific Northern Gas who will be appearing as a delegation at the September 7 Board meeting.

CARRIED.
- ITEMS FOR INFORMATION:**
- 10) I-1 Basecamp Review
Committee members were advised that a draft tipping fee policy will be brought forward at the October solid waste meeting.

The Waste Reduction, Promotion & Education contract awarded to the Northern Environmental Action Team (NEAT) for a term of 1 year, subject to satisfactory evaluation, is due for its review. Completion of a 6 month public consultation has taken place.

MOVED by Director Sperling, SECONDED by Director Goodings, That the Solid Waste Committee recommends to the Regional Board that the Waste Reduction, Promotion & Education service contract provided by the Northern Environmental Action Team be placed on the September 21, 2017 Committee of the Whole agenda for review and evaluation, including results of the public consultation process.

CARRIED.
- 11) I-3
Draft Financial page – for easier reference financial information for each solid waste site / facility is grouped together.

12) Mtg October 5; November 2, and December 7.
Schedule

13) Committee MOVED by Director Goodings, SECONDED by Alternate Director Deck,
Report That the recommendations from the Solid Waste Committee meeting of
August 22, 2017 be recommended to the Regional Board for approval.

CARRIED.

14) Adjournment The Chair adjourned the meeting at 2:10 pm

Director Rose,
Chair – Solid Waste Committee

Suzanne Garrett,
Corporate Services Coordinator



Peace River Regional District REPORT

To: Solid Waste Committee

Date: July 21, 2017

From: Phil Kovacs, Solid Waste Manager

Subject: Climate Mitigation Capital Project Grant

RECOMMENDATION:

That the Solid Waste Committee recommend that the Regional Board direct PRRD staff to pursue the application for a grant under the Federation of Canadian Municipalities (FCM) Municipalities for Climate Innovation Program (MCIP) to offset the cost for expanding the GCCS (gas collection and control system) network at North Peace Regional Landfill in the future.

Rationale/Background:

The Federation of Canadian Municipalities (FCM) Municipalities for Climate Innovation Program (MCIP) provides funding, training, and resources to help municipalities (including regional districts) adapt to the impacts of climate change and reduce greenhouse gas (GHG) emissions. Part of the MCIP includes grant funding for solid waste capital projects related to climate mitigation. The capture of landfill gas (LFG) is considered as a means of reducing GHG emissions and as such, the expansion of the gas collection and control system (GCCS) network at North Peace Regional Landfill (NPRL) is eligible for a FCM grant under the MCIP. If approved, the grant funding can cover 80% of capital cost for GCCS expansion up to \$1M.

The deadline for the application(s) is January 31, 2020.

OPTIONS:

Option 1:

That the Solid Waste Committee recommend that the Regional Board direct PRRD staff to pursue the application for a grant under the Federation of Canadian Municipalities (FCM) Municipalities for Climate Innovation Program (MCIP) to offset the cost for expanding the GCCS (gas collection and control system) network at North Peace Regional Landfill in the future.

Option 2:

That the Solid Waste Committee provide staff with alternative direction.

STRATEGIC PLAN RELEVANCE:

Environmental Services – Operations

Staff:

Phillip Kovacs

Dept. Head:

PA Liddell

CAO:

FINANCIAL CONSIDERATION(S):

- Financial benefit
- Cost for GCCS expansion estimated to be \$870K over the next 3 years
- Grant eligibility is for GCCS design/construction targeting 60% LFG capture (currently $\approx$ 40%)
- GCCS expansion will achieve goal of sustainable continuous operation and increase carbon offsets for GHG reduction.
- GCCS continuous operation will allow for partnership with private entities for sale of LFG

COMMUNICATIONS CONSIDERATION(S):

None

OTHER CONSIDERATION(S):

None



Peace River Regional District REPORT

To: Solid Waste Committee

Date: September 28, 2017

From: Phil Kovacs, Solid Waste Manager

Subject: Policy For Waiving Solid Waste Disposal Fees For Volunteer Organizations

RECOMMENDATION:

That the Solid Waste Committee provide feedback and suggestions with respect to the DRAFT Solid Waste Disposal Fee Policy;

AND

Recommend that the Regional Board authorize staff to incorporate the suggested changes into said policy.

BACKGROUND/RATIONALE:

As per the Board Recommendations:

NB-4

May 10, 2017 – Chris Cvik,
Chief Administrative Officer –
Recommendation from the
May 9, 2017 Solid Waste
Committee Meeting

TIPPING FEES – WAIVE REQUEST

RD/17/05/20

MOVED Director Goodings, SECONDED Director Nichols,

2. That the Board direct staff to include waiving of fees at transfer stations in the policy that Administration was directed to work on.

CARRIED.

and

RD/17/05/21

MOVED Director Rose, SECONDED Director Nichols,

That, until such time as a policy on the waiving of fees at transfer stations is completed, community groups engaged in roadside clean-up that request the waiving of tipping fees at transfer stations and landfills, be referred to their Electoral Area Director.

CARRIED.

The Environmental Services Department has provided a draft copy of the policy for waiving of solid waste disposal fees for review by the Solid Waste Committee (attached). The Environmental Services Department will work with the Finance Department to develop a procedure that will ensure a timely response to any requests from volunteer groups and non-profit organizations for the waiver of solid waste disposal fees for the cleanup of illegal dump sites.

Staff:

Phillip Kovacs

Dept. Head:

PA Liddelberg

CAO:

ALTERNATIVE OPTION:

That the Solid Waste Committee recommend that the Regional Board adopt the policy as presented for approving requests from volunteer groups and non-profit organizations to have fees waived for the disposal of solid waste generated from the cleanup of illegal dump sites.

STRATEGIC PLAN RELEVANCE:

Environmental Services – Operations

FINANCIAL CONSIDERATION(S):

Waiving of solid waste disposal fees will result in a loss of revenue to the Regional District. Staff has made provisions to track this lost revenue.

COMMUNICATIONS CONSIDERATION(S)

Disposal Fee Waiver Request Form will need to be posted on the PRRD website for public access

OTHER CONSIDERATION(S):

None

Attachments:

Attachment A:

Peace River Regional District Statement of POLICY and PROCEDURE			
Department:	Environmental Services	Policy No.	0340-??-??
Section:	Solid Waste	Issued:	TBD
Subject:	Solid Waste Disposal Fee Waiver	Effective:	TBD
Board Resolution # and Date:		Page:	1 of 3
		Replaces	
Issued by:	Phil Kovacs, Solid Waste Manager	Dated:	
Approved by:	Chris Cvik, Chief Administration Officer		

1. POLICY

- 1.1. That the Peace River Regional District (PRRD) waive for volunteer groups and non-profit organizations, all fees for the disposal of solid waste generated by cleanup activities of illegal dump sites.

2. PURPOSE

- 2.1. This Policy gives considerations of illegally dumped waste material with respect to land ownership, operating agreements, cost sharing, diversion opportunities and regional waste statistics.
- 2.2. The purpose of this Statement of Policy and Procedure is to make public the position of the PRRD Board that volunteer groups undertaking community clean up should not be financially penalized for doing so. The policy provides encouragement and support to any group that demonstrates community spirit and pride by cleaning up after others to preserve the beauty of the region. The policy will establish the conditions that must be met to allow consideration of a fee waiver of disposal fees at PRRD landfill and transfer stations, and will be accompanied by a streamlined procedure for processing of all fee waiver requests for disposal of waste collected by volunteers/non-profits on public lands and illegal dumping sites.

Subject: Solid Waste Disposal Fee Waiver	Policy #:	Page:	2 of 3
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3. SCOPE

3.1. That the Peace River Regional District (PRRD) waive for volunteer groups and non-profit organizations, all fees for the disposal of solid waste generated by cleanup activities of illegal dump sites on:

- Crown land;
- land managed by the PRRD;
- locations frequented by the public; and
- highway and rural roadsides

This policy does not apply to solid waste generated from the cleanup of illegal dump sites located on privately owned land not belonging to the PRRD.

3.2. That the policy for waiving of disposal fees for solid waste generated from cleanup activities of illegal dump sites performed by volunteer groups and non-profit organizations be applied to all active landfills and attended transfer stations under the management of the PRRD.

4. RESPONSIBILITY

- 4.1. The General Manager of Environmental Services (GMES) is responsible for approving requests from volunteer and non-profit organizations to the Environmental Services Department for a fee waiver for the disposal of solid waste generated from cleanup of illegal dump sites.
- 4.2. The GMES or designee is responsible for notifying the Finance Department of approved disposal fee waivers for solid waste transactions related to a specific account for which the charges are to be voided for a specific duration in advance of the waste arriving at the appropriate landfill/transfer station.
- 4.3. The Finance Department is responsible for notifying the appropriate solid waste site contact of approved disposal fee waivers for solid waste transactions related to a specific account for which the charges are to be voided for a specific duration in advance of the waste arriving at the appropriate landfill/transfer station.
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Subject: Solid Waste Disposal Fee Waiver	Policy #:	Page:	3 of 3
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- 4.4. The GMES or designees responsible for ensuring that the Requestor provides the necessary accounting information for tracking the solid waste transactions.

5. DEFINITIONS

- 5.1. **CLEANUP WASTE ACCOUNT:** A permanent account with identification number assigned by the PRRD Finance Department to the Requestor. The Cleanup Waste Account number is referenced by the Requestor at a landfill or transfer station for the purpose of having fees waived for the disposal of solid waste generated by the cleanup of illegal dump sites as stipulated in Section 1 of this policy. The Cleanup Waste Account number will be unique to each Requestor and have time sensitive stipulations imposed when used repeatedly by the Requestor in the future for multiple cleanup events involving illegal dump sites.
- 5.2. **DISPOSAL FEE WAIVER REQUEST FORM:** A form that is completed by the Requestor that contains the required information for consideration of a solid waste disposal fee waiver request.
- 5.3. **REQUESTOR:** The volunteer group or non-profit organization that submits an application to have tipping fees waived for cleanup of illegal dump sites as stipulated in Section 1 of this policy.

6. REFERENCES and RELATED STATEMENTS of POLICY and PROCEDURE

- 6.1. N/A

7. PROCEDURE

- 7.1. The Environmental Services Department will work with the Finance Department to develop the procedure.
-

**PEACE RIVER REGIONAL DISTRICT
DISPOSAL FEE WAIVER REQUEST FORM**



Date of Request	
Person Completing this form	
Name of Organization (performing cleanup of illegal dump site)	
Contact Information (for organization or lead spokesperson)	Phone:
	E-mail:
Solid Waste Disposal Site (transfer station or landfill where cleanup waste will be brought to)	
Start date of illegal dump site cleanup	
Completion date of illegal dump site cleanup (provide <u>last date</u> that cleanup waste will be transported to Solid Waste Disposal Site)	
Location of illegal dump site cleanup event (provide approximate description)	
Cleanup Waste Account ID Number (provide number if account is already in place)	
Electoral Area Director	

October 5, 2017



ITEM FOR INFORMATION

To: Solid Waste Committee

Date: September 25, 2017

From: Phil Kovacs, Solid Waste Manager

Subject: **Impact of Work Camp Solid Waste Generation on Regional District Resources**

RECOMMENDATION(S):

To be received as information

BACKGROUND/RATIONALE:

As per Board Recommendation:

NB-1
Director Sperling

ATCO TWO RIVERS CAMP SERVICES LTD. – RECYCLING PROGRAM

RD/16/07/27 (28)

MOVED Director Fraser, SECONDED Alternate Director Brownlee,

That the Solid Waste Committee be directed to investigate the recycling plans of ATCO Two Rivers Camp Services Ltd. and similar companies, and prepare a report, including both the financial impacts as well as impacts to PRRD landfill sites, for the Board's consideration at a future meeting.

CARRIED.

ATCO Two Rivers Camp Services Ltd. (ATCO) is a work camp located at the BC Hydro Site C Clean Energy Project (Site C) and provides residential and institutional services for contractors and employees working on the Site C construction project. ATCO is one of two solid waste management systems in place at Site C that promotes waste diversion through a recycling program. The other solid waste management system in place at Site C is operated by Peace River Hydro Partners (PRHP) to manage the solid waste and recyclable materials generated by construction activities.

During 2016, solid waste generated by PRHP and ATCO was transported to the North Peace Regional Landfill (NPRL) by the same contractor (Transporter) that conveyed the recyclable materials generated by both entities to the Eco-Depot Recycling Centre (Eco-Depot), the PRRD recycling contractor at that time¹.

PRRD staff requested data for the solid waste generation and diversion of recyclable materials during 2016 from ATCO and PRHP. At the time of this report, the 2016 data for the solid waste program operated by PRHP had not yet been received.

ATCO Two Rivers Solid Waste Management During 2016

ATCO provided quantities for solid waste generated and recyclable materials diverted from the landfill during 2016 which is summarized below in Table 1. The quantity of recyclable materials provided was volume-based and later, with the assistance of the Transporter, was converted from volume to weight by PRRD staff. The Transporter determined an average weight for each of the three ATCO recyclable

¹As of April 1, 2017, the designated recycling contractor for the PRRD transitioned from Eco-Depot to Recycle-It Resource Recovery (R3).

waste streams (cardboard, mixed plastics, and metals) of interest to the PRRD by weighing several loads of known volume².

R-3

Table 1 - Solid Waste Generated By ATCO Two Rivers Work Camp During 2016		
	Quantity (metric tonnes)	% Composition (by weight)
General Solid Waste	276.88	83.5%
Recyclable Materials		
Cardboard*	37.60	11.3%
Plastics*	7.60	2.3%
Metals*	5.10	1.5%
Kitchen Grease**	4.59	1.4%
Total =	331.77	100.0%
*Tonnage estimated using densities provided by transporter		
**Conversion to tonnage determined using literature value of 7.5 lbs/gal for density.		

The results indicate that the ATCO work camp had an approximate 16.5% solid waste diversion rate during 2016 and that nearly 70% of the material recycled was cardboard³.

The quantity of solid waste landfilled at NPRL during 2016 was 26,393.52 metric tonnes. As such, the contribution from ATCO alone to the total solid waste disposed at NPRL during 2016 would be about 1.05%. If the solid waste generation from ATCO was to remain consistent over the remaining life of the NPRL site, the solid waste contribution from the ATCO portion of Site C alone would shorten the life of NPRL by approximately 4½ months⁴. According to ATCO management staff, the average population of the work camp during 2016 was approximately 800. This would indicate a work camp annual solid waste generation rate of approximately 307.64 kg/person excluding recyclable materials⁵.

A review by PRRD staff of the transactions conducted by the Transporter at NPRL during 2016 revealed that upwards of 80% of the waste disposed was segregated and less than approximately 20% of the waste disposed was mixed waste. Applying the tipping fees for segregated regular waste (\$55/tonne) and mixed waste (\$110/tonne) resulted in a revenue of \$18,274.08⁶. In 2016, the annual operating cost at NPRL amounted to about \$47/m³ of solid waste placed in the landfill or \$67.27/metric tonne⁷. Therefore the gross cost incurred by the PRRD for the disposal of the ATCO solid waste in 2016 would have amounted to approximately \$18,625.72 resulting in a net cost for disposal of the 2016 ATCO solid waste of approximately \$350. In terms of waste “tipping” fees, it very probable that the PRRD received adequate compensation from ATCO to cover the operational costs for disposal of solid waste at NPRL during 2016.

For the ATCO cardboard, plastic, and metal recyclable materials taken to the Regional District (RD) recycling contractor during 2016, the costs incurred to the RD is estimated to be \$19,243.12 to process

²Kitchen grease generated by ATCO during 2016 was not processed by Eco-Depot nor did the PRRD pay for the costs to process the kitchen grease for recycling.

³The PRRD exhibited a solid waste diversion rate of 26.5% during 2016.

⁴The annual airspace consumption rate observed for NPRL during 2016 was 36,714 m³/year along with a compaction density of 0.70 metric tonnes/m³. These results indicate a remaining life for NPRL of 36.9 years as of May, 2017.

⁵For comparison, the average annual disposal rate for BC during 2015 was 497 kg/person and within the PRRD was about 800 kg/person (includes residential, institutional, commercial, light industrial, and construction-related waste).

⁶The disposal rate applied to the Site C work camp general solid waste transported to NPRL was verified by PRRD staff through a review of the records and transactions for the solid waste transporter.

⁷Cost of airspace does not consider closure/post-closure (C/PC) costs, capital projects such as expansion of the gas collection and control system (GCCS) and infrastructure for landfill gas-to-energy (LFGTE) projects, and financial gains from the sale of LFG. If C/PC costs are considered, the cost of airspace at NPRL is approximately \$86/m³ or \$122/metric tonne.

these materials. A breakdown of the recycling costs estimated for the processing of each material is provided in Table 2 below.

Table 2 - Estimated Processing Cost Paid By PRRD For Recyclable Materials Generated At ATCO Two Rivers Work Camp During 2016			
Recyclable Material	Quantity (metric tonnes)	Processing Cost (per metric tonne)	Total Processing Cost For Material
Cardboard	37.60	\$ 162.82	\$6,121.22
Mixed Plastics	7.60	\$1,426.17	\$10,838.89
Metals	5.10	\$ 447.65	\$2,283.02
Total =	50.30		\$19,243.12

R-3

The total processing cost of each recyclable material was determined from volumes and approximate densities of the recyclable materials that were provided by the Transporter. Any uncertainty in the total processing cost is expected to be directly related to the accuracy of the determination of the material density by the Transporter. The revenue received by the PRRD for the recycling of the mixed plastics and metals generated during 2016 by ATCO was found to be negligible. The results of the above analyses suggests that during 2016 the RD may have incurred a cost for management of the solid waste and recyclable materials generated by the ATCO work camp on the order of \$19K.

It should be noted that there are two changes that occurred in 2017 that would impact the cost borne by the PRRD for management of the recyclable materials generated by the ATCO work camp. In the 2nd quarter 2017, the PRRD awarded the contract for processing recyclable materials to another recycling contractor (Recycle-It Resource Recovery [R3]). Since the Transporter is continuing to carry recyclable materials generated by ATCO to Eco-Depot, the PRRD is not bearing the costs for processing the ATCO recyclable materials. If in the future, the ATCO recyclable material is brought to the PRRD designated recycling contractor, the PRRD may need to pursue compensation from ATCO for processing the facility's recyclable materials. Another change that occurred this year is that the PRRD will start to receive revenue from the recycling of cardboard material which is typically the largest stream of recyclable materials generated by the ATCO facility. Should the ATCO recyclable material be brought to the PRRD designated recycling contractor in the future, part of the cost for processing of the recyclable materials would be offset by the revenue gained from the recycling of the cardboard waste stream.

Solid Waste Generation By Other Work Camps Within The PRRD

To assist with the estimation of the solid waste generation from all the work camps in the Regional District (RD), PRRD staff requested data from the BC Oil & Gas Commission (OGC) and was provided with the locations of work camps that were permitted within the RD in the last two years⁸. Communication with the OGC indicated that the typical duration of a construction-related work camp can be from ½ to 2 years once established. Data regarding the population of the individual work camps was not tracked by the OGC and therefore not available. A map showing the locations of the work camps permitted by the OGC within the RD since January 1, 2017 is provided as an attachment. The work camps were assigned to three "landfill service areas" based on the transportation distance to the nearest of the three existing landfills in the RD. The designation of the three landfill areas loosely followed the designated electoral area for which the landfill service area was situated within the RD.

⁸As a caveat, the total number of work camps permitted by the OGC may include work camps that have yet to be established or have already been decommissioned.

As of July, 2017 there was a total of 27 work camps in the RD that was permitted by the OGC since January 1, 2017. The delineation of work camps within each Landfill Service Area is as follows:

- Landfill Service Area B = 20 work camps (NPRL)
- Landfill Service Area D = 4 work camps (Bessborough Landfill)
- Landfill Service Area E = 3 work camps (Chetwynd Landfill)

R-3

Extrapolation of a per capita solid waste generation rate for a large work camp (i.e. ATCO) to represent the per capita solid waste generation rate for a small work camp is expected to introduce additional uncertainty because of the huge population difference. A conservative population range for each work camp of 10 to 30 people can be assumed along with the solid waste generation rate determined for ATCO (307.64 kg/person) to provide a crude indication of the impact on the NPRL airspace from work camps utilizing that landfill for disposal. Using the assumptions discussed above suggest that the work camps utilizing NPRL for disposal may have contributed to as much as 1.2% to 1.9% of the airspace consumed during 2016. This estimate assumes the NPRL 2016 operational disposal cost of \$67.27/ton previously discussed and did not consider additional closure/post-closure (C/PC) costs associated with the operation over the life of the landfill.

It is difficult to make analogies regarding the impact of recyclable materials generated from work camps on the RD solid waste management program. It is expected that the recycling program and diversion rates for a small work camp will be different than for a large facility. For the ATCO work camp, the per capita cost to the PRRD for processing the recyclable materials during 2016 works out to approximately \$24 per camp resident. This expenditure involving recyclable materials per work camp capita can be applied to other large work camps that are comparable in size to ATCO.

In summary, the following items are noted:

- During 2016, the PRRD subsidized the processing of recyclable materials generated by ATCO in the amount of approximately \$19K. The recyclable materials generated by ATCO are not currently being processed by the RD but could change if the transporter for ATCO were to start bringing the recyclable materials to the RD designated recycling contractor instead of Eco-Depot.
- The solid waste generated by ATCO in 2016 amounted to only 1% of the total landfill airspace consumed at NPRL during that year. The revenue generated from fees for the disposal of the ATCO solid waste in 2016 was effectively the same as the operating cost for disposal of the solid waste.
- The limited analysis provided in this report appears to suggest that solid waste generated by these work camps will have a minimal impact on landfill airspace consumption in the PRRD.

OPTIONS:

N/A

STRATEGIC PLAN RELEVANCE:

N/A

FINANCIAL CONSIDERATION(S):

Results indicate that the RD is subsidizing the solid waste management costs for large work camps that do not pay property taxes.

COMMUNICATIONS CONSIDERATION(S):

N/A

R-3

OTHER CONSIDERATION(S):

N/A

Attachments:

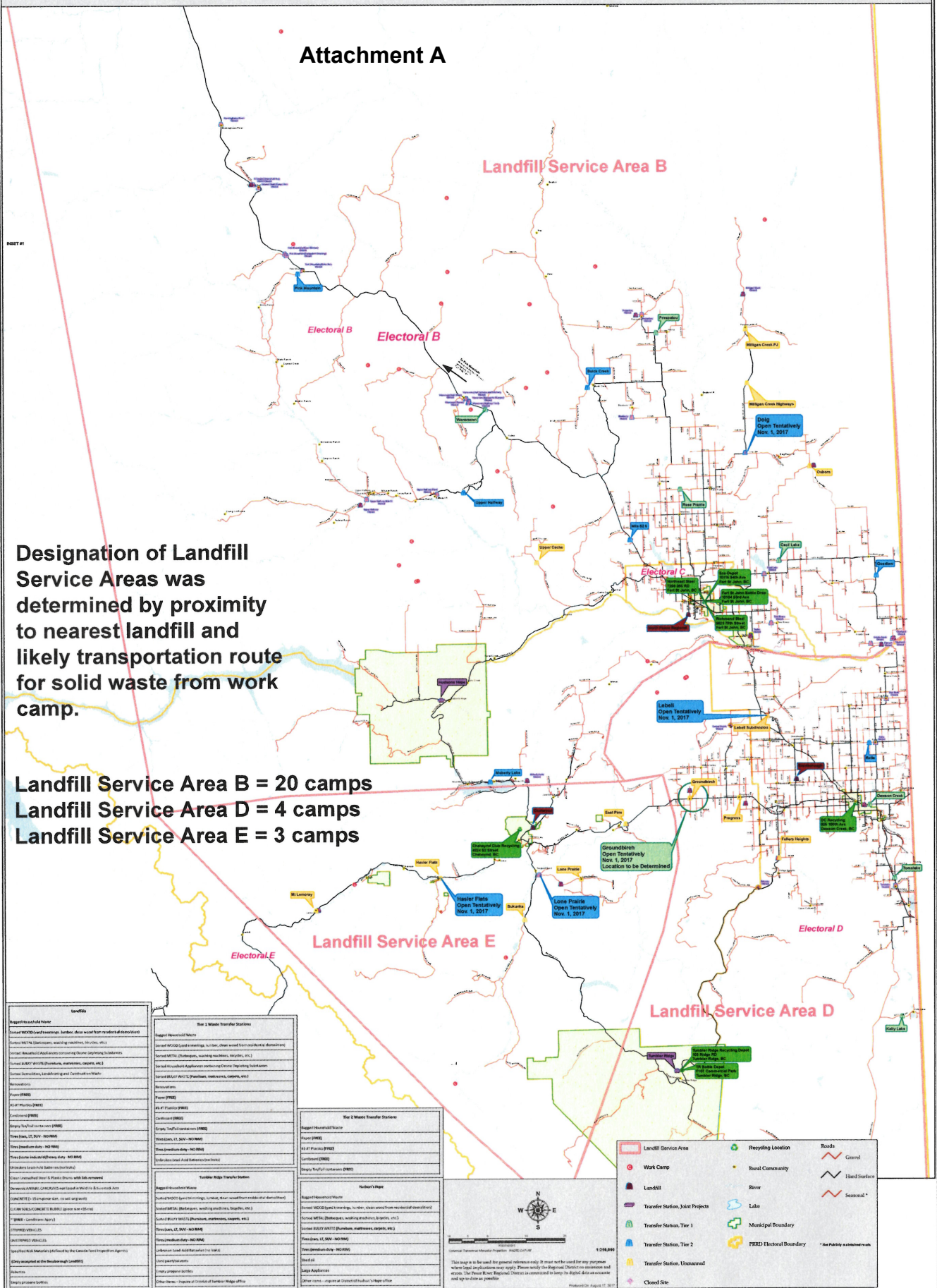


BCOGC Work Camps Permitted Within Last 2 Years in the Peace River Regional District



R-3

Attachment A





ITEM FOR INFORMATION

To: Solid Waste Committee

Date: September 20, 2017

From: Loryn Day, Solid Waste Coordinator

Subject: **Waste Composition Study – 2nd Sampling Event Results**

RECOMMENDATION(S):

To be received as information

BACKGROUND/RATIONALE:

Further to the report entitled Waste Composition Study – 1st Sampling Event Results presented at the August 2017 Solid Waste Committee Meeting and the direction provided by the following Regional Board resolutions:

R-3

October 18, 2016 – Director
Dan Rose, Chair, Solid
Waste Committee –
Recommendations from the
October 6, 2016 Solid Waste
Committee Meeting

WASTE COMPOSITION STUDY (Recommendation No. 1)

RD/16/10/17 (27)

MOVED Director Rose, SECONDED Director Bumstead,

That staff be authorized to issue a Waste Composition Study Request for Proposal, to be conducted at Regional District landfills, to establish a baseline understanding of the solid waste stream composition, identify major avenues for waste diversion and reduction, set a benchmark for comparison with future audits, provide insight into the portion of the overall community waste stream not deposited at landfills and measure success of the various stewardship programs.

CARRIED.

AND

R-5

January 13, 2017 – Paulo
Eichelberger, General
Manager of Environmental
Services –
Recommendations from the
Solid Waste Committee
Meeting of January 5, 2017

WASTE COMPOSITION STUDY – CONTRACT AWARD (Recommendation No. 4)

RD/17/01/20 (26)

MOVED Director Fraser, SECONDED Director Ackerman,

- a) That the Waste Composition Study contract be awarded to Tetra Tech EBA Inc., in the amount of \$121,712.32, excluding taxes; and
- b) That the Chair and Chief Administrative Officer be authorized to sign the contract on behalf of the Regional District.

CARRIED.

The purpose of this report is to provide a summary of results and observed data trends for the second sampling event conducted as part of the year-long Waste Composition Audit in progress. The second sampling event performed by Tetra Tech Canada Inc. (Tetra Tech) occurred from July 24 to August 2, 2017 and focused on the composition of waste received at the three landfills within the Peace River Regional District (PRRD). As with the first sampling event, the second sampling event also audited waste loads that were selected at random from the following sources:

- Residential Curbside pick-up
- Attended transfer stations
- Direct residential drop-off
- ICI (Industrial, Commercial, and Institutional) sources
- ICI generated from work camps
- CDL (construction, demolition, and land clearing) activities

October 5, 2017

Staff Initials: LD

Dept. Head:

PA Eichelberger

CAO:

Page 1 of 5

The average composition of residential-related solid waste that was audited during the two sampling events are summarized below in Table 1:

Table 1 - Composition of Residential Solid Waste (% by Weight)						
PRRD Waste Composition Audit - 1st and 2nd Sampling Event Comparison						
Solid Waste Category	Residential (Curbside Collection)		Residential (Direct Drop-Off At Landfill)		Residential (Transfer Stations - Combined)	
	1st	2nd	1st	2nd	1st ¹	2nd²
Paper	17.0%	17.6%	5.8%	15.8%	10.7%	23.2%
Plastic	10.5%	12.8%	14.5%	6.4%	8.7%	24.9%
Compostable Organics	43.5%	33.0%	14.7%	6.3%	39.9%	25.6%
Non-compostable Organics	0.4%	2.0%	3.9%	6.4%	0.9%	11.6%
Textiles	5.6%	6.9%	5.7%	1.3%	15.7%	15.6%
Metals	2.1%	3.5%	5.2%	4.9%	3.0%	13.4%
Glass	3.5%	3.9%	2.7%	1.5%	1.5%	19.8%
Building Material	0.2%	3.2%	16.8%	17.1%	0.4%	12.6%
Electronic Waste	1.1%	2.7%	1.8%	0.5%	1.9%	12.0%
Household Hazardous	1.2%	1.2%	0.4%	0.7%	0.2%	13.9%
Household Hygiene	12.8%	12.4%	3.9%	1.1%	11.6%	35.0%
Bulky Objects	0.0%	0.0%	10.2%	24.1%	2.9%	0.7%
Agricultural Waste	0.9%	0.0%	0.0%	0.6%	0.0%	0.5%
Fines and Garbage Bags ³	1.0%	0.8%	14.5%	13.3%	2.5%	1.0%

¹Solid waste generated from unattended transfer stations. No loads were received from attended transfer stations

²Solid waste generated from both attended and unattended transfer stations

³Fines (see attachment for definition) and Garbage Bags were categorized together in the second sampling event.

The results from the second sampling event, indicate that waste originating from a municipal curbside collection program consists primarily of compostable organics, plastic, paper, and household hygiene related waste. For waste originating from transfer stations, the amount of plastics, paper, and household hygiene related waste increased compared to the first sampling event. However, the portion of compostable organics observed in waste originating from curbside collection and transfer stations was approximately 10% lower than what was observed in the first sampling event.

Composition of waste originating from residential direct drop-off at landfills varied between the two sampling events. During the first sampling event, waste from this source consisted primarily of building material, compostable organics, plastics, household garbage, and bulky objects. However during the second sampling event, the waste from this source consisted primarily of bulky objects, building materials, and paper. In both sampling events, nearly 10% of the composition of bulky waste was attributed to carpeting.

During the second sampling event, Tetra Tech was able to audit two loads originating from attended transfer stations and one load originating from an unattended transfer station. The results indicate that residential solid waste originating from the attended and unattended transfer stations are quite

different, as illustrated in Table 2. For attended transfer stations, the composition of waste consisted primarily of compostable organics, household hygiene related waste, plastics, and paper, similar to that originating from residential curbside sources. For unattended transfer stations the composition of waste primarily consisted of glass, household hygiene related waste, and building material, similar to waste originating from ICI General sources. The composition of waste originating from the unattended transfer station is different than what was experienced in the first sampling event. Conclusions cannot be drawn from the audit conducted on this single sample and it is expected that additional samples obtained from the third and fourth sampling events will provide more definitive results.

Table 2 - Composition of Residential Solid Waste from Transfer Stations (% by Weight)						
PRRD Waste Composition Audit - 1st and 2nd Sampling Event Comparison						
Solid Waste Category	Residential (Unattended Transfer Station)		Residential (Attended Transfer Station)		Residential (Transfer Stations - Combined)	
	1st	2nd	1st	2nd	1st	2nd
Paper	10.7%	16.2%	N/A	7.0%	10.7%	23.2%
Plastic	8.7%	17.1%	N/A	7.8%	8.7%	24.9%
Compostable Organics	39.9%	21.5%	N/A	4.1%	39.9%	25.6%
Non-compostable Organics	0.9%	1.1%	N/A	10.5%	0.9%	11.6%
Textiles	15.7%	8.7%	N/A	6.9%	15.7%	15.6%
Metals	3.0%	4.3%	N/A	9.1%	3.0%	13.4%
Glass	1.5%	2.7%	N/A	17.1%	1.5%	19.8%
Building Material	0.4%	0.1%	N/A	12.5%	0.4%	12.6%
Electronic Waste	1.9%	4.7%	N/A	7.3%	1.9%	12.0%
Household Hazardous	0.2%	3.9%	N/A	10.0%	0.2%	13.9%
Household Hygiene	11.6%	18.8%	N/A	16.2%	11.6%	35.0%
Bulky Objects	2.9%	0.0%	N/A	0.7%	2.9%	0.7%
Agricultural Waste	0.0%	0.5%	N/A	0.0%	0.0%	0.5%
Fines and Garbage Bags ¹	2.5%	0.2%	N/A	0.8%	2.5%	1.0%

¹Fines and Garbage Bags were categorized together in the second sampling event.

The average composition of the waste originating from all ICI and CDL sources, including work camps, as audited in the two sampling events are summarized in Table 3.

As with the first sampling event, results of the second sampling event indicated that the waste originating from ICI General and CDL sources was primarily compostable organics, building material, paper, and non-compostable organics. Tetra Tech observed that during the spring sampling event a higher portion of ICI General Loads that arrived at the landfills appeared to come from commercial businesses (restaurants, stores, etc.) while in the second sampling event the ICI General waste appeared to originate from manufacturing sources and potential agricultural properties. It was also observed during the second sampling that loads of ICI General waste audited were found to have a higher percentage of construction and renovation waste.

The composition of waste originating from CDL sources varied between sampling events. During the second sampling event, waste was primarily composed of building material, which increased by nearly 25% between sampling events. Tetra Tech did observe that one load of CDL that was audited was primarily insulation.

The results indicated that the ICI Work Camp waste primarily consisted of compostable organics, paper, plastic, and building materials. However, unlike the ICI General and residential curbside sectors, the amount of compostable organics remained similar between sampling events. The amount of avoidable food waste¹ increased from 23% to 29%. During the first sampling event it was observed that waste originating from the ICI Work Camps had high portions of textiles and deposit based beverage containers, however this was not noticed in the second sampling event.

Table 3 - Composition of Industrial, Commercial, and Institutional Solid Waste (% by Weight)						
PRRD Waste Composition Audit - 1st and 2nd Sampling Event Comparison						
Solid Waste Category	ICI (General)		ICI (Work Camps)		CDL	
	1st	2nd	1st	2nd	1st	2nd
Paper	22.6%	15.7%	14.8%	21.6%	5.8%	2.0%
Plastic	12.9%	12.6%	14.5%	10.4%	8.4%	2.8%
Compostable Organics	32.1%	17.2%	43.4%	41.7%	15.9%	9.6%
Non-compostable Organics	3.2%	7.9%	2.5%	0.5%	22.1%	7.3%
Textiles	5.6%	6.4%	13.2%	2.1%	2.3%	0.8%
Metals	2.7%	3.2%	5.2%	1.0%	2.5%	6.9%
Glass	1.1%	0.2%	0.6%	0.0%	0.0%	2.2%
Building Material	5.3%	15.7%	0.6%	10.3%	33.6%	57.0%
Electronic Waste	0.6%	4.4%	0.6%	0.2%	0.2%	1.0%
Household Hazardous	0.6%	1.1%	1.0%	0.0%	0.1%	0.2%
Household Hygiene	11.1%	1.2%	0.6%	0.0%	0.0%	0.0%
Bulky Objects	0.3%	5.6%	0.0%	4.1%	0.3%	5.9%
Agricultural Waste	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fines and Garbage Bags ¹	2.1%	8.4%	3.0%	8.1%	9.2%	4.2%

¹Fines and Garbage Bags were categorized together in the second sampling event.

A trend evident in both sampling events is that compostable waste is a primary component in all sectors audited, followed by paper, plastic, and building materials. At the end of all sampling events Tetra Tech will prepare a report that will average the results from all waste sectors together to determine the overall amount of each type of material from all sectors.

The third sampling event for the waste composition audit will be performed at the landfills during the month of October 2017.

OPTIONS:

N/A

¹ Avoidable Food Waste: whole fruits and vegetables, meats, bread, prepared meals

STRATEGIC PLAN RELEVANCE:

N/A

FINANCIAL CONSIDERATION(S):

N/A

COMMUNICATIONS CONSIDERATION(S):

N/A

OTHER CONSIDERATION(S):

The results and trends indicated in this report are preliminary until the full study is completed. There are two subsequent sampling events forthcoming, and waste composition is expected vary.

Attachments:

APPENDIX B

ALL CATEGORY COMPOSITION

Categories	Single-Family Residential	Industrial, Commercial, & Institutional	Work Camp	Construction & Demolition	Drop-Off	Transfer Station (Manned)	Transfer Station (Unmanned)
Paper							
01 Deposit beverage containers	0.1%	0.0%	0.4%	0.0%	0.2%	0.4%	0.6%
02 Newsprint	0.6%	0.2%	1.5%	0.0%	0.8%	0.1%	0.6%
03 Printed paper	1.5%	0.9%	1.4%	0.0%	7.0%	0.8%	0.8%
04 Books	0.8%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%
05 Corrugated cardboard	0.5%	4.7%	5.6%	1.2%	3.8%	1.1%	1.2%
06 Packaging – dry goods	1.5%	1.1%	0.3%	0.6%	1.0%	2.1%	1.2%
07 Paper packaging – polycoat liquid cups and containers	0.9%	1.4%	3.4%	0.0%	0.2%	0.4%	0.7%
08 Paper packaging – cartons and containers	1.4%	0.4%	0.4%	0.2%	0.1%	0.1%	0.6%
09 Compostable and food soiled paper	9.2%	2.1%	8.2%	0.0%	2.4%	9.3%	1.0%
10 Other non-recyclable paper	1.1%	4.8%	0.4%	0.0%	0.4%	2.1%	0.2%
Total Paper	17.6%	15.7%	21.6%	2.0%	15.8%	16.2%	7.0%
Plastic							
11 Deposit beverage containers	0.5%	0.4%	0.5%	0.1%	0.3%	0.2%	0.3%
12 Recyclable rigid plastic packaging (#1 -7) plant pots and other	4.1%	2.4%	3.5%	0.3%	3.7%	4.6%	1.4%
13 Styrofoam (#6 PS foam)	0.7%	0.4%	0.3%	0.3%	0.1%	0.3%	0.2%
14 Recyclable film packaging – # 2 HDPE and # 4 LDPE	1.7%	1.5%	1.4%	0.1%	0.5%	3.2%	0.7%
15 Other film and packaging	3.4%	2.5%	2.0%	0.4%	1.0%	3.7%	0.9%
16 Other rigid plastics and products	2.4%	5.4%	2.5%	1.6%	0.9%	4.9%	4.4%
17 Compostable plastics	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Plastic	12.8%	12.6%	10.4%	2.8%	6.4%	17.1%	7.8%
Compostable Organics							
18 Yard and garden	3.1%	0.3%	0.0%	2.2%	0.1%	0.1%	0.0%
19 Food waste – backyard compostable (unavoidable)	12.4%	5.0%	9.7%	0.0%	3.3%	6.4%	1.7%
20 Food waste – non-backyard compostable (unavoidable)	0.6%	0.0%	0.8%	0.0%	0.5%	0.3%	0.2%
21 Food waste – avoidable	16.5%	9.1%	29.4%	0.0%	1.4%	14.6%	2.1%
22 Clean wood	0.5%	2.8%	1.9%	7.4%	0.8%	0.0%	0.0%
Total Compostable Organics	33.0%	17.2%	41.7%	9.6%	6.3%	21.5%	4.1%

Categories	Single-Family Residential	Industrial, Commercial, & Institutional	Work Camp	Construction & Demolition	Drop-Off	Transfer Station (Manned)	Transfer Station (Unmanned)
Non-compostable Organics							
23 Treated wood	1.1%	1.3%	0.0%	0.3%	2.4%	0.3%	4.2%
24 Painted and finished wood	0.3%	4.7%	0.0%	7.0%	3.9%	0.0%	5.6%
25 Rubber	0.2%	1.7%	0.4%	0.0%	0.1%	0.5%	0.6%
26 Other	0.3%	0.1%	0.0%	0.0%	0.0%	0.3%	0.0%
Total Non-compostable Organics	2.0%	7.9%	0.5%	7.3%	6.4%	1.1%	10.5%
Textiles							
27 Clothing and household	3.7%	0.6%	0.8%	0.0%	0.7%	4.9%	4.6%
28 Composites and Items	2.7%	4.6%	0.7%	0.0%	0.4%	2.8%	0.5%
29 Other	0.5%	1.2%	0.6%	0.8%	0.2%	1.0%	1.9%
Total Textiles	6.9%	6.4%	2.1%	0.8%	1.3%	8.7%	6.9%
Metals							
30 Deposit beverage containers	0.5%	0.1%	0.4%	0.0%	0.2%	0.2%	0.1%
31 Other packaging	1.0%	0.2%	0.1%	0.0%	0.5%	3.1%	0.2%
32 Other metal	2.1%	2.9%	0.5%	6.9%	4.3%	1.1%	8.7%
Total Metals	3.5%	3.2%	1.0%	6.9%	4.9%	4.3%	9.1%
Glass							
33 Deposit beverage containers	1.4%	0.2%	0.0%	0.0%	0.7%	0.8%	1.7%
34 Other containers	1.5%	0.1%	0.0%	0.0%	0.3%	1.3%	0.1%
35 Other glass	1.0%	0.0%	0.0%	2.2%	0.5%	0.7%	15.3%
Total Glass	3.9%	0.2%	0.0%	2.2%	1.5%	2.7%	17.1%
Building Material							
36 Gypsum/drywall, plaster	1.2%	0.9%	0.0%	8.6%	0.1%	0.1%	3.1%
37 Masonry and rubble	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
38 Asphalt products	0.0%	0.0%	4.6%	0.0%	0.0%	0.0%	0.0%
39 Carpet	0.3%	1.6%	0.0%	10.4%	9.8%	0.1%	4.8%
40 Other flooring	1.3%	1.2%	0.0%	0.5%	0.9%	0.0%	0.7%
41 Insulation	0.4%	0.6%	3.8%	26.8%	0.3%	0.0%	0.8%
42 Other building material	0.0%	11.4%	1.8%	10.7%	6.0%	0.0%	3.1%
Total Building Material	3.2%	15.7%	10.3%	57.0%	17.1%	0.1%	12.5%

Categories	Single-Family Residential	Industrial, Commercial, & Institutional	Work Camp	Construction & Demolition	Drop-Off	Transfer Station (Manned)	Transfer Station (Unmanned)
Electronic Waste							
43 Computers and peripherals	0.9%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
44 TV and Audio/video equipment	1.0%	0.3%	0.0%	0.7%	0.0%	0.3%	4.4%
45 Telephones and telecommunications equipment	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	0.7%
46 Lighting equipment	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
47 Smoke/CO alarms/thermostats	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
48 Electronic toys	0.2%	1.6%	0.0%	0.0%	0.1%	0.0%	0.0%
49 Small appliances and power tools	0.4%	1.8%	0.0%	0.1%	0.1%	4.2%	0.7%
50 Other electronics	0.1%	0.6%	0.1%	0.2%	0.1%	0.2%	1.4%
Total Electronic Waste	2.7%	4.4%	0.2%	1.0%	0.5%	4.7%	7.3%
Household Hazardous							
51 Batteries	0.2%	0.0%	0.0%	0.0%	0.1%	0.5%	0.0%
52 Light bulbs	0.0%	0.0%	0.0%	0.0%	0.4%	0.2%	0.0%
53 Oil and antifreeze	0.0%	1.0%	0.0%	0.0%	0.0%	0.4%	0.0%
54 Paint	0.4%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
55 Pesticides	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
56 Medications	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
57 Other non-hazardous waste	0.5%	0.2%	0.0%	0.0%	0.0%	1.9%	0.0%
58 Other hazardous waste	0.1%	0.1%	0.0%	0.2%	0.2%	0.2%	0.2%
Total Household Hazardous	1.2%	1.4%	0.0%	0.2%	0.7%	3.9%	0.1%
Household Hygiene							
59 Diapers	6.6%	1.1%	0.0%	0.0%	0.5%	3.0%	15.4%
60 Pet waste	5.1%	0.1%	0.0%	0.0%	0.6%	13.3%	0.6%
61 Medical waste and other	0.7%	0.0%	0.0%	0.0%	0.0%	2.5%	0.1%
Total Household Hygiene	12.4%	1.2%	0.0%	0.0%	1.1%	18.8%	16.2%
Bulky Objects							
62 White goods, furniture	0.0%	5.6%	4.1%	5.9%	24.1%	0.0%	0.7%
Total Bulky Objects	0.0%	5.6%	4.1%	5.9%	24.1%	0.0%	0.7%

Categories	Single-Family Residential	Industrial, Commercial, & Institutional	Work Camp	Construction & Demolition	Drop-Off	Transfer Station (Manned)	Transfer Station (Unmanned)
Agricultural Waste							
63 Identified farm waste	0.0%	0.0%	0.0%	0.0%	0.6%	0.5%	0.0%
Total Agricultural Waste	0.0%	0.0%	0.0%	0.0%	0.6%	0.5%	0.0%
Unidentifiable Waste							
64 Fines and garbage bags	0.8%	8.4%	8.1%	4.2%	13.3%	0.2%	0.8%
Total Unidentifiable Waste	0.8%	8.4%	8.1%	4.2%	13.3%	0.2%	0.8%

OUTSTANDING SOLID WASTE ITEMS

For review at the October 5, 2017 Solid Waste Committee meeting

I-1

OUTSTANDING FOLLOW UP ITEMS OVER THE PAST QUARTER:	
JULY 27, 2017 REGIONAL BOARD MEETING	
1.	That staff be authorized to investigate the latest innovations in solid waste disposal which could be implemented as a means of improving landfill operations and efficiencies.
2.	That the June 28/17 report regarding conversion of the TR and HH solid waste transfer stations into a designated Tier 1 transfer station be tabled to the Aug 3/17 SWC mtg; and b) That staff be authorized to speak with the respective municipalities to obtain their comments and concerns with respect to converting their transfer station sites.
3.	That recycling options for agriculture plastics be expanded to include horticulture and industrial plastics.
MAY 25, 2017 REGIONAL BOARD MEETING	
4.	Doig / Milligan / Osborn Tier 2 Transfer Station Pilot Project - That a pilot project be initiated at the Doig / Milligan / Osborn Transfer Station to implement 24/7 access via a man gate and further, that surveillance equip be installed at the site.
MAY 11, 2017 REGIONAL BOARD MEETING	
5.	That staff include waiving of fees at transfer stations in the policy that Administration was directed to work on.
6.	That, until such time as a policy on the waiving of fees at transfer stations is completed, community groups engaged in roadside cleanup that request the waiving of tipping fees at transfer stations and landfills, be referred to the EA Director.
FEBRUARY 23, 2017 REGIONAL BOARD MEETING	
7.	That staff be authorized to prepare a report, for the April SWC mtg, providing background summary and review of current waste and recycling arrangements at the TR Transfer Station, said report to identify operational efficiencies for the development of consistent region-wide delivery of services. Update May 9, 2017: in progress
8.	a) That the RB renew its SW agreements with its municipal partners; and b) That staff be authorized to review all of the SW agreements with respect to fairness, consistency, level of same service and how these agreements meet the parameters/criteria established in the RSWMP. Update May 9, 2017: in progress
JANUARY 12, 2017 REGIONAL BOARD MEETING	
9.	That staff create a policy for the waiving of fees at Regional District landfills. Update August 22, 2017: draft policy to be reviewed by Committee at October 5th meeting.
OUTSTANDING FOLLOW UP ITEMS – GREATER THAN THREE MONTHS:	
10.	a) That the Waste Reduction, Promotion & Education Program Contract be awarded to NEAT, for a 1 year term beginning Jan 1/17; and b) Subject to a satisfactory review/evaluation of the program; and c) That the completion of a 6 month public consultation process be conducted w/residents across the region, to determine their desire for diversion programs, with said consultation to take place prior to the program review / evaluation. Update August 22, 2017 - forward to September COW meeting for review

OUTSTANDING FOLLOW UP ITEMS – GREATER THAN THREE MONTHS: continued

11.	SW Customer Satisfaction Survey - That staff be directed to expand the existing “app” located on the Environmental Services “garbage and recycling” page of the PRRD website to provide residents an opportunity to forward comments or questions, on a continual basis, with respect to solid waste. Update May 9, 2017: staff to provide report for SWC meeting in July
12.	That the SW PMAC be directed to amend its ToR so that contractors who are Committee members exclude themselves from meetings that may place them in conflict of interest. Update May 9, 2017: ToR revision drafted, need to determine next PMAC meeting date
13.	Director Sperling - ATCO Two Rivers Camp Services Ltd - That the SWC be directed to investigate the recycling plans of ATCO Two Rivers Camp Services Ltd. and similar companies, and prepare a report, including both the financial impacts as well as impacts to PRRD LF sites, for the Board’s consideration at a future mtg. Update May 9, 2017: in progress
14.	MoE Invitation - That MoE be invited to the fall mtg of the SWC to provide an overview on the implications of undertaking a complete review of the Regional SWMP. That, prior to extending an invitation to the MoE to attend its fall mtg, the SWC review the SWMP. Update May 9, 2017: still reviewing Regional SWMP, once complete will invite MoE to meeting.
15.	Tipping Fee Incentives - That staff be authorized to prepare a report which explores options for promoting and providing incentives for waste reduction, diversion and recycling incl the options of developing additional tipping fee incentives as well as eliminating tipping fees. Update May 9, 2017: Staff to prepare a report on this topic after completion of the Waste Composition Study.
16.	Share Sheds - That staff investigate the feasibility of creating share areas for the distribution of wooden pallets that are taken to landfills and transfer stations. Update May 9, 2017: Staff directed to start a pilot project re: acceptance of pallets at Buick Creek, Cecil Lake, Rolla and Tomslake. Staff to report back to Committee by end of the year.
17.	Recycling of Ag Plastics - 2) That ID of recycling options for ag plastics be given priority under the SWMP. Update May 9, 2017: Investigate options with Recycle It Resource Recovery and report back.

Summary of revisions/updates to the Regional Solid Waste Management Plan

April 6 Solid Waste Committee Meeting

Summary:

- recycling – not everyone participating (convenience stores, multi-residential), costs for separated versus mixed loads are not high enough to encourage recycling
- recycling fees would be passed onto consumer by convenience store, as these fees would need to be recouped
- multi-residential – building managers are willing to implement recycling, however “head office” is not, need a policy or bylaw. Will need to provide options for public to dispose of items.
- to foster cooperation, request municipalities to implement a policy or bylaw to encourage waste diversion within their boundaries (part of the solution)
- bylaw would stipulate that recycling bins will be on site
- all Regional District can do is regulate tipping fees, increase tipping fees for mixed loads to promote separation/recycling
- Page iv – pilot projects – waste oil and agriculture plastics (wrap and twine), staff are in the process of obtaining more information.
- Phase 2 – focus on tipping fee increases for Institutional / Commercial and Industrial (ICI) sectors
- Pg vi – develop Solid Waste Management Plan report – staff working on
- Pg 9, 3.1.3 – equal levels of access, not same in rural areas. Thirty two PL6 bin sites down to 24 sites – convenience has been lost, should be consistent. Construction of Tier 1 and 2 sites are very expensive, are there other models? Residents are renting their own bins and paying for the convenience.
- inequality, same taxes no matter where you live, i.e. recycling – have to drive further than municipal residents for basic service. Rural residents have to sort everything, return is less.
- goals – alter methodology, does it need to be there? How do you evaluate it when you cannot define it. Triple bottom line – important to keep.

August 22 Solid Waste Committee Meeting

Summary:

5. Phase 1 – Building a Foundation

5.2.3 Establish Minimum Operating Standards for Landfills

It was felt that standardized agreements/level of service across the region needs to be addressed. Determine level of service for residents first, establish consistency.

5.2.4 Identify Development Needs for Waste Management System

Rose Prairie is not a landfill, Plan should be changed to reflect that

5.3.1 Standardize Recycling Programs across the Region

- Change focus to ICI
- Swap recycling locations around – need recycling station in Charlie Lake

5.3.3 Investigate Replacement Options for the Fort St. John Landfill

- redundant
- replace references to FSJ Landfill with “North Peace Regional Landfill” to reflect proper name

5.4.1 Implement Incentive Based Tipping Fees

- the Plan Monitoring Advisory Committee has stated that nothing will change until tipping fees outweigh costs of recycling

Parking Lot Item

cost of manned transfer station versus revenue received, unmanned 24/7 transfer station pilot project, equipment to be locked out – huge liability concern if site is unsupervised and an accident/injury/death occurs, the Regional District would be totally responsible

5.5.1 Continue Existing Waste Reduction Education Program

should remove references to NEAT (Northern Environmental Action Team) in the Plan, use a generalized name/phrase

5.7.1 Provide Recycling Pilot Program for Agricultural Plastics

- staff will be bringing information back on this topic
- add to briefing notes – take to UBCM Conference

5.7.3 Develop Construction & Demolition Waste Working Group

5.7.4 Develop ICI Waste Working Group

- working group needs to take different form, recommend new strategy
- could be same members as PMAC, same resources within that Committee

5.8 Triple Bottom Line

Tables 2: Summary of Triple Bottom Line Evaluations for Phase 1 needs to be updated (including financial information), curbside recycling should be added to the list

6. Phase 2 – Increasing Access to Recycling

6.2.2 Implement Incentive Based Tipping Fees

Plan should be updated to reflect 2017 practices, not 2008

6.2.5 Implement Curbside Recycling Program in Member Municipalities

- *what is responsibility of Regional District, it is not defined in the Plan -how will RDI be involved, define roles of RD and municipalities, look at rewording last paragraph on page 38, which reads:*

“It should be noted that member municipalities should consider the relative increase or improvement in recycling recovery rates, against the expected increases in cost. In some communities where depot-based recovery rates are relatively good, there may be some question as to whether the incremental increase in recycling costs associated with a curbside collection program are “good value for money”, based on the resulting increase in recycling rates. This will need to be determined on a case by case basis, and would likely involve specialized tracking of recycling recovery rates by municipality, to gain better insight into this issue.”

6.4.2 Develop Transfer Station to Replace Fort St. John Landfill

References to Class 1/Class 2 transfer stations should be changed to reflect current names - Tier 1/Tier 2 and update costs

6.4.3 Develop Replacement Landfill Capacity for Fort St. John Landfill

- no longer valid

6.5 Triple Bottom Line

Update table, including financial information

PEACE RIVER REGIONAL DISTRICT
Income Statement By Function



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Period : 9

From Category : 4300 To Category : 4300

Account Code : ??-?-????-??? To : ??-?-????-???

Budget Type : APPROVED BUDGET

I-2

Account Code	Account Name	Current Period	Year to Date	Committed	Budget Amount	Variance
1-->	General Operating Fund					
4300-->	REGIONAL SOLID WASTE MANAGEMENT ~ ++^					
1-->	REVENUES					
01-1-4300-110	Requisition - electoral (SW)	0	-3,961,295	0	-3,961,295	0
01-1-4300-111	Requisition - municipal (SW)	0	-1,789,377	0	-1,789,377	0
01-1-4300-120	Grants-in-lieu (SW)	0	-690,783	0	-600,000	90,783
01-1-4300-122	SW - Misc Fees - Sch C	-265	-2,270	0	-100	2,170
01-1-4300-123	Weight Fee	0	-300	0	-100	200
01-1-4300-124	Unsecure Loads	-73	-1,086	0	-1,500	-414
01-1-4300-125	Cash Short/Over - Rolla	0	-21	0	-10	11
01-1-4300-126	Cash Short/Over - Kelly Lake T	0	1	0	-10	-11
01-1-4300-127	Cash Short/Over - Tomslake TS	0	-6	0	-10	-4
01-1-4300-128	Cash Short/Over - Pink Mtn TS	0	0	0	-10	-10
01-1-4300-129	Cash Short/Over - Wonowon TS	0	3	0	-10	-13
01-1-4300-130	Cash Short/Over - Prespatou TS	0	14	0	-10	-24
01-1-4300-131	Cash Short/Over - Bessborough	-37	90	0	-10	-100
01-1-4300-132	Cash Short/Over - Chet LF (SW)	-36	196	0	-10	-206
01-1-4300-133	Cash Short/Over - DC Trf Stn (	31	286	0	-10	-296
01-1-4300-134	Cash Short/Over - NP LF (SW)	66	178	0	-10	-188
01-1-4300-135	Cash Short/Over - Mile 62.5 Tr	0	1	0	-10	-11
01-1-4300-136	Cash Short/Over - Rose Pr Trf	0	-0	0	-10	-10
01-1-4300-137	Cash Short/Over - Buick	0	0	0	-10	-10
01-1-4300-138	Cash Short/Over - Cecil Lake	0	-2	0	-10	-8
01-1-4300-139	Cash Short/Over - Goodlow	0	2	0	-10	-12
01-1-4300-140	Extra Charges Recovered	0	-280	0	0	280
01-1-4300-141	Fees - Bessborough LF (SW)	-26,207	-1,176,274	0	-1,100,000	76,274
01-1-4300-142	Fees - Chetwynd LF (SW)	-3,084	-356,342	0	-400,000	-43,658
01-1-4300-143	Fees - DC Trf Station (SW)	-8,569	-59,537	0	-60,000	-463
01-1-4300-144	Fees - NP LF (SW)	-16,947	-1,475,817	0	-2,300,000	-824,183
01-1-4300-145	Fees - Mile 62.5 Trf Stn (SW)	-239	-2,535	0	-3,000	-466
01-1-4300-146	Fees - Rose Pr Trf St (SW)	-114	-1,767	0	-3,000	-1,233
01-1-4300-147	Fees - Buick	-61	-871	0	-1,300	-429
01-1-4300-148	Fees - Cecil Lake	-167	-2,357	0	-2,500	-143
01-1-4300-149	Fees - Goodlow	-4	-270	0	-500	-230
01-1-4300-150	Fees - Rolla	-237	-3,997	0	-5,000	-1,003
01-1-4300-151	Fees - Moberly	-135	-5,116	0	-3,000	2,116

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Account Code : ??-?-????-??? To : ??-?-????-???

Budget Type : APPROVED BUDGET

Account Code	Account Name	Current Period	Year to Date	Committed	Budget Amount	Variance
01-1-4300-152	Fees - Upper Halfway	-67	-1,286	0	-1,000	286
01-1-4300-155	Shared administration fees (SW)	-19,500	-19,500	0	-19,500	0
01-1-4300-157	Recovered costs (SW)	-20,680	-48,802	0	-20,000	28,802
01-1-4300-158	Recycling Revenue (SW)	0	-93,214	0	-10,000	83,214
01-1-4300-159	Metals Salvage (SW)	0	0	0	-100	-100
01-1-4300-161	Insurance proceeds (SW)	-5,398	-5,398	0	-11,700	-6,302
01-1-4300-165	MMBC Recycle Revenue	-320	-3,377	0	-2,000	1,377
01-1-4300-166	MMBC - Education & Training Fu	-6,282	-50,258	0	-60,000	-9,742
01-1-4300-167	MMBC Municipal Revenue	2,523	-8,249	0	-7,000	1,249
01-1-4300-168	MMBC Hauling Rebate	0	-3,242	0	-2,000	1,242
01-1-4300-169	Cash Short/Over - Moberly	-8	-25	0	-10	15
01-1-4300-170	Cash Short/Over - Upper Halfwa	0	20	0	-10	-30
01-1-4300-171	Fees - Kelly Lake TS	-31	-875	0	-1,000	-125
01-1-4300-172	Fees - Tomslake TS	-313	-3,440	0	-5,500	-2,060
01-1-4300-173	Fees - Pink Mtn TS	-83	-368	0	-500	-132
01-1-4300-174	Fees - Wonowon TS	-84	-1,120	0	-1,000	120
01-1-4300-175	Fees - Prespatou TS	-181	-3,195	0	-3,500	-305
01-1-4300-178	MFA Actuarial Contrib.(SW)	0	0	0	-58,711	-58,711
01-1-4300-189	Loan Proceeds (SW)	0	0	0	-5,000,000	-5,000,000
01-1-4300-190	Appropriated surplus (SW)	0	-1,460,611	0	-1,460,611	0
Total REVENUES		-106,500	-11,232,469	0	-16,894,964	-5,662,495

2--> EXPENDITURES

01-2-4300-200	Wages (SW)	52,126	470,106	0	670,466	200,360
01-2-4300-205	Benefits (SW)	12,271	117,743	0	189,718	71,975
01-2-4300-206	WCB (SW)	601	5,508	0	7,127	1,619
01-2-4300-210	Travel/Train/Conf/Wrkshp (SW)	1,593	10,242	0	17,000	6,758
01-2-4300-211	Travel, Use of RD Vehicle	0	0	0	19,900	19,900
01-2-4300-212	Mileage In-Region (SW)	0	19	0	300	281
01-2-4300-215	Meals In-Region (SW)	198	1,558	0	3,500	1,942
01-2-4300-216	Meetings (SW)	0	1,189	0	2,200	1,011
01-2-4300-218	Memberships (SW)	339	4,953	0	5,000	47
01-2-4300-230	Phone,Ph Supplies,Internet, AI	392	2,896	0	5,000	2,104
01-2-4300-240	Advertising (SW)	214	16,496	0	15,000	-1,496
01-2-4300-242	Videos	2,204	11,021	0	13,979	2,958
01-2-4300-250	Legal Services (SW)	0	2,460	0	10,000	7,540
01-2-4300-252	Consulting Services (SW)	4,467	23,141	0	30,000	6,859
01-2-4300-256	Waste Composition Study	29,236	68,364	0	128,100	59,736

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Budget Type : APPROVED BUDGET

Account Code	Account Name	Current Period	Year to Date	Committed	Budget Amount	Variance
01-2-4300-260	Insurance (SW)	0	12,028	0	11,900	-128
01-2-4300-261	Administration fees (SW)	198,000	198,000	0	198,000	0
01-2-4300-262	Interest - debenture (SW)	0	82,587	0	165,174	82,587
01-2-4300-263	Principal - debenture (SW)	0	156,594	0	414,109	257,515
01-2-4300-289	Actuarial Recognized (SW)	0	0	0	58,711	58,711
01-2-4300-298	Bad debts (SW)	0	0	0	1,000	1,000
01-2-4300-299	Miscellaneous (SW)	0	0	0	2,000	2,000
01-2-4300-309	Unit #9 - Trailtech Flatdeck T	0	119	0	1,000	881
01-2-4300-311	Unit #11 - Bobcat (SW)	0	1,325	0	3,000	1,675
01-2-4300-314	Unit #14 - Yellow Dump Trlr (S	0	0	0	1,000	1,000
01-2-4300-315	Unit #15 - 2005 GMC 3/4 T(SW)	349	2,391	0	3,500	1,109
01-2-4300-316	Unit #16-Load Trail Blk Dump T	62	276	0	2,000	1,724
01-2-4300-317	Unit #17 - Sterling Picker Tru	140	8,471	0	13,000	4,529
01-2-4300-321	Unit #21 - 1 Ton Chev (White)	634	5,539	0	13,000	7,461
01-2-4300-324	Unit #24 - 2017 Chevrolet 3500	1,102	7,354	0	8,000	646
01-2-4300-325	Unit #25 - Trailer Flatdeck 20	0	418	0	0	-418
01-2-4300-361	Supplies - shop/warehouse (SW)	456	3,564	0	8,000	4,436
01-2-4300-362	Supplies - ofc & computer (RD-	49	26,755	0	33,000	6,245
01-2-4300-365	Banking Fees	1,994	9,359	0	14,000	4,641
01-2-4300-607	Trsf to Capital Reserve	1,000,000	1,000,000	0	3,500,000	2,500,000
01-2-4300-608	Trsf to Landfill Closure Liabi	220,000	220,000	0	220,000	0
01-2-4300-702	Operations - Bessborough LF (S	3,778	23,933	0	48,000	24,067
01-2-4300-703	Operations - Buick Crk TS (SW)	132	2,606	0	7,500	4,894
01-2-4300-705	Operations - Chetwynd LF (SW)	2,897	17,529	0	37,000	19,471
01-2-4300-706	Operations - Dawson Creek TS (	256	16,551	0	49,000	32,449
01-2-4300-708	Operations - North Peace LF (S	5,492	28,366	0	76,000	47,634
01-2-4300-709	Operations - Landfill Gas Syst	13,037	72,418	0	93,000	20,582
01-2-4300-711	Operations - Hudson's Hope TS	84	6,853	0	10,000	3,147
01-2-4300-712	Operations - Kelly Lake TS (S	116	1,462	0	5,000	3,538
01-2-4300-713	Operations - Upper Halfway	120	3,998	0	5,500	1,502
01-2-4300-714	Operations - Mile 62.5 TS (SW)	107	4,216	0	5,500	1,284
01-2-4300-715	Operations - Rolla TS (SW)	517	3,081	0	5,500	2,419
01-2-4300-716	Operations - Moberly Lake TS (	521	4,751	0	5,500	749
01-2-4300-719	Operations - Pink Mountain TS	120	2,052	0	5,500	3,448
01-2-4300-721	Operations - Cecil Lake TS (SW	132	3,362	0	4,500	1,138
01-2-4300-722	Operations - Rose Prairie TS (	295	2,685	0	4,500	1,815
01-2-4300-723	Operations - Goodlow TS (SW)	202	2,851	0	4,500	1,649
01-2-4300-724	Operations - Taylor TS (SW)	0	0	0	500	500

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Period : 9

From Category : 4300 To Category : 4300

Account Code : ??-?-????-??? To : ??-?-????-???

Budget Type : APPROVED BUDGET

Account Code	Account Name	Current Period	Year to Date	Committed	Budget Amount	Variance
01-2-4300-725	Operations - Tomslake TS (SW)	233	2,079	0	4,500	2,421
01-2-4300-726	Operations - Tumbler Ridge TS	7,000	8,450	0	5,000	-3,450
01-2-4300-727	Operations - Wonowon TS (SW)	135	5,296	0	6,000	704
01-2-4300-728	Operations - Prespatou TS (SW)	244	6,567	0	6,000	-567
01-2-4300-729	Operations - Misc Transfer Sta	1,004	7,913	0	7,500	-413
01-2-4300-732	Contractor - Bessborough LF (S	89,167	698,794	0	1,060,000	361,206
01-2-4300-733	Contractor - Buick Crk TS (SW)	10,457	81,560	0	115,000	33,440
01-2-4300-734	Contractor - Cecil Lake (SW)	12,247	85,393	0	120,000	34,607
01-2-4300-735	Contractor - Chetwynd LF (SW)	47,500	374,167	0	566,000	191,833
01-2-4300-736	Contractor - Dawson Creek (SW)	23,713	156,874	0	236,000	79,126
01-2-4300-738	Contractor - North Peace LF (S	138,770	1,089,604	0	1,650,000	560,396
01-2-4300-741	Contractor - Hudson's Hope (SW	4,400	39,600	0	57,000	17,400
01-2-4300-742	Contractor - Kelly Lake (SW)	9,855	81,239	0	122,000	40,761
01-2-4300-744	Contractor - Mile 62.5 (SW)	4,000	32,000	0	52,000	20,000
01-2-4300-749	Contractor - Pink Mountain (SW	8,971	74,768	0	119,000	44,232
01-2-4300-751	Contractor - Prespatou (SW)	9,704	80,020	0	120,000	39,980
01-2-4300-752	Contractor - Rose Prairie LF (	8,046	76,295	0	107,000	30,705
01-2-4300-754	Contractor/Transport/Haul - Go	9,326	77,133	0	115,000	37,867
01-2-4300-755	Contractor - Tomslake (SW)	11,006	81,383	0	120,000	38,617
01-2-4300-756	Contractor - Tumbler Ridge (SW	0	45,321	0	100,000	54,679
01-2-4300-757	Contractor - Wonowon (SW)	9,239	73,958	0	120,000	46,042
01-2-4300-758	Cont/Haul/Transport-Upper Half	10,971	89,018	0	130,000	40,982
01-2-4300-761	Cont/Haul/Transport-Rolla	12,947	90,135	0	130,000	39,865
01-2-4300-763	Cont/Haul/Transport-Moberly La	13,024	93,546	0	130,000	36,454
01-2-4300-776	Transport/Haul - Dawson Creek	1,921	17,232	0	23,000	5,768
01-2-4300-781	Transport/Haul - Hudson's Hope	6,207	44,213	0	70,000	25,787
01-2-4300-787	Transport/Haul - NP Haul All P	8,101	68,038	0	155,000	86,962
01-2-4300-790	Transport/Haul - Pouce Coupe (	0	0	0	1,500	1,500
01-2-4300-793	Transport/Haul - SP Haul All P	25,295	229,810	0	350,000	120,190
01-2-4300-794	Transport/Haul - Taylor (SW)	0	6,240	0	12,500	6,260
01-2-4300-796	Transport/Haul - Tumbler Ridge	9,310	75,073	0	105,000	29,927
01-2-4300-799	Transport/Haul - Misc Transfer	425	4,061	0	9,000	4,939
01-2-4300-840	Extra Charges Recoverable	210	210	0	0	-210
01-2-4300-872	Recycling - NEAT (SW)	0	228,825	0	345,780	116,955
01-2-4300-873	Recycling - RecycleIt (SW)	38,556	635,103	0	1,800,000	1,164,897
01-2-4300-875	Recycling - Taylor Site Rental	500	4,500	0	6,000	1,500
01-2-4300-877	MMBC Municipal Recycle Reimbur	-2,523	8,249	0	10,000	1,751
01-2-4300-894	New Clean-up Program (SW)	540	53,920	0	100,000	46,080

PEACE RIVER REGIONAL DISTRICT
Income Statement By Function



GL5240

Date : 26 Sep,2017

Page : 5

Time : 4:45 pm

As of : 30-Sep-2017

Fiscal Year : 2017

Period : 9

From Category : 4300 To Category : 4300

Account Code : ??-?-????-??? To : ??-?-????-???

Budget Type : APPROVED BUDGET

Account Code	Account Name	Current Period	Year to Date	Committed	Budget Amount	Variance
01-2-4300-901	Water Monitoring - Bessborough	0	362	0	20,000	19,638
01-2-4300-902	Water Monitoring - Chetwynd LF	0	0	0	18,000	18,000
01-2-4300-903	Water Monitoring - Dawson Cree	0	1,049	0	26,500	25,451
01-2-4300-904	Water Monitoring - North Peace	0	2,386	0	25,500	23,114
01-2-4300-905	Water Monitoring - Mile 62.5 T	0	1,711	0	5,500	3,789
01-2-4300-906	Water Monitoring - Rose Prairi	0	208	0	23,000	22,792
01-2-4300-908	Water Monitoring - Hudson's Ho	0	2,179	0	11,000	8,821
01-2-4300-910	Water Monitoring - Moberly Lak	0	0	0	4,500	4,500
01-2-4300-911	Water Monitoring - Taylor TS	0	2,480	0	11,000	8,520
01-2-4300-913	Water Monitoring - Misc. Trsf	0	0	0	2,500	2,500
01-2-4300-915	Water Monitoring - East Pine	0	1,306	0	10,000	8,694
01-2-4300-916	Water Monitoring - Groundbirch	0	1,448	0	11,000	9,552
01-2-4300-917	Water Monitoring - Milligan Cr	0	1,515	0	5,500	3,985
01-2-4300-918	Water Monitoring - Mile 98	0	0	0	4,500	4,500
01-2-4300-940	Mitigation of Closed Landfills	0	200	0	50,000	49,800
01-2-4300-951	SW Capital - Bessborough LF	0	533	0	118,000	117,467
01-2-4300-954	SW Capital - North Peace LF	517,649	978,446	0	1,922,000	943,554
01-2-4300-973	SW Capital - Equipment	0	88,553	0	86,000	-2,553
01-2-4300-975	SW Capital - Miscellaneous	0	0	0	50,000	50,000
01-2-4300-976	SW Capital - Lone Prairie TS	0	932	0	0	-932
01-2-4300-983	SW Capital - Doig River TS	0	1,045	0	0	-1,045
01-2-4300-988	SW Capital - Landfill Gas Proj	0	0	0	150,000	150,000
Total EXPENDITURES		2,602,385	8,578,129	0	16,894,964	8,316,835
REGIONAL SOLID WASTE MANAGEMENT ~ ++^ Surplus/Defi		2,495,885	-2,654,340	0	0	2,654,340
Report Total -->		2,495,885	-2,654,340	0	0	2,654,340

Solid Waste



For Period Ending 31-Dec-2017

Solid Waste Report	2017 BUDGET	2017 ACTUAL	DIFFERENCE	PERCENTAGE	2016 ACTUAL	2015 ACTUAL	2014 ACTUAL
Up to Sept. 26/17			ACTUAL TO BUDGET	ACTUAL TO BUDGET			
REVENUES							
Requisition - electoral (SW)	(3,961,295.00)	(3,961,295.32)	0.32	100.00	(4,773,234.00)	(4,521,802.00)	(4,149,286.00)
Requisition - municipal (SW)	(1,789,377.00)	(1,789,377.00)	0.00	100.00	(2,270,172.14)	(2,170,651.33)	(1,968,435.00)
Interest on Reserve (SW)	0.00	0.00	0.00	0.00	(8,153.21)	(8,690.67)	(9,397.92)
Grants-in-lieu (SW)	(600,000.00)	(690,782.69)	90,782.69	115.13	(727,094.61)	(647,078.69)	(707,740.25)
SW - Misc Fees - Sch C	(100.00)	(2,270.00)	2,170.00	2,270.00	(2,380.00)	(2,360.00)	(1,480.50)
Weight Fee	(100.00)	(300.00)	200.00	300.00	(270.00)	(150.00)	0.00
Unsecure Loads	(1,500.00)	(1,085.95)	(414.05)	72.40	(2,322.90)	(6,364.75)	(5,752.90)
Cash Short/Over - Rolla	(10.00)	(21.10)	11.10	211.00	(49.80)	0.00	0.00
Cash Short/Over - Kelly Lake TS	(10.00)	1.05	(11.05)	(10.50)	(0.05)	0.60	(2.85)
Cash Short/Over - Tomslake TS	(10.00)	(6.20)	(3.80)	62.00	(6.00)	(3.79)	18.92
Cash Short/Over - Pink Mtn TS	(10.00)	0.00	(10.00)	0.00	(0.50)	0.00	0.00
Cash Short/Over - Wonowon TS	(10.00)	3.20	(13.20)	(32.00)	0.00	(105.75)	0.20
Cash Short/Over - Prespatou TS	(10.00)	13.85	(23.85)	(138.50)	(84.90)	3.76	1.56
Cash Short/Over - Bessborough (SW)	(10.00)	90.45	(100.45)	(904.50)	401.10	(131.34)	592.00
Cash Short/Over - Chet LF (SW)	(10.00)	196.07	(206.07)	(1,960.70)	218.49	92.94	335.76
Cash Short/Over - DC Trf Stn (SW)	(10.00)	286.40	(296.40)	(2,864.00)	(276.88)	(116.38)	(225.24)
Cash Short/Over - NP LF (SW)	(10.00)	178.01	(188.01)	(1,780.10)	299.11	(367.29)	962.30
Cash Short/Over - Mile 62.5 Trf Stn (SW)	(10.00)	0.80	(10.80)	(8.00)	0.00	1.60	0.00
Cash Short/Over - Rose Pr Trf Stn (SW)	(10.00)	(0.02)	(9.98)	0.20	(9.85)	0.00	(6.67)
Cash Short/Over - Buick	(10.00)	0.00	(10.00)	0.00	0.00	0.00	0.00
Cash Short/Over - Cecil Lake	(10.00)	(1.85)	(8.15)	18.50	54.59	0.00	16.90
Cash Short/Over - Goodlow	(10.00)	1.60	(11.60)	(16.00)	5.80	65.50	0.10
Extra Charges Recovered	0.00	(280.00)	280.00	0.00	(1,059.50)	(702.50)	(432.50)
Fees - Bessborough LF (SW)	(1,100,000.00)	(1,176,273.98)	76,273.98	106.93	(1,171,098.42)	(1,350,922.66)	(1,312,520.10)
Fees - Chetwynd LF (SW)	(400,000.00)	(356,341.99)	(43,658.01)	89.09	(454,038.15)	(469,653.97)	(405,494.07)
Fees - DC Trf Station (SW)	(60,000.00)	(59,536.75)	(463.25)	99.23	(64,198.25)	(66,275.46)	(63,828.39)
Fees - NP LF (SW)	(2,300,000.00)	(1,475,817.43)	(824,182.57)	64.17	(1,997,352.46)	(2,694,640.25)	(2,783,180.05)
Fees - Mile 62.5 Trf Stn (SW)	(3,000.00)	(2,534.50)	(465.50)	84.48	(3,100.60)	(3,131.50)	(3,236.00)
Fees - Rose Pr Trf St (SW)	(3,000.00)	(1,766.53)	(1,233.47)	58.88	(3,057.50)	(4,606.88)	(3,137.08)
Fees - Buick	(1,300.00)	(871.40)	(428.60)	67.03	(1,354.05)	(1,664.50)	(1,890.85)
Fees - Cecil Lake	(2,500.00)	(2,357.45)	(142.55)	94.30	(2,740.20)	(2,545.52)	(3,488.87)
Fees - Goodlow	(500.00)	(269.55)	(230.45)	53.91	(294.10)	(308.24)	(1,035.80)
Fees - Rolla	(5,000.00)	(3,997.10)	(1,002.90)	79.94	(5,864.00)	0.00	0.00
Fees - Moberly	(3,000.00)	(5,115.55)	2,115.55	170.52	(3,316.15)	(309.60)	0.00
Fees - Upper Halfway	(1,000.00)	(1,285.85)	285.85	128.59	(1,431.40)	(135.80)	0.00
Debenture Refund (SW)	0.00	0.00	0.00	0.00	0.00	0.00	(13,504.22)
Shared administration fees (SW)	(19,500.00)	(19,500.00)	0.00	100.00	(12,500.00)	(19,500.00)	(19,500.00)
Recovered costs (SW)	(20,000.00)	(48,802.37)	28,802.37	244.01	(32,089.79)	(143,675.37)	(84,716.52)
Recycling Revenue (SW)	(10,000.00)	(93,213.65)	83,213.65	932.14	(17,324.31)	(12,426.45)	(1,548.70)
Metals Salvage (SW)	(100.00)	0.00	(100.00)	0.00	0.00	(395.51)	(1,562.50)
Sale of capital assets (SW)	0.00	0.00	0.00	0.00	0.00	0.00	(1,971.38)
Insurance proceeds (SW)	(11,700.00)	(5,397.75)	(6,302.25)	46.13	(6,547.00)	0.00	0.00
Grants (SW)	0.00	0.00	0.00	0.00	0.00	(9,435.23)	0.00
MMBC Recycle Revenue	(2,000.00)	(3,377.00)	1,377.00	168.85	(2,060.41)	(2,061.77)	(205.32)
MMBC - Education & Training Funds	(60,000.00)	(50,258.07)	(9,741.93)	83.76	(70,562.05)	(28,295.63)	(18,075.55)
MMBC Municipal Revenue	(7,000.00)	(8,248.53)	1,248.53	117.84	(10,572.56)	0.00	0.00

Solid Waste



For Period Ending 31-Dec-2017

Solid Waste Report	2017 BUDGET	2017 ACTUAL	DIFFERENCE	PERCENTAGE	2016 ACTUAL	2015 ACTUAL	2014 ACTUAL
Up to Sept. 26/17			ACTUAL TO BUDGET	ACTUAL TO BUDGET			
MMBC Hauling Rebate	(2,000.00)	(3,241.81)	1,241.81	162.09	(3,921.35)	(4,020.03)	(327.70)
Cash Short/Over - Moberly	(10.00)	(24.55)	14.55	245.50	(11.80)	0.10	0.00
Cash Short/Over - Upper Halfway	(10.00)	20.24	(30.24)	(202.40)	(13.45)	(0.01)	0.00
Fees - Kelly Lake TS	(1,000.00)	(875.40)	(124.60)	87.54	(1,252.60)	(1,845.40)	(1,146.15)
Fees - Tomslake TS	(5,500.00)	(3,439.55)	(2,060.45)	62.54	(5,577.60)	(5,763.63)	(6,220.52)
Fees - Pink Mtn TS	(500.00)	(367.60)	(132.40)	73.52	(364.90)	(726.90)	(560.90)
Fees - Wonowon TS	(1,000.00)	(1,119.65)	119.65	111.97	(1,151.50)	(1,136.00)	(1,253.00)
Fees - Prespatou TS	(3,500.00)	(3,195.40)	(304.60)	91.30	(4,207.05)	(4,109.06)	(4,945.89)
MFAActuarial Contrib.(SW)	(58,711.00)	0.00	(58,711.00)	0.00	(58,710.67)	(40,027.94)	(41,449.17)
Loan Proceeds (SW)	(5,000,000.00)	0.00	(5,000,000.00)	0.00	0.00	0.00	0.00
Appropriated surplus (SW)	(1,460,611.00)	(1,460,611.00)	0.00	100.00	(2,062,781.00)	(2,099,892.00)	(2,538,740.00)
Trsf From Capital Reserve	0.00	0.00	0.00	0.00	(2,535,000.00)	0.00	0.00
Total REVENUES	(16,894,964.00)	(11,232,468.87)	(5,662,495.13)	66.48	(16,316,628.57)	(14,325,865.30)	(14,154,370.82)
EXPENDITURES							
Wages (SW)	670,466.00	470,106.48	200,359.52	70.12	599,956.42	628,658.63	522,057.09
Benefits (SW)	189,718.00	117,742.87	71,975.13	62.06	144,330.09	137,070.84	109,592.67
WCB (SW)	7,127.00	5,508.31	1,618.69	77.29	7,003.12	7,113.70	5,363.13
Travel/Train/Conf/Wrkshp (SW)	17,000.00	10,241.73	6,758.27	60.25	12,558.78	16,860.95	13,078.60
Travel, Use of RD Vehicle	19,900.00	0.00	19,900.00	0.00	39,400.00	34,400.00	19,700.00
Mileage In-Region (SW)	300.00	18.57	281.43	6.19	21.43	104.99	52.50
Meals In-Region (SW)	3,500.00	1,558.14	1,941.86	44.52	3,127.10	3,236.74	2,293.55
Meetings (SW)	2,200.00	1,189.35	1,010.65	54.06	1,799.60	374.11	336.00
Memberships (SW)	5,000.00	4,953.31	46.69	99.07	6,185.44	3,864.78	3,933.77
Phone,Ph Supplies,Internet, Alarms (SW)	5,000.00	2,895.83	2,104.17	57.92	4,761.07	5,748.73	4,397.02
Advertising (SW)	15,000.00	16,495.69	(1,495.69)	109.97	14,803.02	7,002.05	1,794.72
Videos	13,979.00	11,021.00	2,958.00	78.84	11,021.00	0.00	0.00
Legal Services (SW)	10,000.00	2,459.57	7,540.43	24.60	2,148.03	14,552.10	7,483.29
Consulting Services (SW)	30,000.00	23,141.24	6,858.76	77.14	17,331.19	13,065.87	35,722.50
Waste Composition Study	128,100.00	68,363.82	59,736.18	53.37	0.00	0.00	0.00
Insurance (SW)	11,900.00	12,028.02	(128.02)	101.08	11,581.18	11,182.16	12,964.59
Administration fees (SW)	198,000.00	198,000.00	0.00	100.00	198,000.00	198,000.00	198,000.00
Interest - debenture (SW)	165,174.00	82,586.91	82,587.09	50.00	165,173.82	165,173.82	102,470.63
Principal - debenture (SW)	414,109.00	156,593.81	257,515.19	37.81	414,108.98	414,108.98	293,709.24
Actuarial Recognized (SW)	58,711.00	0.00	58,711.00	0.00	58,710.67	40,027.94	41,449.17
Bad debts (SW)	1,000.00	0.00	1,000.00	0.00	0.00	0.00	0.00
Miscellaneous (SW)	2,000.00	0.00	2,000.00	0.00	0.00	539.94	150.00
Unit #9 - Trailtech Flatdeck Trlr (SW)	1,000.00	118.88	881.12	11.89	599.92	924.74	731.80
Unit #11 - Bobcat (SW)	3,000.00	1,325.47	1,674.53	44.18	2,938.42	1,923.70	1,422.70
Unit #14 - Yellow Dump Trlr (SW)	1,000.00	0.00	1,000.00	0.00	236.00	541.12	1,205.48
Unit #15 - 2005 GMC 3/4 T(SW)	3,500.00	2,390.92	1,109.08	68.31	8,604.35	12,116.72	13,398.90
Unit #16-Load Trail Blk Dump Trlr (SW)	2,000.00	275.61	1,724.39	13.78	851.46	2,541.86	2,255.04
Unit #17 - Sterling Picker Truck (SW)	13,000.00	8,470.78	4,529.22	65.16	11,226.70	12,286.87	10,474.45
Unit #21 - 1 Ton Chev (White)	13,000.00	5,539.31	7,460.69	42.61	17,638.44	11,833.96	13,032.92
Unit #24 - 2017 Chevrolet 3500 - Silver	8,000.00	7,354.47	645.53	91.93	4,665.83	0.00	0.00
Unit #25 - Trailer Flatdeck 2016	0.00	417.84	(417.84)	0.00	0.00	0.00	0.00
Supplies - shop/warehouse (SW)	8,000.00	3,564.36	4,435.64	44.55	8,924.77	6,966.63	10,755.40

Solid Waste

For Period Ending 31-Dec-2017



Solid Waste Report	2017 BUDGET	2017 ACTUAL	DIFFERENCE	PERCENTAGE	2016 ACTUAL	2015 ACTUAL	2014 ACTUAL
Up to Sept. 26/17			ACTUAL TO BUDGET	ACTUAL TO BUDGET			
Supplies - ofc & computer (RD-SW)	33,000.00	26,754.85	6,245.15	81.08	38,478.77	43,458.66	31,180.16
Banking Fees	14,000.00	9,358.87	4,641.13	66.85	12,135.49	0.00	0.00
Trsf to Op Resv (SW)	0.00	0.00	0.00	0.00	0.00	0.00	250,000.00
Trsf to Capital Resv - Veh/Eq (SW)	0.00	0.00	0.00	0.00	0.00	30,000.00	30,000.00
Trsf to "Green" Carbon Reserve	0.00	0.00	0.00	0.00	1,770.00	1,770.00	2,340.00
Trsf to Capital Reserve	3,500,000.00	1,000,000.00	2,500,000.00	28.57	500,000.00	500,000.00	2,300,000.00
Trsf to Landfill Closure Liability Rsvr	220,000.00	220,000.00	0.00	100.00	100,000.00	100,000.00	100,000.00
Tsf Interest on Reserve (SW)	0.00	0.00	0.00	0.00	8,153.21	8,690.67	9,397.92
Operations - Bessborough LF (SW)	48,000.00	23,932.80	24,067.20	49.86	33,893.28	79,879.91	23,965.96
Operations - Buick Crk TS (SW)	7,500.00	2,606.29	4,893.71	34.75	6,508.65	2,450.24	31,714.44
Operations - Chetwynd LF (SW)	37,000.00	17,529.28	19,470.72	47.38	24,200.75	26,853.41	25,618.52
Operations - Dawson Creek TS (SW)	49,000.00	16,551.41	32,448.59	33.78	23,649.06	14,240.67	23,911.49
Operations - North Peace LF (SW)	76,000.00	28,366.22	47,633.78	37.32	166,748.36	53,471.56	29,254.55
Operations - Landfill Gas System	93,000.00	72,417.78	20,582.22	77.87	28,814.69	7,065.20	0.00
Operations - Hudson's Hope TS (SW)	10,000.00	6,853.18	3,146.82	68.53	5,809.23	4,907.00	4,803.56
Operations - Kelly Lake TS (SW)	5,000.00	1,461.78	3,538.22	29.24	3,651.91	13,331.06	12,172.40
Operations - Upper Halfway	5,500.00	3,998.28	1,501.72	72.70	4,761.24	5,909.54	0.00
Operations - Mile 62.5 TS (SW)	5,500.00	4,216.30	1,283.70	76.66	4,860.23	4,247.81	6,743.38
Operations - Rolla TS (SW)	5,500.00	3,080.93	2,419.07	56.02	7,897.59	402.95	0.00
Operations - Moberly Lake TS (SW)	5,500.00	4,750.55	749.45	86.37	8,427.87	8,417.72	5,857.35
Operations - Pink Mountain TS (SW)	5,500.00	2,051.63	3,448.37	37.30	6,957.96	5,668.83	21,323.26
Operations - Cecil Lake TS (SW)	4,500.00	3,361.65	1,138.35	74.70	3,178.28	5,965.00	12,375.63
Operations - Rose Prairie TS (SW)	4,500.00	2,685.33	1,814.67	59.67	3,731.88	5,907.51	14,353.44
Operations - Goodlow TS (SW)	4,500.00	2,851.11	1,648.89	63.36	3,117.10	3,142.00	15,887.07
Operations - Taylor TS (SW)	500.00	0.00	500.00	0.00	57.16	14.29	28.58
Operations - Tomslake TS (SW)	4,500.00	2,079.40	2,420.60	46.21	3,395.31	6,014.48	14,559.55
Operations - Tumbler Ridge TS (SW)	5,000.00	8,449.65	(3,449.65)	168.99	233.37	2,364.01	165.00
Operations - Wonowon TS (SW)	6,000.00	5,295.76	704.24	88.26	5,622.25	4,904.78	16,961.32
Operations - Prespatou TS (SW)	6,000.00	6,567.36	(567.36)	109.46	7,837.46	27,619.83	19,964.07
Operations - Misc Transfer Stations (SW)	7,500.00	7,912.93	(412.93)	105.51	5,812.00	15,015.29	15,322.68
Contractor - Bessborough LF (SW)	1,060,000.00	698,794.25	361,205.75	65.92	1,033,333.34	920,920.75	834,533.50
Contractor - Buick Crk TS (SW)	115,000.00	81,560.35	33,439.65	70.92	115,208.21	115,201.51	115,646.39
Contractor - Cecil Lake (SW)	120,000.00	85,392.64	34,607.36	71.16	119,762.37	124,458.25	123,278.90
Contractor - Chetwynd LF (SW)	566,000.00	374,166.69	191,833.31	66.11	554,166.66	424,102.51	329,421.15
Contractor - Dawson Creek (SW)	236,000.00	156,874.00	79,126.00	66.47	217,700.33	246,721.10	235,209.31
Contractor - North Peace LF (SW)	1,650,000.00	1,089,603.62	560,396.38	66.04	1,637,706.09	1,356,056.70	1,032,186.20
Contractor - Landfill Gas System	0.00	0.00	0.00	0.00	1,912.50	14,142.00	0.00
Contractor - Hudson's Hope (SW)	57,000.00	39,600.00	17,400.00	69.47	52,800.00	52,300.00	51,100.00
Contractor - Kelly Lake (SW)	122,000.00	81,239.39	40,760.61	66.59	120,434.42	123,088.25	130,585.32
Contractor - Mile 62.5 (SW)	52,000.00	32,000.00	20,000.00	61.54	48,000.00	48,000.00	45,770.00
Contractor - Pink Mountain (SW)	119,000.00	74,768.49	44,231.51	62.83	116,431.60	111,778.50	119,127.75
Contractor - Prespatou (SW)	120,000.00	80,020.31	39,979.69	66.68	119,568.26	120,928.29	120,833.36
Contractor - Rose Prairie LF (SW)	107,000.00	76,294.96	30,705.04	71.30	106,661.23	117,875.68	104,980.34
Contractor/Transport/Haul - Goodlow	115,000.00	77,132.71	37,867.29	67.07	113,047.44	115,130.58	119,107.63
Contractor - Tomslake (SW)	120,000.00	81,383.08	38,616.92	67.82	118,317.50	116,808.46	121,466.69
Contractor - Tumbler Ridge (SW)	100,000.00	45,320.97	54,679.03	45.32	98,433.42	97,210.54	133,924.91
Contractor - Wonowon (SW)	120,000.00	73,957.61	46,042.39	61.63	114,464.63	116,895.19	118,424.55

Solid Waste



For Period Ending 31-Dec-2017

Solid Waste Report Up to Sept. 26/17	2017 BUDGET	2017 ACTUAL	DIFFERENCE	PERCENTAGE	2016 ACTUAL	2015 ACTUAL	2014 ACTUAL
			ACTUAL TO BUDGET	ACTUAL TO BUDGET			
Cont/Haul/Transport-Upper Halfway	130,000.00	89,018.12	40,981.88	68.48	130,197.86	12,548.44	0.00
Cont/Haul/Transport-Rolla	130,000.00	90,134.95	39,865.05	69.33	125,459.52	10,290.98	0.00
Cont/Haul/Transport-Moberly Lake	130,000.00	93,545.59	36,454.41	71.96	135,470.44	4,397.40	0.00
Transport/Haul - Dawson Creek (SW)	23,000.00	17,232.30	5,767.70	74.92	22,419.21	21,380.68	20,698.44
Transport/Haul - Hudson's Hope (SW)	70,000.00	44,213.36	25,786.64	63.16	69,020.75	62,906.74	62,884.94
Transport/Haul - NP Haul All PL6 (SW)	155,000.00	68,037.91	86,962.09	43.90	149,765.58	134,020.29	170,002.79
Transport/Haul - Pouce Coupe (SW)	1,500.00	0.00	1,500.00	0.00	1,185.00	1,185.00	1,185.00
Transport/Haul - SP Haul All PL6 (SW)	350,000.00	229,809.55	120,190.45	65.66	348,477.81	334,998.22	361,829.61
Transport/Haul - Taylor (SW)	12,500.00	6,240.00	6,260.00	49.92	18,720.00	6,240.00	12,720.00
Transport/Haul - Tumbler Ridge (SW)	105,000.00	75,073.44	29,926.56	71.50	105,423.39	104,111.13	122,156.51
Transport/Haul - Misc Transfer Stations	9,000.00	4,060.88	4,939.12	45.12	8,271.28	12,805.02	10,941.32
Extra Charges Recoverable	0.00	210.00	(210.00)	0.00	1,059.50	702.50	432.50
Recycling - NEAT (SW)	345,780.00	228,825.00	116,955.00	66.18	340,700.00	349,999.98	328,000.02
Recycling - RecycleIt (SW)	1,800,000.00	635,103.03	1,164,896.97	35.28	1,980,138.60	1,816,244.02	1,772,385.89
Recycling - Taylor Site Rental	6,000.00	4,500.00	1,500.00	75.00	6,000.00	6,000.00	6,000.00
MMBC Municipal Recycle Reimbursement	10,000.00	8,248.53	1,751.47	82.49	10,572.56	0.00	0.00
New Clean-up Program (SW)	100,000.00	53,919.53	46,080.47	53.92	116,819.85	112,786.06	110,892.82
Water Monitoring - Bessborough LF	20,000.00	361.99	19,638.01	1.81	16,490.47	18,952.61	9,632.16
Water Monitoring - Chetwynd LF	18,000.00	0.00	18,000.00	0.00	20,630.59	13,545.76	16,391.61
Water Monitoring - Dawson Creek TS	26,500.00	1,048.95	25,451.05	3.96	15,668.53	15,739.28	15,673.06
Water Monitoring - North Peace LF	25,500.00	2,385.61	23,114.39	9.36	8,321.57	13,136.37	12,567.69
Water Monitoring - Mile 62.5 TS	5,500.00	1,710.98	3,789.02	31.11	4,617.48	4,173.72	2,314.57
Water Monitoring - Rose Prairie	23,000.00	207.90	22,792.10	0.90	14,508.08	13,916.74	11,360.07
Water Monitoring - Hudson's Hope TS	11,000.00	2,178.76	8,821.24	19.81	5,722.49	3,488.82	4,511.37
Water Monitoring - Moberly Lake TS	4,500.00	0.00	4,500.00	0.00	1,599.92	3,823.31	216.00
Water Monitoring - Taylor TS	11,000.00	2,479.91	8,520.09	22.54	5,949.90	6,979.44	5,623.24
Water Monitoring - Misc. Trsf Stns	2,500.00	0.00	2,500.00	0.00	0.00	0.00	0.00
Water Monitoring - East Pine	10,000.00	1,306.49	8,693.51	13.06	4,621.49	3,293.67	7,809.86
Water Monitoring - Groundbirch	11,000.00	1,447.96	9,552.04	13.16	5,448.94	4,014.62	3,898.07
Water Monitoring - Milligan Creek	5,500.00	1,514.63	3,985.37	27.54	4,806.05	3,754.55	5,116.07
Water Monitoring - Mile 98	4,500.00	0.00	4,500.00	0.00	1,387.24	3,035.99	1,729.75
Mitigation of Closed Landfills	50,000.00	200.00	49,800.00	0.40	8,942.50	0.00	0.00
SW Capital - Bessborough LF	118,000.00	533.25	117,466.75	0.45	(0.38)	59,082.15	0.00
SW Capital - Chetwynd LF	0.00	0.00	0.00	0.00	972,358.15	56,725.14	0.00
SW Capital - Dawson Creek TS	0.00	0.00	0.00	0.00	0.00	373,048.76	0.00
SW Capital - North Peace LF	1,922,000.00	978,445.91	943,554.09	50.91	2,706,474.17	835,373.46	27,805.47
SW Capital - Upper Halfway TS	0.00	0.00	0.00	0.00	7,252.22	391,462.94	31,830.79
SW Capital - Equipment	86,000.00	88,553.31	(2,553.31)	102.97	0.00	0.00	0.00
SW Capital - Miscellaneous	50,000.00	0.00	50,000.00	0.00	35,495.23	0.00	6,441.40
SW Capital - Lone Prairie TS	0.00	932.00	(932.00)	0.00	0.00	28,350.28	2,500.00
SW Capital - Moberly Lake TS	0.00	0.00	0.00	0.00	19,125.51	364,665.01	3,000.00
SW Capital - ROLLA TS	0.00	0.00	0.00	0.00	8,055.01	423,730.74	440.00
SW Capital - Lebell TS	0.00	0.00	0.00	0.00	0.00	0.00	4,745.25
SW Capital - Doig River TS	0.00	1,044.55	(1,044.55)	0.00	0.00	0.00	300.00
SW Capital - Landfill Gas Project	150,000.00	0.00	150,000.00	0.00	0.00	65,749.29	1,325,759.27
Total EXPENDITURES	16,894,964.00	8,578,129.09	8,316,834.91	50.77	14,912,534.44	12,650,211.77	12,661,117.03

Solid Waste

For Period Ending 31-Dec-2017



Solid Waste Report	2017 BUDGET	2017 ACTUAL	DIFFERENCE	PERCENTAGE	2016 ACTUAL	2015 ACTUAL	2014 ACTUAL
Up to Sept. 26/17			ACTUAL TO BUDGET	ACTUAL TO BUDGET			
Total Surplus (-)/Deficit	0.00	(2,654,339.78)	2,654,339.78	0.00	(1,404,094.13)	(1,675,653.53)	(1,493,253.79)

Solid Waste Summary Report

For Period Ending 31-Dec-2017



Solid Waste Summary	2017 BUDGET	2017 ACTUAL	DIFFERENCE	PERCENTAGE	2016 ACTUAL	2015 ACTUAL	2014 ACTUAL
Up to Sept. 26/17			ACTUAL TO BUDGET	ACTUAL TO BUDGET			
REVENUES							
Tax Requisition	(5,750,672.00)	(5,750,672.32)	0.32	100.00	(7,043,406.14)	(6,692,453.33)	(6,117,721.00)
Grants & Interest on Reserves	(600,000.00)	(690,782.69)	90,782.69	115.13	(735,247.82)	(665,204.59)	(717,138.17)
Fees (includes Cash short/over)	(3,892,670.00)	(3,098,363.68)	(794,306.32)	79.59	(3,725,905.47)	(4,617,912.68)	(4,597,910.59)
Admin Fees from Other Functions	(19,500.00)	(19,500.00)	0.00	100.00	(12,500.00)	(19,500.00)	(19,500.00)
Recovered Costs	(20,000.00)	(48,802.37)	28,802.37	244.01	(32,089.79)	(143,675.37)	(84,716.52)
Commission & Miscellaneous	(151,511.00)	(163,736.81)	12,225.81	108.07	(169,698.35)	(87,227.33)	(78,644.54)
Transfer from Reserves	0.00	0.00	0.00	0.00	(2,535,000.00)	0.00	0.00
Unappropriated Surplus	(1,460,611.00)	(1,460,611.00)	0.00	100.00	(2,062,781.00)	(2,099,892.00)	(2,538,740.00)
Loan Proceeds	(5,000,000.00)	0.00	(5,000,000.00)	0.00	0.00	0.00	0.00
Total REVENUES	(16,894,964.00)	(11,232,468.87)	(5,662,495.13)	66.48	(16,316,628.57)	(14,325,865.30)	(14,154,370.82)
EXPENDITURES							
Administration / Operations (incl debt	1,968,184.00	1,184,904.65	783,279.35	60.20	1,712,020.94	1,701,086.33	1,374,548.47
Vehicles	44,500.00	25,893.28	18,606.72	58.19	46,761.12	42,168.97	42,521.29
Supplies (bank/computer/office/shop)	55,000.00	39,888.08	15,111.92	72.52	60,598.53	51,127.79	42,368.06
Transfer to Reserves	3,720,000.00	1,220,000.00	2,500,000.00	32.80	609,923.21	640,460.67	2,691,737.92
Landfills - O & M	161,000.00	69,828.30	91,171.70	43.37	224,842.39	160,204.88	78,839.03
Transfer Stations - O & M	235,000.00	157,191.32	77,808.68	66.89	134,323.24	137,588.21	216,143.22
Landfills - Contractors	3,276,000.00	2,162,564.56	1,113,435.44	66.01	3,225,206.09	2,701,079.96	2,196,140.85
Transfer Stations - Contractors	1,633,000.00	1,074,562.63	558,437.37	65.80	1,591,027.27	1,518,944.79	1,539,455.15
Transport / Haul	986,000.00	628,347.98	357,652.02	63.73	984,212.98	692,335.46	762,418.61
Landfill Gas System	0.00	0.00	0.00	0.00	1,912.50	14,142.00	0.00
Recycling	2,161,780.00	876,676.56	1,285,103.44	40.55	2,337,411.16	2,172,244.00	2,106,385.91
Clean Up Program	100,000.00	53,919.53	46,080.47	53.92	116,819.85	112,786.06	110,892.82
Water Monitoring	178,500.00	14,643.18	163,856.82	8.20	109,772.75	107,854.88	96,843.52
Remediation / Closure / Site Selection	50,000.00	200.00	49,800.00	0.40	8,942.50	0.00	0.00
Capital	2,326,000.00	1,069,509.02	1,256,490.98	45.98	3,748,759.91	2,598,187.77	1,402,822.18
Total EXPENDITURES	16,894,964.00	8,578,129.09	8,316,834.91	50.77	14,912,534.44	12,650,211.77	12,661,117.03
Total Surplus (-)/Deficit	0.00	(2,654,339.78)	2,654,339.78	0.00	(1,404,094.13)	(1,675,653.53)	(1,493,253.79)



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.