



**PEACE RIVER REGIONAL DISTRICT
Solid Waste Committee**

for the meeting to be held on **Tuesday, March 2, 2017**
at the Regional District offices, 1981 Alaska Avenue, Dawson Creek, BC
commencing at 10:00 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 February 7, 2017
 5. **Business Arising from the Minutes:**
 6. **Reports**
 - R-1 Report re: Waste Compaction Feasibility Study for Hudson's Hope and Tumbler Ridge Transfer Stations.
 - R-2 Oral update - Site C – BC Hydro solid waste generation data request
 - R-3 Oral update - North Peace Regional Landfill utilization meeting with PNG
 - R-4 Draft amendment to Regional Solid Waste Management Plan
 - R-5 Report re: assignment of solid waste contracts
 - R-6 Report re: Solid Waste budget reduction (handout)
 7. **New Business:**
 - NB-1 Review the Regional Solid Waste Management Plan (Sections 1 to 5)
(attached separately)
 8. **Adjournment:**
-



PEACE RIVER REGIONAL DISTRICT Solid Waste Committee Meeting Minutes

DATE: Tuesday, February 7, 2017

PLACE: Regional District offices, Dawson Creek, BC

PRESENT: Director Dan Rose, Electoral Area 'E' – Committee Chair
Director Karen Goodings, Electoral Area 'B' – via telephone
Alternate Director Mel Deck, District of Chetwynd
Director Dale Bumstead, City of Dawson Creek
Director Lori Ackerman, City of Fort St. John
PRRD Chair Brad Sperling, ex officio

Staff

Paulo Eichelberger, General Manager of Environmental Services
Kim Frech, Chief Financial Officer
Phil Kovacs, Manager of Solid Waste Services
Loryn Day, Solid Waste Coordinator
Suzanne Garrett, Corporate Services Coordinator

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

ADOPTION OF THE AGENDA:

2) Adoption of the Agenda MOVED by Director Ackerman, SECONDED by Director Bumstead, that the Solid Waste Committee agenda for the February 7, 2017 meeting including Director's new business and 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 January 7, 2017

Business Arising from the Minutes

Correspondence

Reports

New Business

NB-1 Review of 2017 Solid Waste budget

NB-2 Review of Sections 3, 4, and 5 of the RSWMP

NB-3 Discuss transition from Eco-Depot to Recycle-It contract services

NB-4 pRRRdy 2017 Calendar

Items for Information

Adjournment

CARRIED.

MINUTES:

3) M-1 Jan 7, SWC Mtg Min. MOVED by Director Ackerman, SECONDED by Director Bumstead, That the Solid Waste Committee meeting minutes of January 7, 2017 be adopted.

CARRIED

BUSINESS ARISING FROM THE MINUTES:

4) Item 8 It was noted that the Committee would like to review the RSWMP from the beginning, so Sections 1 and 2 will be added to the list.

NEW BUSINESS:

5) NB-4 pRRRdy
Calendar

2017 Waste Reduction Calendar, page 13 - reference is made to illegal dumping – it was felt that the statement insinuates rural residents are doing the dumping in ditches, etc. This clause should be reworded.

It was suggested that illegal dumping complaints be documented to garner an understanding of where material is coming from.

2017 Waste Reduction Calendar, page 14 - reference is made to “preparing your recyclables”. It is felt that there are different rules for different areas, i.e. Is it necessary to wash, sort and remove labels from recyclable items? Should be the same rules for all residents regardless. It was noted that recycling in the rural areas is administered under the MMBC program – sorting, washing, etc. are part of this program.

Action Item

Staff will request that page 13 and 14 be reworded for the 2018 calendar.

6) NB-1 Review
of 2017 budget

Discussion points:

- Grants-in-Lieu, could be increased – shared with other functions.
- Line 155 Shared Admin costs, identified error
- MMBC and Tumbler Ridge, line 167 – residential portion is returned to the District of Tumbler Ridge. Cost effective rather than paying transportation costs to haul items back to Dawson Creek.

MOVED by Director Ackerman, SECONDED by Alternate Director Deck,
That staff be authorized to prepare a report, for the April solid waste committee meeting, providing a background summary and review of current waste and recycling arrangements at the Tumbler Ridge Transfer Station, said report to identify operational efficiencies for the development of consistent region-wide delivery of services.

CARRIED.

- Change “unappropriated” surplus to “appropriated” surplus (all functions?)
- For tracking purposes, add a separate line item for the Waste Composition Study (special project)
- Unit 15 reduce
- Line item 362 – create an additional line item to track credit card expenses attributed to point-of-sale transactions at solid waste sites
- Line item 605 – will be removed, carbon neutral now
- Item item 608 - \$10 million, add \$120,000
- Line item 793 – change the corresponding note so they are same
- Line item 799 – Paulo/Phil to check on
- Line item 872 – change contract amount to reflect Board resolution
- Line item 873 – curbside recycling, expand it to detail costs split by community municipal / rural areas
- Line item 985 - leave in

MOVED by Director Bumstead, SECONDED by Director Goodings,
That the Solid Waste Committee accepts the 2017 Regional Solid Waste Management budget, as presented and amended, and forward it to be included in the budget process.

CARRIED.

- 6) Budget (continued) MOVED by Director Ackerman, SECONDED by Alternate Director Deck, That the Solid Waste Committee recommends to the Regional Board that Peter Schriber, PNG be invited to attend a future Solid Waste meeting to explain what requirements PNG needs prior to accepting the landfill gas being produced at the North Peace Regional Landfill.
- CARRIED.
- MOVED by Director Ackerman, SECONDED by Director Bumstead,
- a) That the Solid Waste Committee recommends to the Regional Board that it renew its solid waste agreements with its municipal partners; and
- a) That staff be authorized to review all of the solid waste agreements with respect to fairness, consistency, level of same service and how these agreements meet the parameters/criteria established in the Regional Solid Waste Management Plan.
- CARRIED.
- 7) NB-2 Review of Regional Solid Waste Management – referred to next meeting.
- 8) NB-3 recycling Program Members were advised that a letter has been forwarded to the municipalities advising that effective March 1, 2017 the recycling program contract will be taken over by the new contractor R-3 in Fort St. John. Staff will be contacting municipal staff to provide additional information on the transition to the new service provider.
- 9) 2017 Meeting Schedule March 2; April 6; May 4; June 1; July 6; August 3; **September 7 (same day as Board meeting)**; October 5; November 2; and December 7.
- 10) Committee Report MOVED by Director Goodings, SECONDED by Director Bumstead, That the recommendations from the Solid Waste Committee meeting of February 7, 2017 be recommended to the Regional Board for approval.
- CARRIED.
- 12) Adjournment The meeting adjourned at 12:50 pm

Director Dan Rose,
Chair – Solid Waste Committee

S. Garrett,
Corporate Services Coordinator



REPORT

To: Solid Waste Committee

Date: February 15, 2017

From: Loryn Day, Solid Waste Coordinator

Subject: Summary of the Waste Compaction Feasibility Study for Hudson's Hope and Tumbler Ridge Transfer Stations

RECOMMENDATION(S):

For Information

BACKGROUND/RATIONALE:

As per Board Resolution,
CW-1 SOLID WASTE MANAGEMENT PLAN

Recommendation No 3 RD/15/10/27 (22)
MOVED Director Goodings, SECONDED Director Plowright,
That staff investigate and bring forward a report on waste compaction as an option to reduce hauling costs under the Solid Waste Management Plan for the Hudson's Hope and Tumbler Ridge transfer stations. CARRIED.

The Peace River Regional District (PRRD), contracted SLR Consulting (SLR) to conduct a Waste Compaction Feasibility Study (Study) at Hudson's Hope and Tumbler Ridge transfer stations in the summer of 2016. These two sites are unique in that they have two or three transtor bins that residents can discard waste into (Figure 1 and 2). Excel Trucking is then contracted to service these sites and haul the collected waste to the Chetwynd Landfill.

In completing the Study, SLR performed site visits to assess transtor bin loading/ unloading operations and interview site attendants, reviewed solid waste data compiled from Compuweigh, and held discussions with the manufacturer of the Transtor bins to analyze the current situation and provide recommendations for future use.



Figure 1 Transtor Bins - Front View (Hudson's Hope)



Figure 2 Transtor Bins - Rear View (Tumbler Ridge)

Several operational inefficiencies were noted in the Study:

- First being that the bins were not being filled to capacity when hauled; the average weight of the transtor bins when removed ranges from 1.8 to 2.0 tonnes, which is approximately 20% lower than the average weights reported by Haul-All (transtor bin manufacturer) for full bins.
- Second, the single chute access at the top of the bin is causing an unequal distribution of waste within the bins. When waste is deposited into the single chute, the waste accumulates as a pile in the center of the bin and unless the container lid is fully opened, the full capacity of the bin is not utilized. Furthermore, bulky waste causes blockages or “bridging” in the transtor bins that can result in void spaces and inefficient packing of waste in the bins.

SLR provided several recommendations for addressing the inefficiencies of the hauling and operation of the transtor bins:

- To reduce haulage frequency by maximizing the capacity of solid waste placed within each bin.
- The schedule for bin collection should be revised for both sites to one set day per week for collection, with the attendant monitoring the capacity of the bins on a daily basis and then scheduling additional pickups as needed. This could lead to a 33% reduced number of bin tips per site resulting in 224 fewer tips and a cost savings of \$53,600 annually.
- That one dedicated bin at each site have the large top lid remain open during operating hours
- The installation of separate UP2CC Commercial Compactors (similar to the blue compactor at the rural transfer stations) or trailer compactor that could be installed at each site for household waste.
- Waste haulage could be undertaken using a trailer equipped with an on-board waste compactor.

Based on the Study provided by SLR there are two steps that the PRRD, Solid Waste Department should consider.

1. Work with the hauling company, Excel Trucking, and the respective Districts (Tumbler Ridge and Hudson's Hope) to reduce the hauling frequencies, as suggested by SLR.

Summary of the Waste Compaction Feasibility Study at Hudson's Hope and Tumbler Ridge

2. Have the large top lid open on one dedicated bin at both sites during operating hours, as suggested by SLR.
3. Modify the lids of the bins for dual chutes to accommodate more waste, which Public Works can accomplish with no capital costs.

The steps mentioned above would be the first course of action to provide operation and haulage efficiencies while being economically conscious and encourage cost savings.

STRATEGIC PLAN RELEVANCE:

Solid Waste Operations

FINANCIAL CONSIDERATION(S):

N/A

COMMUNICATIONS CONSIDERATION(S):

N/A

OTHER CONSIDERATION(S):

Attachments:

Report – SLR –Waste Compaction Feasibility Study at Hudson's Hope and Tumbler Ridge Transfer Stations

December 21, 2016

Mr. Paulo Eichelberger
Manager, Solid Waste Services
Peace River Regional District
Box 810, 1981 Alaska Avenue
Dawson Creek, BC V1G 4H8

Dear Mr. Eichelberger

RE: *Final Report - Waste Compaction Feasibility Study at Hudson's Hope and Tumbler Ridge Transfer Stations*

1.0 INTRODUCTION

1.1 Background

SLR Consulting (Canada) Ltd. has been retained by the Peace River Regional District (PRRD) to conduct a waste compaction feasibility study at the Hudson's Hope and Tumbler Ridge Transfer Stations. The relevant background to this assignment is summarized as follows:

- the Tumbler Ridge (TR) and Hudson's Hope (HH) Transfer Stations are situated on former landfills and utilize either three or two TS500 Transtor bins (Transtors) respectively;
- typically the Transtors are emptied two to three times weekly at HH, and three times per week at TR. The waste is hauled loose by walking floor trailer to the Chetwynd landfill for disposal, which is approximately 65 km from HH and 100 km from TR; and,
- the PRRD has undertaken this study to identify alternatives for reducing the waste trucking costs, through implementation of waste compaction prior to, or during haulage, or other cost reduction measures.

1.2 Report Objectives

This letter report is main deliverable of the compaction study undertaken by SLR and presents the following:

- documentation of site visits made to the TR and HH sites, including interviews with site attendants, and operational observations made by SLR of waste being accumulated in the Transtors and their subsequent emptying into haulage trucks. Daily reports, including photographs, of each site visit are provided;
- review of data provided by the PRRD regarding the waste tonnage hauled from HH and TR to the Chetwynd Landfill, as well as the associated costs;

R-1

- information received from Haul-All, the manufacturer of the Transtor bins regarding typical operating procedures, and modifications that are available to increase performance;
- analysis and discussion of the observations made from the site visits, the data review, and information provided by the supplier of the Transtors regarding possible means of reducing the waste haulage costs; and,
- recommendations derived from the noted activities regarding possible means of reducing the waste haulage costs.

2.0 DOCUMENTATION OF SITE VISITS

2.1 Overview

- Field visits to the TR and HH sites were undertaken by SLR on July 26th and July 27th, 2016. Activities undertaken during the site visits included:
 - familiarization with site layout and waste collection/diversion operations undertaken;
 - interviews with the site attendants to gain an understanding of typical day-to-day operations, and especially activities related to the depositing of waste in the Transtors and their subsequent emptying for waste haulage to the Chetwynd Landfill; and,
 - direct observation (including collecting photographs and video clips) of site activities.

2.2 Specific Observations at Tumbler Ridge

The report from the visit to the TR site is provided in **Appendix A**. Video clips of the Transtors being emptied have been forwarded to the PRRD electronically. Specific observations relevant to this study are summarized as follows:

- TR has three Transtors. The top lid of each bin has a single waste drop chute;
- the interview with the site attendant reflected that:
 - o the bins are emptied three times per week (Mon, Weds, Fri), noting that waste quantities were sufficiently large that emptying three days per week was required. Of the three days, the volume of waste recovered on Wednesday was typically less than Monday and Friday;
 - o the bins were reported to be about $\frac{3}{4}$ full to full when tipped;
 - o the presence of bulky items (i.e. furniture, mattresses, etc.) in the Transtors impeded the natural densification of waste in the bins;
- video clips recorded by SLR suggest that the bins are less than $\frac{3}{4}$ full at the time the videos were recorded. This appears to be the case for all three bins;

- on the day of the site visit, the top lid on one of the three bins was observed to be open, apparently to facilitate discharge of waste from a pick-up truck into the bin. The top lids of the other two bins were observed to be closed for the duration of the site visit. In this case site users are required to open the drop chute (e.g. a considerably smaller opening than when the lid is fully open) to deposit waste into the bin; and,
- when the Transtors are emptied, they are tipped into an open-top haulage truck with no on-board compaction unit.

2.3 Specific Observations at Hudson's Hope

The report from the visit to the HH site is provided in **Appendix A**. Video clips of the Transtors being emptied have been forwarded to the PRRD electronically. Specific observations relevant to this study are summarized as follows:

- HH has two Transtors. The top lid of each bin has a single drop chute;
- the interview with the site attendant reflected that:
 - o the bins are emptied two times per week (Mon Fri) during winter months and three times per week during summer months. The volume of waste recovered is of similar magnitude for all collection days;
 - o the bins were reported to be about ½ full when tipped;
 - o the presence of bulky items (i.e. furniture, mattresses, etc.) in the Transtors impeded the natural densification of waste in the bins;
- video clips recorded by SLR suggest that the bins are less than ½ full at the time the videos were recorded. This appears to be the case for both bins;
- on the day of the site visit, the top lid on both of the bins was observed to be closed for the duration of the site visit. In this case users are required to open the drop chute to deposit waste into the bin; and,
- when the Transtors are emptied, they are tipped into an open-top haulage truck with no on-board compaction unit.

3.0 REVIEW OF PRRD WASTE HAULAGE DATA

The PRRD provided SLR with an electronic record of the weight of each load hauled from TR and HH as recorded at the Chetwynd Landfill scale (pls see **Appendix B**). The data record covers approximately one-year period from February 2015 to January 2016. Additionally, the PRRD provided a copy of the haulage contract between the PRRD and Excel Waste Haulage which documents the flat rate charged for each Transtor tip, including haulage to the Chetwynd Landfill. The current contract price reflects a fuel cost of \$1/L, and includes a price adjustment mechanism for variations in fuel cost (pls see **Appendix C**).

The average weight of waste collected in each Transtor bin at the time it is tipped can be derived by dividing the weight of any given load from TR by three, and the weight of any given load from HH by two. A summary of this data is presented in **Table 1**.

Table 1:
Summary of Waste Tonnages Collected in Each Transtor

Site	Total Number of Transtor Tips	Lowest Weight per Transtor (tonnes)	Average Weight per Transtor (tonnes)	Highest Weight per Transtor (tonnes)
Tumbler Ridge	429	1.2	2.0	2.9
Hudson's Hope	264	0.4	1.8	3.1

The cost per tonne to collect and haul waste to the Chetwynd Landfill can be derived by dividing the contract price per tip at each site by the size of the load. A summary of these calculations is provided in **Table 2**. Under current conditions the sites are achieving an average density of 50kg/m³.

Table 2:
Summary of Cost per Tonne Analysis

Site	Lowest Cost per Tonne (\$)	Average Cost per Tonne (\$)	Highest Cost per Tonne (\$)
Tumbler Ridge	84	117	205
Hudson's Hope	77	127	544

4.0 REVIEW OF INFORMATION RECEIVED FROM HAUL ALL EQUIPMENT LTD.

SLR engaged Haul-All Equipment Ltd., the manufacturer of the Transtor bins, in a discussion about typical operations, performance, and optional modifications (September 26, 2016 discussion with Robert Niven, Lethbridge AB office, (403-328-7711). Haul-All subsequently provided costing information for the optional modifications discussed (pls see **Appendix D**). Key points arising from these discussions are summarized as follows:

- the maximum volumetric capacity of the Transtor bins at HH and TR is 40 m³;
- waste can be deposited in the Transtor in two ways:

- o the entire top lid can be retracted to provide access to the full area of the Transtor (e.g. for dumping of packer trucks into the Transtor); or,
 - o through the drop chute in front portion of the top lid. The Transtors can be supplied with a standard single chute, an enlarged single chute, or a dual chute;
- when waste is deposited via the drop chute with the top lid in the closed position, a common phenomenon is the development of a 'cone' of waste immediately below the chute, which can impede getting waste to the further/deeper portions of the Transtor. As such Transtors with single chutes are more difficult to load fully as compared to Transtors with dual chutes;
- currently Haul-All does not offer a compactor unit that can be retrofitted inside the Transtors;
- case history information was provided for the Drumheller Solid Waste Management Association (Drumheller, AB), which has been using the Transtor system for over 30 years. They are currently operating 36 Transtors at 19 sites, which are serviced with 1 compaction trailer. Average compactor trailer loads are 16 tonnes, consisting of waste from 6 to 8 Transtors, resulting in an average of 2 to 2.6 tonnes per Transtor. The Transtor units operated by the Association have a volumetric capacity of 40 yds³. This volume corresponds to 30.5 m³, which is smaller than the TS500 units operated by PRRD.

5.0 DISCUSSION

The main conclusion drawn from the activities discussed in **Sections 2** through **4** are that the Transtors are being emptied prior to reaching their maximum capacity. This conclusion is based on the following:

- on the day of the site visits, only one Transtor (at TR) was observed to have the top lid fully open, to accommodate a larger waste load brought in by a pick-up truck. In all other cases observed at both sites, users were required to deposit waste into the bins via the single drop chute. Information obtained from the site attendants is consistent with that provided by Haul-All, in that waste appears to be typically accumulating immediately beneath the opening of the drop chute, and not being redistributed to the back of the Transtor. This is exacerbated when large or bulky items such as mattresses or furniture are placed in the Transtor;
- site attendants indicate the Transtors are between $\frac{1}{2}$ to $\frac{3}{4}$ full at the time they are tipped, however the video clips recorded by SLR during the site visits show that the volume of waste being tipped is considerably less than the total volume of the bin; and,
- PRRD's weight data summarized in **Table 1** indicates that the average weight of waste in the TR and HH Transtors ranges from 1.8 to 2.0 tonnes. This range is approximately 20% lower than the average weights reported by Haul-All in the Drumheller case history, *notwithstanding* that Drumheller's Transtors are approximately 25% smaller than the TS500 units operated by PRRD. Although SLR has insufficient information to fully validate this comparison (i.e. to account for potential differences such as waste type,

operational practices, etc.), it clearly suggests that higher load weights could be achieved at the TR and HH sites. On the basis of this case study, results suggest that at least a 50% greater tonnage could be achieved in the Transtors which translates to 1/3 fewer bin tips overall.

- It is noteworthy that typical information on waste density is provided in the BC MOE's guidance document on establishing transfer stations.¹ This document suggests that a density of 150kg/m³ may be used for typical, uncompacted municipal waste. While the direct applicability of this value to the TR and HH cases is not known, it also suggests that an increase in waste per bin tip is achievable.

6.0 CONSIDERATION OF REVISIONS TO REDUCE HAULAGE COSTS

6.1 Operational Modifications

6.1.1 Reduced Haulage Frequency

First and foremost, SLR recommends that PRRD focus on maximizing the volume and compaction of waste in the Transtors before they are tipped, to reduce the number of bin tips thereby decreasing the overall annual operational costs of hauling waste from these sites.

In light of the potential volumes that can be achieved in these transtor units, as indicated in **Section 5.0**, the collection schedule for these sites should be adjusted accordingly. At present, the schedules are as follows:

- Tumbler Ridge WTS - the bins are emptied three times per week (Mon, Weds, Fri);
- Hudsons Hope WTS - the bins are emptied two times per week (Mon Fri) during winter months and three times per week during summer months.

As a suggested first step, the set schedule for bin collection should be revised for both sites to one set day per week for collection, with the attendant monitoring the capacity of the bins on a daily basis and then scheduling additional pickups as needed. SLR recommends that this approach be adopted for a minimum 6 month trial period. Over this period, regular communication with the attendants as well as monitoring of the weigh scale receipts at the receiving landfills is recommended. These additional steps will help highlight any operational issues and indicate any increase in volumes of waste coming from the sites. Once the trial period has concluded, a review of the transfer stations performance should be assessed to ascertain whether further operational revisions or capital expenditure options are necessary.

Conservatively speaking, it is SLR's opinion that the number of bin tips for both sites could be reduced by as much as 33% overall, which translates to 224 fewer tips per year and

¹ *Guidelines for Establishing Transfer Stations for Municipal Solid Waste" Report prepared for the Ministry of Environment, Lands & Parks by UMA Engineering Inc, of Victoria, BC. www2.gov.bc.ca/waste/garbage/guidelinesestablishingtransferstationsmunicipalsolidwaste.pdf, accessed December 19, 2016.*

corresponds to a savings of **\$53,600** annually based on the \$239.44 tipping rate per bin as per the current haulage contract.

6.1.2 Additional Operational Revisions

SLR believes there are several additional operational options that could be considered to potentially increase the amount of waste prior to the bins being tipped:

1. One Transtor unit at each site could be dedicated solely to large non-putrescible, inert bulky waste items. The large top lid on this bin would be left open during operating hours to allow easy access for depositing larger items. Collecting bulky waste separately from regular household waste will reduce the potential for larger items to block the flow of regular household waste, as is the current case. If this were implemented, additional consideration should be given to user safety (e.g. installation of guard rails to limit the potential of accidentally falling into the Transtor). An alternative is to use an open-topped roll-off bin for accumulating large non putrescible inert bulky waste items rather than collecting such waste in the Transtors. An additional pickup with a roll-off truck would need to be scheduled for this approach.
2. The remaining bins on site, which consist of two Transtors for TR and one for HH could be dedicated to typical household waste. In this case consideration should be given to retrofitting the lids with dual user chutes to reduce effect of waste 'coning'; this capital improvement is discussed further in **Section 6.2**.

For these operational modifications to be successful, the site attendant would also need to be pro-active in directing customers to deposit their waste in the appropriate Transtor, while striving to estimate when the bins will be at capacity and arranging pick-ups accordingly.

It is not realistically possible to estimate the additional cost reductions that could be achieved without additional site observations/data.

6.2 Capital Improvement Options

SLR believes that additional modifications could be made to the transfer stations to further increase waste loads prior to tipping, as follows:

1. The Transtors at TR and HH could be retrofitted with lids with dual chutes, to reduce the effects of waste coning. Haul-All has quoted a cost of **\$58,700** for both sites (e.g. five units, equating to \$11,740 per unit) for this modification. We understand that PRRD will be looking into the possibility of having these modifications carried out locally at lower cost (e.g. by a local welding/fabrication company).
2. A separate UP2CC commercial compactor bin could be installed at each site. A typical cost per unit is \$40,000, with an approximate installation cost of \$5,000. A concrete pad with an approximate cost of \$16,000 per site would also be required to provide a foundation surface for the compactor (i.e. based on costs quoted during the 2015 Transfer Station Upgrades Project). The total estimated cost of this option for both sites is \$122,000.

3. Waste haulage could be undertaken using a trailer equipped with an on-board waste compactor. A possible operating scenario would be to station the compaction trailer at one of the sites for several days, so that more than one Transtor load could be loaded into the trailer. Haul All is a supplier of compaction trailers that would be compatible with their Transtors. Their quoted cost for the purchase of a 48' transfer/compaction trailer is **\$276,000**. Options for leasing a compaction trailer were not discussed with Haul All at this time.

It is noteworthy that the costs noted for capital improvements exclude applicable taxes, as well as the cost of labour (by PRRD staff or otherwise) to oversee any procurement and installation required.

7.0 RECOMMENDATIONS

On the basis of the discussion presented in **Section 5**, we provide the following recommendations for the PRRD's consideration:

Recommendation 1: PRRD should evaluate the merits of decreasing the frequency of servicing the Transtors, and thereby reducing the cost to service the sites. Possible impacts on level of service and nuisance impacts should be taken into consideration.

Recommendation 2: PRRD should explore possibilities for accumulating more waste in each Transtor prior to servicing, in order to increase the amount of waste removed as suggested in section 6.

Recommendation 3: PRRD should contact other jurisdictions where Transtors are in use to learn about operating practices that might be applicable to the TR and HH sites.

Recommendation 4: PRRD should contact Haul All to request a representative to review the operations at the TR and HH sites with the intent of identifying potential improvements.

Recommendation 5: PRRD should consider the implementation of the operational recommendations 1 through 4 prior to making capital expenditures associated with purchasing/leasing compaction bins or trailers for these sites.

8.0 CLOSURE

We thank the PRRD for the opportunity to provide our professional services for this compaction feasibility study. We would be pleased to discuss the study results at your convenience.

Yours truly,

SLR Consulting (Canada) Ltd.

A handwritten signature in black ink, reading "Mark Sungaila". The signature is written in a cursive, flowing style.

Mark Sungaila, M.A.Sc., P.Eng. PMP
Principal Engineer

cc: Alan Cremen, SLR
Att: Appendices A-D

APPENDIX A

Site Visit Reports

Compaction Study Report
Peace River Regional District
SLR Project No.: 209.40392.00000

Daily Report

Project # & Site: 209.40392.00000 –Waste Compaction Study

SLR Representative: Dalen Peterson

Date: July 26th, 2016

Time: Onsite TR: 13:46-15:39
(GMT)

Contractor: N/A

Project Manager: Mark Sungaila & Alan Cremen – SLR Consulting Ltd.

Weather:

Morning: N/A

Afternoon: Sunny, 25°C

Personnel on Site:

TR

Dalen Peterson – SLR Consulting

Daily Activity:

TR

1. Took photos and basic measurements of site
2. Interviewed site operator
 - Confirmed routine site operations and locations for tire pile, electronics, batteries, paint products, oil/fuel containers, used oil disposal, compost, garden dirt mounds, auto pile, metal bins, propane bottle disposal, transtor bins, wood/burn pile and the recycling centre.
 - Transtor bins usually $\frac{3}{4}$ full to completely full when tipped. Specifically mentioned furniture, mattresses and other oversized items as things preventing natural densification of in the transtor bins.
3. Took field measurements of transtor bins.

Discussion:

Tumbler Ridge

1. Took basic measurements and photos of site. All relevant photos are included in this report.



Panorama from north end of site.



Panorama from east side of site.



Panorama from west side of site.



Panorama of the south end of site.

PRRD – Waste Compaction Study
Project #: 209.40392.00000

2. Took field measurements of Transtor bins.



View of the Transtor Units and Retaining Wall



Transtor top open to receive waste from a Pick Up



Single Chute Transtor Units



Garbage in Transtor Units

Remaining Work Items:

TR

1. Watch/video tipping of Transtor bins.

HH

1. Take photos and basic measurements of site.
2. Interview site operator.
3. Watch tipping of Transtor bins.

Daily Report

Project # & Site: 209.40392.00000 –Waste Compaction Study
SLR Representative: Dalen Peterson

Date: July 27th, 2016
Time: Onsite TR: 9:55-10:33 (GMT)

Onsite HH: 13:12-14:37 (GMT)

Contractor: N/A

Project Manager: Mark Sungaila & Alan Cremen – SLR Consulting Ltd.

Weather:

Morning: Sunny 14°C

Afternoon: Sunny, 26°C

Personnel on Site:

TR & HH

Dalen Peterson – SLR Consulting

Daily Activity:

TR

1. Took photos and videos of Transtor bins being tipped.
2. Interviewed truck driver
 - Mentioned that Wednesdays typically have less volume than Mondays and Fridays. The Transtor bins used to be packed full but since the mine closures he figured there is maybe 2/3 of the waste that there used to be.
 - Transtor bins get tipped every Monday, Wednesday and Friday. He mentioned there is still too much waste to skip one of the tipping days.

HH

1. Took photos and videos of Transtor bins being tipped.
 - Truck driver mentioned Wednesday is the slow day at Hudson's Hope as well. In the winter months he doesn't pick up Wednesdays due to typically minimal waste in the bins.

PRRD – Waste Compaction Study
Project #: 209.40392.00000

2. Took photos of site and basic measurements.
3. Interviewed site operator
 - Mentioned the transtor bins average about half full when they are dumped.
 - The west bin usually fills up quite a bit more than the east bin
 - Mentioned furniture, mattresses and other oversized items as waste that prevents the natural densification in the transtor bins.
 - Was concerned about the odours already coming from the transtor bins and that if a compactor bin was used if they would get worse with the waste being trucked away less frequently.

Discussion:

Tumbler Ridge

1. Took photos and videos of Transtor Bins being tipped



Hudson's Hope

1. Took basic measurements and photos of site.



Panorama from the east berm looking west.



Panorama from site entrance (south).



Panorama from Transtor bins looking east.



Panorama from burn pile looking east.

2. Took pictures and videos of Transtor bins being tipped.





Transtor units and retaining Wall



Single chute Transtor Units



Open top truck servicing the Transtor Units

Remaining Work Items:

TR

1. N/A

HH

1. N/A

APPENDIX B

Landfill Scale Receipts

Compaction Study Report
Peace River Regional District
SLR Project No.: 209.40392.00000

Bill Acct	Haul Acct	Site Code	Truck	OT Label	TT Label	TT	Trans Num	Date Out	MT Label	Net KG	MT Net TN	Total Fee	Note
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028292	1/28/2015	101-Household Separa	8310		8.31	457.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028313	1/30/2015	101-Household Separa	5600		5.6	308
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028338	2/2/2015	101-Household Separa	4750		4.75	261.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028358	2/4/2015	101-Household Separa	6280		6.28	345.4
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028385	2/6/2015	101-Household Separa	3800		3.8	209
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028408	2/11/2015	101-Household Separa	7650		7.65	420.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028434	2/13/2015	101-Household Separa	6940		6.94	381.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028488	2/18/2015	101-Household Separa	6950		6.95	382.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028522	2/20/2015	101-Household Separa	6880		6.88	378.4
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028552	2/23/2015	101-Household Separa	5010		5.01	275.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028578	2/25/2015	101-Household Separa	6940		6.94	381.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028604	2/27/2015	101-Household Separa	6190		6.19	340.45
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028628	3/2/2015	101-Household Separa	4770		4.77	262.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028640	3/4/2015	101-Household Separa	6290		6.29	345.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028672	3/6/2015	101-Household Separa	6350		6.35	349.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028726	3/9/2015	101-Household Separa	6560		6.56	360.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028740	3/11/2015	101-Household Separa	6040		6.04	332.2
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028839	3/18/2015	101-Household Separa	5880		5.88	323.4
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028876	3/20/2015	101-Household Separa	6000		6	330
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028911	3/23/2015	101-Household Separa	3830		3.83	210.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028920	3/25/2015	101-Household Separa	5190		5.19	285.45
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10028978	3/27/2015	101-Household Separa	6270		6.27	344.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029040	3/30/2015	101-Household Separa	7260		7.26	399.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029051	4/1/2015	101-Household Separa	6940		6.94	381.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029105	4/3/2015	101-Household Separa	7310		7.31	402.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029153	4/6/2015	101-Household Separa	2690		2.69	147.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029167	4/8/2015	101-Household Separa	8590		8.59	472.45
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029238	4/10/2015	101-Household Separa	6440		6.44	354.2
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029360	4/13/2015	101-Household Separa	5020		5.02	276.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029401	4/15/2015	101-Household Separa	6960		6.96	382.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029528	4/17/2015	101-Household Separa	7180		7.18	394.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029746	4/20/2015	101-Household Separa	6560		6.56	360.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029765	4/22/2015	101-Household Separa	6660		6.66	366.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029812	4/24/2015	101-Household Separa	7070		7.07	388.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029874	4/27/2015	101-Household Separa	6500		6.5	357.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029885	4/29/2015	101-Household Separa	7430		7.43	408.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10029974	5/1/2015	101-Household Separa	6950		6.95	382.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030053	5/4/2015	101-Household Separa	8370		8.37	460.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030059	5/6/2015	101-Household Separa	6910		6.91	380.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030115	5/8/2015	101-Household Separa	6840		6.84	376.2
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030225	5/11/2015	101-Household Separa	6930		6.93	381.15
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030234	5/13/2015	101-Household Separa	7070		7.07	388.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030305	5/15/2015	101-Household Separa	6740		6.74	370.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030532	5/25/2015	101-Household Separa	6600		6.6	363
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030542	5/27/2015	101-Household Separa	6030		6.03	331.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030603	5/29/2015	101-Household Separa	7400		7.4	407
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030662	6/1/2015	101-Household Separa	6150		6.15	338.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030671	6/3/2015	101-Household Separa	7770		7.77	427.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030733	6/5/2015	101-Household Separa	7740		7.74	425.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030824	6/8/2015	101-Household Separa	5250		5.25	288.75

DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030840	6/10/2015	101-Household Separa	6050	6.05	332.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030907	6/12/2015	101-Household Separa	6360	6.36	349.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030978	6/15/2015	101-Household Separa	5630	5.63	309.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10030987	6/17/2015	101-Household Separa	7010	7.01	385.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031061	6/19/2015	101-Household Separa	7330	7.33	403.15
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031129	6/22/2015	101-Household Separa	7750	7.75	426.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031141	6/24/2015	101-Household Separa	6310	6.31	347.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031202	6/26/2015	101-Household Separa	7050	7.05	387.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031267	6/29/2015	101-Household Separa	5160	5.16	283.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031278	7/1/2015	101-Household Separa	7640	7.64	420.2
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031325	7/3/2015	101-Household Separa	4940	4.94	271.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031413	7/6/2015	101-Household Separa	6810	6.81	374.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031434	7/8/2015	101-Household Separa	6580	6.58	361.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031509	7/10/2015	101-Household Separa	6540	6.54	359.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031580	7/13/2015	101-Household Separa	5060	5.06	278.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031589	7/15/2015	101-Household Separa	6520	6.52	358.6
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031660	7/17/2015	101-Household Separa	6720	6.72	369.6
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031735	7/20/2015	101-Household Separa	5770	5.77	317.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031748	7/22/2015	101-Household Separa	7290	7.29	400.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031808	7/24/2015	101-Household Separa	8500	8.5	467.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031874	7/27/2015	101-Household Separa	4290	4.29	235.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031888	7/29/2015	101-Household Separa	6050	6.05	332.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10031948	7/31/2015	101-Household Separa	6800	6.8	374
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032014	8/3/2015	101-Household Separa	5790	5.79	318.45
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032017	8/5/2015	101-Household Separa	8300	8.3	456.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032077	8/7/2015	101-Household Separa	7340	7.34	403.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032133	8/10/2015	101-Household Separa	7140	7.14	392.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032145	8/12/2015	101-Household Separa	5180	5.18	284.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032200	8/14/2015	101-Household Separa	6270	6.27	344.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032261	8/17/2015	101-Household Separa	6220	6.22	342.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032274	8/19/2015	101-Household Separa	6390	6.39	351.45
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032328	8/21/2015	101-Household Separa	7640	7.64	420.2
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032413	8/24/2015	101-Household Separa	6680	6.68	367.4
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032433	8/26/2015	101-Household Separa	5460	5.46	300.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032485	8/28/2015	101-Household Separa	6370	6.37	350.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032577	8/31/2015	101-Household Separa	7130	7.13	392.15
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032584	9/2/2015	101-Household Separa	5520	5.52	303.6
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032643	9/4/2015	101-Household Separa	7510	7.51	413.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032701	9/7/2015	101-Household Separa	4560	4.56	250.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032707	9/9/2015	101-Household Separa	7050	7.05	387.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032768	9/11/2015	101-Household Separa	6980	6.98	383.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032854	9/14/2015	101-Household Separa	4450	4.45	244.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032885	9/16/2015	101-Household Separa	7890	7.89	433.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10032935	9/18/2015	101-Household Separa	7250	7.25	398.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033003	9/21/2015	101-Household Separa	5630	5.63	309.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033021	9/23/2015	101-Household Separa	6120	6.12	336.6
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033119	9/25/2015	101-Household Separa	7410	7.41	407.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033197	9/28/2015	101-Household Separa	5090	5.09	279.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033205	9/30/2015	101-Household Separa	6370	6.37	350.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033353	10/5/2015	101-Household Separa	6440	6.44	354.2
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033361	10/7/2015	101-Household Separa	5050	5.05	277.75

DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033412	10/9/2015	101-Household Separa	6140	6.14	337.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033482	10/12/2015	101-Household Separa	4470	4.47	245.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033487	10/14/2015	101-Household Separa	6370	6.37	350.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033562	10/16/2015	101-Household Separa	7160	7.16	393.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033636	10/19/2015	101-Household Separa	5610	5.61	308.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033647	10/21/2015	101-Household Separa	5430	5.43	298.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033702	10/23/2015	101-Household Separa	6820	6.82	375.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033751	10/26/2015	101-Household Separa	5440	5.44	299.2
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033782	10/28/2015	101-Household Separa	5300	5.3	291.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033836	10/30/2015	101-Household Separa	7090	7.09	389.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033907	11/2/2015	101-Household Separa	4270	4.27	234.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033925	11/4/2015	101-Household Separa	6520	6.52	358.6
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10033962	11/6/2015	101-Household Separa	6860	6.86	387.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034026	11/11/2015	101-Household Separa	6010	6.01	330.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034033	11/11/2015	101-Household Separa	4550	4.55	250.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034061	11/13/2015	101-Household Separa	3590	3.59	197.45
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034103	11/16/2015	101-Household Separa	4290	4.29	235.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034125	11/18/2015	101-Household Separa	5830	5.83	320.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034147	11/20/2015	101-Household Separa	6200	6.2	341
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034183	11/23/2015	101-Household Separa	3620	3.62	199.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034194	11/25/2015	101-Household Separa	4820	4.82	265.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034222	11/27/2015	101-Household Separa	5560	5.56	305.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034254	11/30/2015	101-Household Separa	4050	4.05	222.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034282	12/2/2015	101-Household Separa	6350	6.35	349.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034313	12/4/2015	101-Household Separa	5970	5.97	328.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034346	12/7/2015	101-Household Separa	4580	4.58	251.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034359	12/9/2015	101-Household Separa	5230	5.23	287.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034386	12/11/2015	101-Household Separa	5620	5.62	309.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034412	12/14/2015	101-Household Separa	3650	3.65	200.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034421	12/16/2015	101-Household Separa	5450	5.45	299.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034452	12/18/2015	101-Household Separa	5880	5.88	323.4
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034489	12/21/2015	101-Household Separa	3540	3.54	194.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034509	12/23/2015	101-Household Separa	5730	5.73	315.15
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034554	12/28/2015	101-Household Separa	5100	5.1	280.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034587	12/31/2015	101-Household Separa	8310	8.31	457.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034632	1/4/2016	101-Household Separa	7250	7.25	398.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034645	1/6/2016	101-Household Separa	7050	7.05	387.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034668	1/8/2016	101-Household Separa	5540	5.54	304.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034704	1/11/2016	101-Household Separa	3750	3.75	206.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034722	1/13/2016	101-Household Separa	4670	4.67	256.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034747	1/15/2016	101-Household Separa	6010	6.01	330.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034777	1/18/2016	101-Household Separa	3500	3.5	192.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034794	1/20/2016	101-Household Separa	5220	5.22	287.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034823	1/22/2016	101-Household Separa	5220	5.22	287.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034849	1/25/2016	101-Household Separa	4110	4.11	226.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034866	1/27/2016	101-Household Separa	7060	7.06	388.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034894	1/29/2016	101-Household Separa	6100	6.1	335.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034923	2/1/2016	101-Household Separa	3340	3.34	183.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034932	2/3/2016	101-Household Separa	5030	5.03	276.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10034966	2/5/2016	101-Household Separa	4470	4.47	245.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035003	2/8/2016	101-Household Separa	4020	4.02	221.1

DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035009	2/10/2016	101-Household Separa	5090	5.09	279.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035045	2/12/2016	101-Household Separa	5160	5.16	283.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035081	2/15/2016	101-Household Separa	4210	4.21	231.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035094	2/17/2016	101-Household Separa	4710	4.71	259.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035123	2/19/2016	101-Household Separa	4020	4.02	221.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035153	2/22/2016	101-Household Separa	3740	3.74	205.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035170	2/24/2016	101-Household Separa	5070	5.07	278.85
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035202	2/26/2016	101-Household Separa	5310	5.31	292.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035239	2/29/2016	101-Household Separa	4830	4.83	265.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035268	3/2/2016	101-Household Separa	5630	5.63	309.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035296	3/4/2016	101-Household Separa	5200	5.2	286
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035323	3/7/2016	101-Household Separa	3260	3.26	179.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035333	3/9/2016	101-Household Separa	4520	4.52	248.6
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035366	3/11/2016	101-Household Separa	5800	5.8	319
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035405	3/14/2016	101-Household Separa	3910	3.91	215.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035420	3/16/2016	101-Household Separa	4810	4.81	264.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035468	3/18/2016	101-Household Separa	5560	5.56	305.8
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035510	3/21/2016	101-Household Separa	4700	4.7	258.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035522	3/23/2016	101-Household Separa	5180	5.18	284.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035551	3/25/2016	101-Household Separa	5860	5.86	322.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035581	3/28/2016	101-Household Separa	3690	3.69	202.95
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035595	3/30/2016	101-Household Separa	6420	6.42	353.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035645	4/1/2016	101-Household Separa	7710	7.71	424.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035699	4/4/2016	101-Household Separa	5650	5.65	310.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035706	4/6/2016	101-Household Separa	5180	5.18	284.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035758	4/8/2016	101-Household Separa	8060	8.06	443.3
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035870	4/13/2016	101-Household Separa	3980	3.98	218.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10035932	4/15/2016	101-Household Separa	7170	7.17	394.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036023	4/18/2016	101-Household Separa	5630	5.63	309.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036034	4/20/2016	101-Household Separa	6330	6.33	348.15
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036104	4/22/2016	101-Household Separa	6370	6.37	350.35
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036163	4/25/2016	101-Household Separa	5230	5.23	287.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036182	4/27/2016	101-Household Separa	5910	5.91	325.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036244	4/29/2016	101-Household Separa	5630	5.63	309.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036350	5/2/2016	101-Household Separa	5510	5.51	303.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036361	5/4/2016	101-Household Separa	5410	5.41	297.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036427	5/6/2016	101-Household Separa	5920	5.92	325.6
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036503	5/9/2016	101-Household Separa	5740	5.74	315.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036517	5/11/2016	101-Household Separa	7080	7.08	389.4
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036577	5/13/2016	101-Household Separa	5810	5.81	319.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036664	5/18/2016	101-Household Separa	5780	5.78	317.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036717	5/20/2016	101-Household Separa	5130	5.13	282.15
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036760	5/23/2016	101-Household Separa	4300	4.3	236.5
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036773	5/25/2016	101-Household Separa	6630	6.63	364.65
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036832	5/27/2016	101-Household Separa	5940	5.94	326.7
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036890	5/30/2016	101-Household Separa	5550	5.55	305.25
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036931	6/1/2016	101-Household Separa	5310	5.31	292.05
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10036980	6/3/2016	101-Household Separa	6620	6.62	364.1
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037055	6/6/2016	101-Household Separa	5780	5.78	317.9
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037070	6/8/2016	101-Household Separa	4850	4.85	266.75
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037120	6/10/2016	101-Household Separa	7920	7.92	435.6

DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037177	6/13/2016	101-Household Separa	5210	5.21	286.55
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037201	6/15/2016	101-Household Separa	7240	7.24	398.2
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037240	6/17/2016	101-Household Separa	7790	7.79	428.45
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037276	6/20/2016	101-Household Separa	4990	4.99	274.45
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037356	6/23/2016	101-Household Separa	8530	8.53	469.15
DISTR004	CASH001	CH	FA1714	530-Tumbler Ridge	20-Residential Weigh	20	10037395	6/24/2016	101-Household Separa	5460	5.46	300.3

Bill Acct	Haul Acct	Site Code	Truck	OT Label	TT Label	TT	Trans Num	Date Out	MT Label	Net KG	MT Net TN	Total Fee	Note
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028320	1/30/2015	101-Household Separa	4760	4.76	261.8	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028345	2/2/2015	101-Household Separa	2490	2.49	136.95	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028387	2/6/2015	101-Household Separa	5440	5.44	299.2	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028413	2/11/2015	101-Household Separa	4160	4.16	228.8	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028442	2/13/2015	101-Household Separa	2860	2.86	157.3	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028528	2/20/2015	101-Household Separa	4780	4.78	262.9	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028562	2/23/2015	101-Household Separa	2910	2.91	160.05	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028610	2/27/2015	101-Household Separa	5140	5.14	282.7	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028632	3/2/2015	101-Household Separa	4290	4.29	235.95	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028649	3/4/2015	101-Household Separa	2130	2.13	117.15	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028680	3/6/2015	101-Household Separa	2850	2.85	156.75	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028717	3/9/2015	101-Household Separa	3340	3.34	183.7	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028750	3/11/2015	101-Household Separa	4720	4.72	259.6	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028845	3/18/2015	101-Household Separa	4580	4.58	251.9	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028883	3/20/2015	101-Household Separa	3500	3.5	192.5	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028901	3/23/2015	101-Household Separa	1520	1.52	83.6	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028927	3/25/2015	101-Household Separa	2680	2.68	147.4	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10028983	3/27/2015	101-Household Separa	2840	2.84	156.2	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029022	3/30/2015	101-Household Separa	4470	4.47	245.85	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029060	4/1/2015	101-Household Separa	3100	3.1	170.5	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029111	4/3/2015	101-Household Separa	5490	5.49	301.95	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029137	4/6/2015	101-Household Separa	1770	1.77	97.35	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029183	4/8/2015	101-Household Separa	2470	2.47	135.85	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029247	4/10/2015	101-Household Separa	3550	3.55	195.25	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029324	4/13/2015	101-Household Separa	3810	3.81	209.55	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029426	4/15/2015	101-Household Separa	2790	2.79	153.45	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029551	4/17/2015	101-Household Separa	3540	3.54	194.7	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029712	4/20/2015	101-Household Separa	3950	3.95	217.25	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029772	4/22/2015	101-Household Separa	2770	2.77	152.35	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029858	4/27/2015	101-Household Separa	3760	3.76	206.8	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029879	4/27/2015	101-Household Separa	3880	3.88	213.4	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029898	4/29/2015	101-Household Separa	2810	2.81	154.55	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10029978	5/1/2015	101-Household Separa	4080	4.08	224.4	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030039	5/4/2015	101-Household Separa	4240	4.24	233.2	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030068	5/6/2015	101-Household Separa	3090	3.09	169.95	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030121	5/8/2015	101-Household Separa	3350	3.35	184.25	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030204	5/11/2015	101-Household Separa	5360	5.36	294.8	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030246	5/13/2015	101-Household Separa	2690	2.69	147.95	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030312	5/15/2015	101-Household Separa	3850	3.85	211.75	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030515	5/25/2015	101-Household Separa	1970	1.97	108.35	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030551	5/27/2015	101-Household Separa	2800	2.8	154	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030609	5/29/2015	101-Household Separa	4040	4.04	222.2	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030652	6/1/2015	101-Household Separa	4530	4.53	249.15	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030679	6/3/2015	101-Household Separa	2460	2.46	135.3	
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030743	6/5/2015	101-Household Separa	2990	2.99	164.45	

DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030805	6/8/2015	101-Household Separa	3880	3.88	213.4
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030851	6/10/2015	101-Household Separa	2870	2.87	157.85
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030917	6/12/2015	101-Household Separa	3700	3.7	203.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030964	6/15/2015	101-Household Separa	3680	3.68	202.4
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10030998	6/17/2015	101-Household Separa	2840	2.84	156.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031072	6/19/2015	101-Household Separa	4590	4.59	252.45
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031116	6/22/2015	101-Household Separa	3990	3.99	219.45
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031148	6/24/2015	101-Household Separa	3310	3.31	182.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031210	6/26/2015	101-Household Separa	4530	4.53	249.15
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031247	6/29/2015	101-Household Separa	3770	3.77	207.35
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031281	7/1/2015	101-Household Separa	2910	2.91	160.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031331	7/3/2015	101-Household Separa	3480	3.48	191.4
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031395	7/6/2015	101-Household Separa	5150	5.15	283.25
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031444	7/8/2015	101-Household Separa	5490	5.49	301.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031521	7/10/2015	101-Household Separa	4560	4.56	250.8
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031567	7/13/2015	101-Household Separa	5770	5.77	317.35
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031599	7/15/2015	101-Household Separa	3340	3.34	183.7
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031665	7/17/2015	101-Household Separa	5110	5.11	281.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031717	7/20/2015	101-Household Separa	4860	4.86	267.3
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031755	7/22/2015	101-Household Separa	3650	3.65	200.75
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031812	7/24/2015	101-Household Separa	5980	5.98	328.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031855	7/27/2015	101-Household Separa	4540	4.54	249.7
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031898	7/29/2015	101-Household Separa	3410	3.41	187.55
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10031952	7/31/2015	101-Household Separa	3380	3.38	185.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032009	8/3/2015	101-Household Separa	3260	3.26	179.3
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032030	8/5/2015	101-Household Separa	3530	3.53	194.15
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032081	8/7/2015	101-Household Separa	3410	3.41	187.55
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032120	8/10/2015	101-Household Separa	3000	3	165
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032149	8/12/2015	101-Household Separa	3100	3.1	170.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032210	8/14/2015	101-Household Separa	3190	3.19	175.45
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032203	8/14/2015	800-Did Not Dump	0	0	0 broken line-weight was 13920kg
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032245	8/17/2015	101-Household Separa	3150	3.15	173.25
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032279	8/19/2015	101-Household Separa	3180	3.18	174.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032336	8/21/2015	101-Household Separa	4220	4.22	232.1
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032396	8/24/2015	101-Household Separa	4020	4.02	221.1
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032440	8/26/2015	101-Household Separa	2980	2.98	163.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032491	8/28/2015	101-Household Separa	3910	3.91	215.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032557	8/31/2015	101-Household Separa	4000	4	220
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032590	9/2/2015	101-Household Separa	3860	3.86	212.3
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032633	9/4/2015	101-Household Separa	2970	2.97	163.35
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032688	9/7/2015	101-Household Separa	4660	4.66	256.3
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032711	9/9/2015	101-Household Separa	3910	3.91	215.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032775	9/11/2015	101-Household Separa	5620	5.62	309.1
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032826	9/14/2015	101-Household Separa	3490	3.49	191.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032890	9/16/2015	101-Household Separa	3090	3.09	169.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032943	9/18/2015	101-Household Separa	3670	3.67	201.85

DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10032991	9/21/2015	101-Household Separa	3900	3.9	214.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033025	9/23/2015	101-Household Separa	2860	2.86	157.3
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033131	9/25/2015	101-Household Separa	3510	3.51	193.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033185	9/28/2015	101-Household Separa	4430	4.43	243.65
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033214	9/30/2015	101-Household Separa	3200	3.2	176
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033336	10/5/2015	101-Household Separa	3030	3.03	166.65
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033369	10/7/2015	101-Household Separa	3450	3.45	189.75
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033416	10/9/2015	101-Household Separa	3780	3.78	207.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033475	10/12/2015	101-Household Separa	3590	3.59	197.45
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033495	10/14/2015	101-Household Separa	3000	3	165
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033572	10/16/2015	101-Household Separa	2910	2.91	160.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033628	10/19/2015	101-Household Separa	3930	3.93	216.15
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033658	10/21/2015	101-Household Separa	2360	2.36	129.8
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033706	10/23/2015	101-Household Separa	2980	2.98	163.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033755	10/26/2015	101-Household Separa	3750	3.75	206.25
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033771	10/28/2015	101-Household Separa	2660	2.66	146.3
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033825	10/30/2015	101-Household Separa	3000	3	165
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033915	11/2/2015	101-Household Separa	4830	4.83	265.65
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10033968	11/6/2015	101-Household Separa	4870	4.87	267.85
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034028	11/11/2015	101-Household Separa	6150	6.15	338.25
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034065	11/13/2015	101-Household Separa	4490	4.49	246.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034112	11/16/2015	101-Household Separa	4340	4.34	238.7
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034148	11/20/2015	101-Household Separa	3990	3.99	219.45
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034189	11/23/2015	101-Household Separa	3310	3.31	182.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034228	11/27/2015	101-Household Separa	3250	3.25	178.75
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034262	11/30/2015	101-Household Separa	3810	3.81	209.55
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034319	12/4/2015	101-Household Separa	4410	4.41	242.55
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034355	12/7/2015	101-Household Separa	3780	3.78	207.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034392	12/11/2015	101-Household Separa	3100	3.1	170.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034417	12/14/2015	101-Household Separa	2970	2.97	163.35
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034459	12/18/2015	101-Household Separa	3040	3.04	167.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034498	12/21/2015	101-Household Separa	3230	3.23	177.65
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034515	12/23/2015	101-Household Separa	880	0.88	48.4
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034560	12/28/2015	101-Household Separa	4310	4.31	237.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034595	12/31/2015	101-Household Separa	4690	4.69	257.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034640	1/4/2016	101-Household Separa	2870	2.87	157.85
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034672	1/8/2016	101-Household Separa	4010	4.01	220.55
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034712	1/11/2016	101-Household Separa	3580	3.58	196.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034752	1/15/2016	101-Household Separa	2860	2.86	157.3
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034783	1/18/2016	101-Household Separa	2750	2.75	151.25
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034827	1/22/2016	101-Household Separa	3850	3.85	211.75
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034858	1/25/2016	101-Household Separa	3550	3.55	195.25
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034896	1/29/2016	101-Household Separa	3260	3.26	179.3
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034927	2/1/2016	101-Household Separa	3080	3.08	169.4
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10034970	2/5/2016	101-Household Separa	4040	4.04	222.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035008	2/8/2016	101-Household Separa	3380	3.38	185.9

DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035054	2/12/2016	101-Household Separa	4420	4.42	243.1
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035091	2/15/2016	101-Household Separa	3220	3.22	177.1
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035127	2/19/2016	101-Household Separa	3180	3.18	174.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035166	2/22/2016	101-Household Separa	3980	3.98	218.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035209	2/26/2016	101-Household Separa	2990	2.99	164.45
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035246	2/29/2016	101-Household Separa	3870	3.87	212.85
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035300	3/4/2016	101-Household Separa	2430	2.43	133.65
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035329	3/7/2016	101-Household Separa	2780	2.78	152.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035372	3/11/2016	101-Household Separa	3710	3.71	204.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035416	3/14/2016	101-Household Separa	3480	3.48	191.4
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035479	3/18/2016	101-Household Separa	3100	3.1	170.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035515	3/21/2016	101-Household Separa	4030	4.03	221.65
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035554	3/25/2016	101-Household Separa	3530	3.53	194.15
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035591	3/28/2016	101-Household Separa	1310	1.31	72.05
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035652	4/1/2016	101-Household Separa	5120	5.12	281.6
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035687	4/4/2016	101-Household Separa	4810	4.81	264.55
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035712	4/6/2016	101-Household Separa	2180	2.18	119.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035769	4/8/2016	101-Household Separa	3240	3.24	178.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035877	4/13/2016	101-Household Separa	2100	2.1	115.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10035941	4/15/2016	101-Household Separa	3100	3.1	170.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036008	4/18/2016	101-Household Separa	4010	4.01	220.55
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036048	4/20/2016	101-Household Separa	2280	2.28	125.4
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036108	4/22/2016	101-Household Separa	3190	3.19	175.45
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036150	4/25/2016	101-Household Separa	4430	4.43	243.65
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036198	4/27/2016	101-Household Separa	4230	4.23	232.65
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036254	4/29/2016	101-Household Separa	1980	1.98	108.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036332	5/2/2016	101-Household Separa	4490	4.49	246.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036368	5/4/2016	101-Household Separa	2490	2.49	136.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036438	5/6/2016	101-Household Separa	4490	4.49	246.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036488	5/9/2016	101-Household Separa	3920	3.92	215.6
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036528	5/11/2016	101-Household Separa	3240	3.24	178.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036581	5/13/2016	101-Household Separa	3440	3.44	189.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036677	5/18/2016	101-Household Separa	2840	2.84	156.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036724	5/20/2016	101-Household Separa	3690	3.69	202.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036753	5/23/2016	101-Household Separa	3780	3.78	207.9
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036784	5/25/2016	101-Household Separa	3340	3.34	183.7
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036841	5/27/2016	101-Household Separa	5150	5.15	283.25
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036901	5/30/2016	101-Household Separa	4790	4.79	263.45
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036936	6/1/2016	101-Household Separa	2890	2.89	158.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10036993	6/3/2016	101-Household Separa	4100	4.1	225.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037038	6/6/2016	101-Household Separa	5500	5.5	302.5
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037076	6/8/2016	101-Household Separa	2840	2.84	156.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037127	6/10/2016	101-Household Separa	2890	2.89	158.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037191	6/13/2016	101-Household Separa	3880	3.88	213.4
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037207	6/15/2016	101-Household Separa	3290	3.29	180.95
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037222	6/17/2016	101-Household Separa	3330	3.33	183.15

DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037281	6/20/2016	101-Household Separa	5640	5.64	310.2
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037369	6/23/2016	101-Household Separa	5450	5.45	299.75
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037409	6/24/2016	101-Household Separa	2470	2.47	135.85
DISTR002	CASH001	CH	FA1714	290-Hudsons Hope	20-Residential Weigh	20	10037461	6/27/2016	101-Household Separa	2230	2.23	122.65

APPENDIX C
Refuse Collection and Haulage Contract

Compaction Study Report
Peace River Regional District
SLR Project No.: 209.40392.00000



PEACE RIVER REGIONAL DISTRICT

Tumbler Ridge / Hudson's Hope Rural Refuse Collection and Transfer Services Contract No. 13-2015

Contact information:

Paulo Eichelberger,
Manager of Solid Waste Services
Peace River Regional District
Box 810, 1981 Alaska Avenue,
Dawson Creek, BC V1G 4H8

Telephone: (250) 784-3200

Toll Free: 1-800-670-7773

Fax: (250) 784-3201

Email: prrd.dc@prrd.bc.ca

www.prrd.bc.ca

diverse. vast. abundant.

TABLE OF CONTENTS

	Page #
Contract Agreement	2 - 11
General Conditions	12
Definitions of Terms	12
Contractors General Obligation	12
Sub-Contractors	13
Claims against and obligations of the Contractor or Sub-Contractor	13
Supervision and Labour	13
Delay, Non-Compliance or Default by Contractor	13 - 14
No Additional Payments	14
Permits and By-laws	14
Additional Instructions	14
Verbal Agreements	14
Accident Prevention	14
Forfeiture of Contract	14 - 15
Arbitration	15
Sales tax	15
Tender Form	16 - 18
Contract Specifications – Scope of Work	19
Schedules	
Schedule A – TS-500 Route Service	20
Schedule B – Weekly TS-500 Summary	21
Schedule C – List of Regional District Landfills	22
Schedule D – Maps	23

CONTRACT AGREEMENT

THIS AGREEMENT is dated for reference this 1st day of November, 2015.

BETWEEN:

Peace River Regional District, a regional district incorporated under the Local Government Act, and having an address at
Box 810, 1981 Alaska Avenue, Dawson Creek, BC
V1G 4H8
(T) 250-784-3200 [1-800-67-7773] (F) 250-784-3201

[the "Regional District"]

AND:

Excel Transportation Inc.
333 Ongman Road,
Prince George, BC V2K 4K9
(T) 250-563-7356 (F) 250-563-3201

[the "Contractor"]

WHEREAS, the Regional District and the Contractor wish to enter into a contract to engage the services of the Contractor for the rural refuse collection and transfer services with the supply of a walking floor trailer that will service TS-500 (50 yd) transsters located in Tumbler Ridge and Hudson's Hope.

WHEREAS the Regional District and the Contractor wish to enter a contract for the Contractor to provide refuse collection and transfer services from transfer sites for the Regional District.

NOW THEREFORE in consideration of the promises and mutual covenants contained in this Agreement, the parties hereto agree as follows:

TERM

1. This Agreement is for a term of three years, commencing November 1, 2015 subject to earlier termination in accordance with the terms of this Agreement, or unless extended by mutual agreement for consecutive one (1) year periods.

PAYMENT

2. Subject to Sections 4 and 5, the Regional District must pay to the Contractor, on the last day of each month, the amount calculated in accordance with the rates set out in the Tender Form for the Work performed by the Contractor in the month prior to the month in which payment is made.
3. The Contractor must on or before the 15th day of each month give to the Regional District a fee for service invoice for the Work done by the Contractor in the calendar month prior to the month in which the invoice is given, which invoice must set out in detail the Work done in that previous month and the rates set out in the Tender Form that are applicable to that Work.
4. Additionally, an up-to-date copy of a WorkSafe BC Clearance letter indicting that the Contractor is in good standing **must** accompany each invoice, or payment may be withheld.

CONTRACT AGREEMENT

FUEL RATE ADJUSTMENT

4. The Parties may adjust the Rates monthly within the Term in accordance with the following principles:

(a) the Rate shall include the following cost components which will stay the same for the Term:

Cost Component	
Fuel	30%

(a) cost components shall be determined and adjusted individually as follows:

(i) Monthly Fuel Escalation/De-escalation: Fuel represents 30.0% of the Trip rate noted in the tender form indicating price per bin tipped. Monthly fuel price adjustments will be based upon an increase or decrease in the price of fuel from bid date, and will be calculated as shown in the example at paragraph (c) below.

Each month following the contract commencement date, the contractor may adjust their original contract unit rate reflecting the change in the price of fuel. This will be calculated by the change in the fuel rate, in \$ per litre, at the end of the corresponding reported month, and then compared with the price of fuel at the commencement date of the contract.

It shall be understood that for the basis of all fuel adjustments the reference fuel outlet shall be the Dawson Creek CO-OP bulk station located in Dawson Creek, BC.

All invoices reflecting price adjustments must include all calculations verifying the unit rate change for invoice justification and shall be based on the original fuel rate of the contract commencement date of November 1st, 2015.

(b) Adjustments, if any, will be based upon percentage change in aggregate or average prices, as indicated in the proportions shown in the rate adjustment clause "a" and "b", and illustrated below:

Example #1: Fuel Calculation First Month

Current rate	=	\$200.00/Tip
Bid Rate Per Load	=	\$200.00/Tip
Bid Date Fuel Price	=	\$0.5683 per litre, excluding GST
Prior Monthly End Fuel Price	=	\$0.602398 per litre, excluding GST
Fuel increase	=	6% increase over base fuel rate of \$0.5683 per litre
Adjustment Calculation	=	$\$200.00 \times 0.30 = \$60.00 \times 1.06 = \$63.60$
New Rate	=	$(\$63.60 - \$60.00) + \$200.00 = \203.60

CONTRACT AGREEMENT

FUEL RATE ADJUSTMENT (continued)

4. c) **Example #2: Fuel Calculation Second Month**

Current rate	=	\$203.60/Tip
Bid Rate Per Load	=	\$200.00/Tip
Bid Date Fuel Price	=	\$0.5683 per litre, excluding GST
Prior Monthly End Fuel Price	=	\$0.7500 per litre, excluding GST
Fuel increase	=	31.9726 % increase over base fuel rate of \$0.5683.
Adjustment Calculation	=	$\$200.00 \times 0.30 = \$60.00 \times 1.319726 = \79.18
New Rate	=	$(\$79.18 - \$60.00) + \$200.00 = \219.18

PERFORMANCE SECURITY

5. As security for the Contractor's prompt and faithful performance of its obligations under this Agreement, including its warranty of the Work, the Contractor shall provide the Regional District, at the time of execution of this Agreement, performance security in the amount of \$50,000.00 (not including HST), which security shall be in effect until the end of the Contract Term and which security may, at the option of the Contractor, be in the form of cash or an irrevocable and unconditional letter of credit satisfactory to the Regional District (provided that if a letter of credit is provided which expires before the end of the Contract Term, then the Regional District may draw down on the letter of credit unless the Contractor provides a replacement letter of credit at least two weeks prior to expiry of the original letter of credit).

The Contractor agrees that the Regional District may use this performance security to cover all its own costs of remedying any default of the Contractor under this Agreement, including any failure of the Contractor to warrant the Work.

At the conclusion of the Contract Term, the performance security remaining, if any, shall be returned without interest to the Contractor.

If the Contractor breaches any term of this Contract, the Regional District may draw on the Performance Bond or Letter of Irrevocable Credit and apply the proceeds on account of any damages or expenses of any kind suffered or incurred by the Regional District as a result of the breach.

PAYMENT WITHHELD

6. The Regional District may withhold the whole or part of any payment to the Contractor to the extent necessary to protect itself from loss on account of one or more of the following:

- a) A breach of this Agreement by the Contractor;
- b) Defective Work is not being remedied in a timely fashion by the Contractor;
- c) The Contractor is failing to make prompt payments to anyone employed or engaged by the Contractor to do Work required of the Contractor under this Agreement;
- d) failure to provide an up-to-date copy of a WorkSafe BC Clearance letter, indicating that the Contractor is in good standing;
- e) There exists unsatisfied claims for damages against the Contractor by anyone employed on or engaged by the Contractor to do Work required of the Contractor under this Agreement.

CONTRACT AGREEMENT

COMPLIANCE WITH ENACTMENTS

7. The Contractor must comply with all laws and enactments that are applicable to the transport or deposit of Refuse, and, without limiting the foregoing, must obtain, and maintain, all permits and approvals required under any enactment for or in respect of the transport or deposit of Refuse.

MANAGER

8. The Regional District may, by giving written notice to the Contractor, designate a person as Manager for the purposes of this Agreement.
9. The Manager may give directions to the Contractor respecting the removal, transportation or disposal of Refuse and the Contractor must comply with such directions.

PAYMENT OF SUPPLIERS

10. Where sub-contractors or suppliers of material are not receiving prompt payment, the Regional District may make payments to such sub-contractors or suppliers directly and deduct the amount of such payments from amounts otherwise due to the Contractor.

OWNERSHIP OF REFUSE

11. All Refuse is the property of the Regional District.

REMOVAL OF TRANSFER STATIONS

12. If, for any reason, the Regional District cannot lawfully operate a Transfer Station, it may by notice in writing to the Contractor terminate the obligations of both parties under this Agreement in respect of that Transfer Station.

WORKERS

13. All workers employed by the Contractor or a subcontractor must have sufficient knowledge, skill and experience to perform properly the Work assigned to them and be tactful and courteous in dealing with the public. Any worker employed by the Contractor or a subcontractor who, in the opinion of the Regional District, does not perform his Work in a skillful manner, or appears to be incompetent or appears to act in a disorderly or intemperate manner, shall, at the written request of the Regional District, be removed from the site of the Work immediately and shall not be employed again in any portion of the Work without the approval of the Regional District.

CONTRACT AGREEMENT

TERMINATION

14. If the Contractor
 - a) commits any act of bankruptcy, or
 - b) makes a general assignment for the benefit of its creditors, or
 - c) if a receiver is appointed on account of its insolvency or in respect of any of its property, then, in any such case, the Regional District may, without notice, terminate this Agreement and retain the Performance Security.
15. If the Contractor
 - a) fails to comply with any request, instruction or order of the Regional District,
 - b) fails to make prompt payment to anyone employed or engaged by the Contractor to do the Work,
 - c) fails to comply with statutes, regulations, by-laws or directives of relevant authorities relating to the Work,
 - d) fails to prosecute the Work with skill and diligence,
 - e) assigns the Agreement or any portion thereof without the Regional District's written consent, or
 - f) refuses to correct defective Work,

or is otherwise in default in carrying out its part of any of the terms, conditions and obligations of the Agreement, then, in any such case, the Regional District may, upon expiration of ten days from the date of written notice to the Contractor, terminate this Agreement and retain the Performance Security.
16. Any termination of the Agreement by the Regional District, as aforesaid, shall be without prejudice to any other rights or remedies the Regional District may have.
17. If the Regional District terminates the Agreement, the Regional District may, without limiting any other remedy it may have:
 - a) finish the Work by whatever means the Regional District may deem appropriate under the circumstances;
 - b) withhold any further payments to the Contractor;
 - c) recover from the Contractor any loss, damage or expense incurred by the Regional District by reason of the Contractor's default (which may be deducted from any monies due or becoming due to the Contractor, with any balance to be paid by the Contractor to the Regional District).

TERMINATION WITHOUT CAUSE

18. Without limiting Sections 14, 15, 16 and 17 the Regional District or the Contractor may terminate this Agreement for any reason upon 60 days written notice to the other party.

CONTRACT AGREEMENT

PROVISIONS FOR CANCELLATION OF CONTRACT

19. The Owner reserves the right to cancel this Contract without cause on 60 days notice in which event the Contractor shall be paid by the Owner (insofar as such amounts shall not have already been covered by payments on account made to the Contractor) for all work executed prior to the date of termination, and in addition:
- a) the amounts payable in respect of any preliminary items so far as the work or service comprised therein has been carried out or performed, and a proper proportion (as certified by the Manager) or any such items, the work or service comprised in which, has been partially carried out or performed, insofar as such expenditures shall not have been covered by the aforementioned payments;
 - b) the cost of materials or goods reasonably ordered for the work or temporary work which shall have been delivered to the Contractor or of which the Contractor is legally liable to accept delivery (such materials or goods becoming the property of the Owner upon such payment being made);
 - c) the cost of removal of the Contractor's construction equipment and small tools from the works and (if required by the Contractor) return thereof to the location that shall have been considered the Contractor's headquarters for the works or to any other destination at no greater cost.

Provided always that, against any payments due from the Owner hereunder, the Owner shall be entitled to be credited with any sum previously paid by the Owner to the Contractor in respect of the execution of the works and the Owner shall not pay or be liable to pay any bonus, damage or other claim by the Contractor for loss of his expected profit on the uncompleted portions of the works.

CHANGES TO THE CONTRACT

20. It shall be noted that the Regional District has reviewed its Solid Waste Management Plan. The Plan establishes guidelines and objectives in the future management of solid waste and solid waste facilities. As a result of this revision different methods of solid waste disposal and collection may be implemented; these changes may affect the work or parts of this Contract. The Regional District reserves the right to cancel this Contract, upon 60 days written notice, should the work change significantly or in the event the Contract is no longer required.

INSURANCE

21. The Contractor must provide and maintain throughout the term of this Agreement, and pay for the following insurance policies, providing coverage to the Contractor, the Regional District and any sub-contractor performing Work provided by this Agreement:
- a) Comprehensive General Liability Insurance, and
 - b) Automobile Liability Insurance

CONTRACT AGREEMENT

INSURANCE (continued)

22. Comprehensive General Liability Insurance

- a) The Contractor must provide Comprehensive General Liability Insurance with limits of not less than Five Million (\$5,000,000.00) Dollars inclusive per occurrence for personal injury, death and damage to property including the loss of use thereof and shall include coverage for:
 - i) premises, activities and operations liability
 - ii) blanket contractual liability
 - iii) cross liability
 - iv) contingent employer's liability
 - v) owners and contractors protective
 - vi) occurrence basis property damage
 - vii) broad form property damage
 - viii) employees as insureds
 - ix) personal injury
 - x) broad form loss of use
 - xi) public liability
- b) The policy shall cover as unnamed insureds, anyone employed directly or indirectly by the Contractor to perform a part of parts of the Work.
- c) The form of this insurance shall be acceptable to the Regional District and shall be maintained continuously during the term of the Agreement. The policy shall be endorsed to provide the Regional District with not less than fifteen (15) days notice in advance of cancellation or termination.
- d) The policy shall include the Regional District as an Additional Insured.

23. Automobile Liability Insurance

- a) The Contractor shall provide and maintain liability insurance in respect of owned, non-owned and leased or rented licensed vehicles, subject to limits of not less than Five Million (\$5,000,000.00) Dollars inclusive.
- b) The policy shall cover as unnamed insureds, anyone employed directly or indirectly by the Contractor to perform a part of parts of the Work.
- c) The form of this insurance shall be acceptable to the Regional District and shall be maintained continuously during the term of the Agreement. The policy shall be endorsed to provide the Regional District with not less than fifteen (15) days notice in advance of cancellation or termination.
- d) The policy shall include the Regional District as an Additional Insured.

CONTRACT AGREEMENT

WORKERS' COMPENSATION

22. The Contractor must maintain Workers' Compensation Insurance in order to fully protect its employees and the Regional District. Additionally, an up-to-date copy of a WorkSafe BC Clearance letter, indicating that the Contractor is in good standing **must** accompany each invoice, or payment may be withheld.

ACCESS

23. The Regional District has the right to inspect the Contractor's vehicles and equipment at all reasonable times.

GOVERNING LAW

24. This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia.

AUTHORITY

25. The Contractor represents and warrants that it has full authority to enter into this Agreement and to carry out the actions contemplated herein and that all resolutions and preconditions to validity have been duly adopted.

INDEMNITY

26. The Contractor must indemnify and hold harmless the Regional District, its elected officials, officers, agents and employees from and against all liabilities, losses, damages, personal injury, death, property loss or damage, actions, causes of actions, costs (including legal fees and costs) or expenses in connection with loss of, or damage or injury (including death) to, any person or property that occurs in whole or in part as a direct or indirect result of breach of this Agreement by the Contractor or anything done in connection with the performance of this Agreement by the Contractor or by any person acting under or on behalf of the Contractor, whether suffered, incurred or made by the Contractor or an employee of the Contractor or by a third person and whether or not caused through a wilful or negligent act or omission or other actionable wrong of the Contractor, its officers, agents, employees, or subcontractors, or any of their officers, agents, or employees, and at its expense the Contractor must defend any and all actions and pay all damages and legal costs and other costs arising therefrom.

PERFORMANCE REVIEWS

27. The Regional District intends to conduct reviews of the Contractor's performance under this Agreement at least four times each year. The Contractor shall supply the Regional District with all information which may be reasonably necessary to enable it to complete the performance reviews referred to in this section.

CONTRACT AGREEMENT

RECORDS

28. The Contractor must maintain detailed, complete, accurate and up to date books of accounts and records relating to its operations under this Agreement or to the valuation of its Work under this Agreement.

AUDIT

29. The Regional District has the right at all reasonable times to inspect any of the Contractor's books of accounts or records relating to its operations under this Agreement, and the Contractor must, forthwith after a request from the Regional District, make such books of accounts and records available for inspection by the Regional District.

SUSPENSION OF WORK

30. The Regional District shall have the right, which may be exercised from time to time without invalidating the Agreement; to suspend performance by the Contractor of any part or the whole of the Work for such reasonable period of time as the Regional District may notify the Contractor. Save to the extent any such suspension arises from default by the Contractor, the Regional District shall pay to the Contractor the reasonable extra expenses incurred by the Contractor arising from the suspension, provided that in no event will the Regional District be liable to the Contractor for loss of profit, interest lost or any other damages or loss occasioned by the Contractor by reason of any such suspension of the Work. Such extra expenses shall be supported by audit, if necessary, carried out by auditors acceptable to the Regional District, prior to payment of same.

CHANGES IN THE SCOPE OF WORK

31. The Regional District may, without invalidating the Agreement, direct the Contractor to make changes to the Work. When a change causes an increase or decrease in the Work, the fee for the Work shall be increased or decreased by the application of unit prices to the quantum of such increase or decrease, or in the absence of applicable unit prices, by an amount to be agreed upon the Regional District and the Contractor. All such changes shall be in writing.

NOTICE

32. Any notice, waiver or other communication which may be, or is required to be, given under this Agreement must be in writing and be delivered or sent by facsimile transmission addressed to the other party at the address or facsimile number for that party set out on page 1 of this Agreement, or to such other address or facsimile number of which notice has been given as provided in this section.
33. Any notice, waiver or other communication that is delivered is to be considered to have been given on the next business day after it is dispatched for delivery. Any notice, waiver or other communication that is sent by fax transmission is to be considered to have been given on the day it is sent, if that day is a business day, and if that day is not a business day, it is to be considered to have been given on the next business day after the date it is sent. If a party changes its address or facsimile number, or both, it must promptly give notice of its new address or facsimile number, or both, to the other party as provided in this section.

CONTRACT AGREEMENT

SEVERANCE

34. If any portion of this Agreement is held to be illegal or invalid by a court of competent jurisdiction, the illegal or invalid portion must be severed and the decision that it is illegal or invalid does not affect the validity of the remainder of this Agreement.

BINDING ON SUCCESSORS

35. This Agreement enures to the benefit of and is binding upon the parties and their respective successors, subcontractors, trustees, administrators and receivers, despite any rule of law or equity to the contrary.

WAIVER

36. Waiver of any default by either party must be express and in writing to be effective, and a waiver of particular default does not waive any other default.

ENTIRE AGREEMENT

37. This Agreement is the entire agreement between the parties and it terminates and supersedes all previous communications, representations, warranties, covenants and agreements, whether verbal or written, between the parties with respect to the subject matter of this Agreement.

As evidence of the Agreement of the parties to be bound by the above terms and conditions of this Agreement, they have caused to be affixed below their respective corporate seals, attested to by the signatures of their respective officers duly authorized for that purpose, on the dates set out below:

THE CORPORATE SEAL of the Peace River
Regional District was hereunto affixed
in the presence of:



Chair



Chief Administrative Officer

(c/s)



Authorized signatory for the Company
was hereunto affixed in the presence of:



Authorized signatory

(c/s)

Authorized signatory

GENERAL CONDITIONS

1. DEFINITION OF TERMS, in the Contract:

Container

means a TS-500 (50 yd) Transtor;

Landfill

means a landfill described in Schedule C;

Manager

means the person appointed by the Regional District as Manager under Sections 11 and 12 of the Contract Agreement;

Owner

means **Peace River Regional District** (Regional District);

Refuse

means discarded materials, substances or objects accepted by the Regional District at a Transfer Station and/or Landfill;

Tender

means the written offer, or copy thereof, of the Tenderer to perform the Work specified by the Regional District in the Contract Documents, properly signed and guaranteed;

Tenderer

shall mean the individual, firm, co-partnership or corporation, or combination thereof, submitting a tender for the Work contemplated and acting directly or through a duly authorized representative;

Tip

shall mean the work to completely empty the bin of waste;

Transfer Station

means a rural/municipal solid waste transfer station described in Schedule B and C;

Transtor

means a "Haul-All" Model TS-500 Modular transtor station, described in Schedule 'A', and;

Work

includes the whole of the works, materials, matters and things to be done, furnished and performed by the Contractor under the Contract;

2. Contractors General Obligation:

The Contractor must perform the Work to completion, in accordance with all the contract documents, including by doing everything necessary and supplying all personal property necessary to do so. The Contractor must perform the Work applying generally accepted best standards and practices in the British Columbia industry for such work.

3. **Subcontractors:**

The Contractor must not engage any subcontractor to perform any of the Contractor's obligations under this Agreement unless the Regional District has first consented, in writing, to the engagement of that subcontractor. Every subcontract shall incorporate all the terms and conditions of this Contract which can reasonably be applied thereto.

4. **Claims Against and Obligations of the Contractor or Subcontractor**

- a) The Contractor shall ensure that all lawful obligations and lawful claims against him, such as those under "The Builders' Lien" legislation, arising out of the execution of the work are discharged and satisfied, at least as often as this Contract requires the Owner to discharge his obligations to the Contractor and shall, when called upon to do so, supply the Inspector with a Statutory Declaration deposing to the existence and conditions of such claims and obligations.
- b) The Owner may, in order to discharge lawful obligations of and satisfy lawful claims against the Contractor or a Subcontractor arising out of the execution of the work, pay any amount, which is due and payable to the Contractor under the Contract, or from a conversion or a negotiation of the security referred to in Section 6 of the Contract Agreement, if any, directly to the obligees of and the claimants against the Contractor or Subcontractor.

5. **Supervision and Labour**

Personnel employed for this Work must be satisfactory to the Manager. Intoxicated, disorderly, incompetent or wilfully negligent persons who are employed on the Work, shall be removed from the Work at the direction of the Manager. The Contractor and his agents shall maintain good public relations while discharging the authority delegated to the Contractor under this Contract.

6. **Delay, non-compliance, or default by the Contractor**

- a) If the Contractor;
 - i) has made default or delayed in the commencement, execution or completion of the work or any portion hereof, and the Owner or the Inspector has given written notice thereof to the Contractor and has by such notice required the Contractor to put an end to such default or delay, and such default or delay continues for six days after such notice was communicated;
 - ii) is in default in any other manner under the Contract; or
 - iii) becomes bankrupt or insolvent,

the Owner may, without any other authorization, take all or any part of the Work out of the Contractor's hands and may employ such means as he may see fit to complete the Work.

- b) Where the work or any portion thereof has been taken out of the Contractor's hands under sub-section (a), the Contractor shall not, except as provided for in sub-section (c), be entitled to any further payments then due and payable and the obligation of the Owner to make further payments shall cease and the Contractor will reimburse the Owner for all costs, expenses and damages incurred or sustained by the Owner, by reason of the non-completion of the Work by the Contractor.
- c) Where the Work or any portion thereof has been taken out of the Contractor's hands under sub-section (a), and that portion is subsequently completed by the Owner, the Inspector shall determine the amount, if any, owing to the Contractor that is not required for the purposes of the Contract and the Owner shall authorize payment of that amount to the Contractor provided that no financial prejudice to the Owner will result.

6. **Delay, non-compliance, or default by the Contractor** (continued)
 - d) The taking of the Work, or any portion thereof, out of the Contractor's hands pursuant to subsection (a) does not relieve the Contractor of any legal or contractual obligations other than the physical completion of the Work so taken out of his hands.
7. **No additional Payments**

The amount payable to the Contractor under this Contract will not be increased or decreased by reason of any increase or decrease in the cost of the work brought about by any increase or decrease in the cost of plant, labour or material, except that, in the event of a change in any tax, that affects the cost of any material incorporated in or to be incorporated in the Work, imposed under "The Excise Act", "The Excise Tax Act", "The Old Age Security Act", "The Customs Act" or "The Customs Tariff", made public after the date of the submission of the tender, an appropriate adjustment may be made.
8. **Permits and Bylaws**

The Contractor shall comply with all laws and regulations, relating to the work, whether federal, provincial or municipal, and shall pay for all permits and certificates required in respect of the execution of the Work.
9. **Additional Instructions**

In the event it is found that the instructions in the Contract Document are not sufficiently clear to permit the Contractor to proceed with the Work, the Manager shall either upon his own initiative or upon request of the Contractor, furnish such additional written instructions, as may be necessary, when such request is made by the Contractor, it must be consistent with the Contract Documents and shall have the same force and effect as if contained in the Contract Documents.
10. **Verbal Agreements**

No verbal agreements or conversations with any officer, agent, or employee of the Regional District, either before or after execution of the Contract, shall affect or modify any of the terms or obligations contained in any of the documents comprising the Contract. Any such verbal contact shall be considered as unofficial information and in no way binding upon the Regional District.
11. **Accident Prevention**

Precautions shall be exercised at all times by the Contractor for the protection of persons, employees and property. Acceptable safety procedures and applicable laws shall be observed.
12. **Forfeiture of Contract**

Should the Contractor at any time refuse or neglect to supply a sufficiency of properly skilled workmen or fail in any respect to prosecute the Work with promptness and diligence, or fail in the performance of any of the agreements herein contained, the Regional District may, at its option, immediately provide such sufficiency of labour and deduct the cost thereof from any monies due or thereafter to become due under this Contract or from the Performance Bond. Should the above occur, the Regional District may, at its option, after giving ten (10) days written notice to the Contractor, terminate the employment of the Contractor and re-tender the Work.

RURAL REFUSE COLLECTION AND TRANSFER SERVICES TENDER AND CONTRACT

TENDER FORM

Tender of:

EXCEL TRANSPORTATION INC

(Name of Company)

333 CHAGMAN Rd. PRINCE GEORGE B.C. V2K-4K9

(Full address, include postal code, telephone and fax number)

PHONE 250-563-7356 FAX 250-563-3201

To supply all labour, management, equipment and materials in accordance with the Contract Documents for the project named below:

Part I - Walking Floor Trailer Route

Tumbler Ridge/Hudson's Hope waste delivered to Chetwynd Solid Waste Site

To supply truck and walking floor trailer, complete with personnel, to service transors as specified in Schedule A.	
Per bin tipped price	\$ <u>239.44</u> per bin
Applicable tax	\$ <u>11.97</u>
Total price	\$ <u>251.41</u> per bin

****Alternate Price Tumbler Ridge waste only delivered to Bessborough Solid Waste Site**

To supply truck and walking floor trailer, complete with personnel, to service transors as specified in Schedule A.	
Per bin tipped price	\$ <u>251.65</u> per bin
Applicable tax	\$ <u>12.58</u>
Total price	\$ <u>264.23</u> per bin

****The Regional District is considering future delivery of Solid Waste from the Tumbler Ridge facility to be directed to the Bessborough Solid Waste Site. Proponents should provide an appropriate alternate price for this task.**

RURAL REFUSE COLLECTION AND TRANSFER SERVICES TENDER AND CONTRACT

Tender Form (continued)

Additional Contractor bid information: (If required, please use extra sheets)

ALL RATES ARE AT \$1.00 FUEL

To: Peace River Regional District
Box 810, 1981 Alaska Avenue,
DAWSON CREEK, BC V1G 4H8

The undersigned has carefully examined the Invitation to Tender, the Tender Form, the Agreement to Bond, the Instructions to Tenderers, the General Conditions, the Contract Specifications, the Contract Agreement and all Schedules for the above named Works.

The undersigned has carefully examined the sites and associated works and hereby agrees to provide all necessary labour, management, equipment and all the Work in the manner prescribed herein, and in the Contract Documents and in accordance with the Regional District's requirements, for the compensation in accordance with the unit prices listed in the Tender Form.

This offer is irrevocable for thirty (30) days from the date in which the tenders are opened and if accepted within thirty (30) days, the undersigned will undertake to enter into a Contract in the form exhibited herein.

The undersigned also understands and agrees as follows:

1. Upon execution of the Contract, to deposit with the Regional District a Performance Bond in the form provided herein for the amount specified in the Instructions to Tenderers, as security for the performance of this Contract and such policies of insurance as may be required under the Contract.
2. That this Tender is made by the Tenderer without any connection, knowledge, comparison of figures or arrangements with any other company, firm or person making tender for the same work and in all respects fair and without collusion or fraud.
3. In consideration of the Peace River Regional District allowing me to tender, I agree not to withdraw my tender except as provided in the Instructions to Tenderers.
4. That no person, firm or corporation other than the Tenderer has any interest in this Tender or in the Proposed Contract for which this Tender is made and to which it relates.
5. To do extra work not covered by the Schedule of Prices which may be ordered by the Manager and to accept as full compensation therefore such prices as may be agreed upon in accordance with the General Conditions of the Contract.

RURAL REFUSE COLLECTION AND TRANSFER SERVICES TENDER AND CONTRACT

Tender Form (continued)

6. The owner reserves the right to increase, decrease, delete or vary any portion of Work, and the Tenderer offers to do the work, whether the quantities are increased or decreased as the unit prices listed.

Accompanying this Tender is a Surety Letter or Irrevocable Letter of Credit in the amount of Fifty Thousand dollars (\$50,000.00).

WHICH

is to be forfeited as liquidated damages in the event that the undersigned Tenderer fails to comply with the provisions thereof; otherwise such Bond, Certified Cheque or Letter of Irrevocable Credit shall be returned to the undersigned.

DATED at PRINCE GEORGE, this 8TH day of OCTOBER, 2015.

Signed: EXCEL TRANSPORTATION INC
(Name of Company)

Per:  ROY DONOHUE
(Authorized Signing Officer)

333 OWAMAN RD PRINCE GEORGE B.C. V2M 4K9
(Address)

Contract Specifications
Scope of Work – Tumbler Ridge / Hudson's Hope

1. The Contractor shall supply the Walking Floor Trailer and truck capable of servicing Tumbler Ridge and Hudson's Hope with the frequency as indicated in Schedule A.

Note: The Regional District will entertain other means of hauling, i.e. compaction/ejection trailer, etc. in place of the walking floor trailer, provided the Regional District is satisfied that the alternate equipment can service the TS-500 (50 yd containers) as specified in Schedule 'A' – "TS-500 Route Service Schedule"
2. The type of bin being serviced is a "Haul-All" TS-500 (50 yd container) and the Contractor by bidding, acknowledges their familiarity with the TS-500 operation and locations.
3. All refuse collected shall be trucked to the appropriate Regional District landfill where it shall be accepted for disposal during posted landfill operating hours only. Please refer to Schedule C for landfill operating hours. As noted in the Tender Form, the Regional District is considering sending the waste from the Tumbler Ridge Transtor/Transfer Station to the Bessborough Solid Waste Site in the future.
4. The Regional District will be responsible for all landfill tipping fees for the Refuse delivered.
5. The Walking Floor Trailer shall be large enough to service the sites as scheduled and shall have a sealed floor, walls and roof cover to contain all Refuse being transported.
6. All equipment supplied by the Contractor shall comply with all Department of Transport regulations and standards.
7. The Contractor shall maintain an individual site log indicating the percentage of refuse in each bin, number of bins tipped and general site condition, refer to Schedule B.
8. In the event of equipment failure or breakdown the Contractor will be responsible for the supply of all alternate personnel and equipment to ensure un-interrupted service.
9. By bidding the Contractor has familiarized themselves with all aspects of the sites, distances to and from landfills, service schedules and number of bins serviced per site. Please make reference to TS-500 service schedule and location map for verification of these items.

SCHEDULE A

TUMBLER RIDGE / HUDSON'S HOPE

TS-500 Route Service Schedule

Location	Number of Bins	Services per week	Bins per week
Tumbler Ridge	3	3	9
Hudson's Hope	2	2	4
Total bins per week			13

Note:

There have been times during peak periods where an extra weekly service has been required to both Tumbler Ridge and Hudson's Hope.

Historically, for the period of April 1st to October 31st, bins at the Hudson's Hope site are picked up 3 (three) times per week. This schedule could be altered at the Regional District's discretion.

SCHEDULE B

**TUMBLER RIDGE / HUDSON'S HOPE
- Weekly TS-500 Summary -**

Date	% Full			Total Tips
	Bin 1	Bin 2	Bin 3	

**PART I
Hudson's Hope
- Weekly TS-500 Summary -**

Date	% Full		Total Tips
	Bin 1	Bin 2	

SCHEDULE C

List of Regional District Landfills

Bessborough		
Location	16.5 km west of Dawson Creek; 6688 – 237 Road	
Hours of Operation	Monday to Saturday	8:00 a.m. to 5:00 p.m.
CLOSED	Sunday	

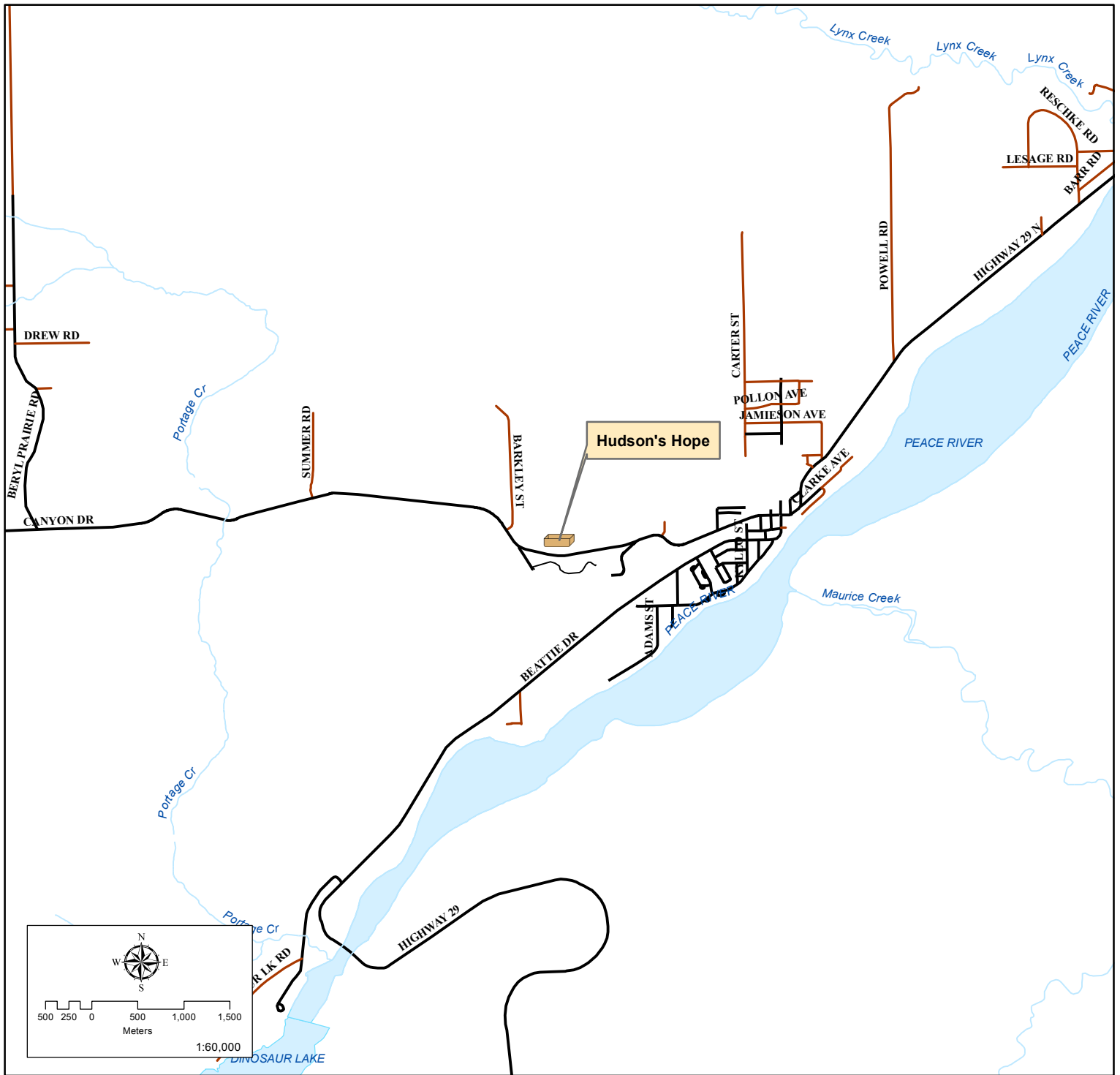
Chetwynd		
Location	3978 Blair Road	
Hours of Operation	Monday and Wednesday to Saturday	8:00 a.m. to 5:00 p.m.
CLOSED	Sunday and Tuesday	

North Peace Regional		
Location	7014 – 269 Road	
Hours of Operation	Monday to Saturday	9:00 a.m. to 6:00 p.m.
CLOSED	Sunday	

Special Note: In-bound gates close 15 minutes prior to closing time at all landfills

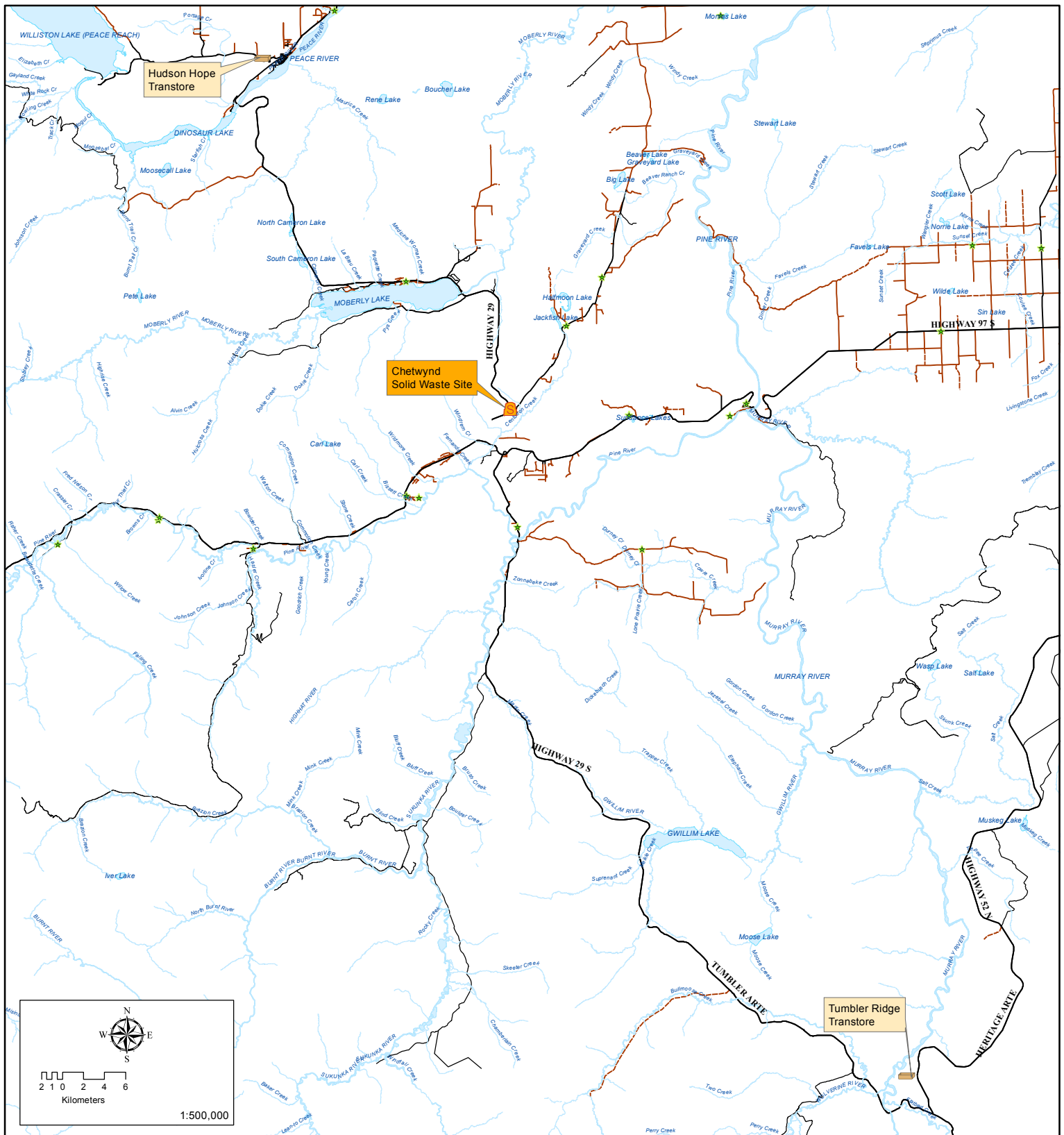
SCHEDULE D

Maps



Hudson's Hope Transtore

From the intersection of Hwy 29 N, Beattie Dr and Canyon Dr in Hudson's Hope, BC. Travel 3.7 km west, turn north and follow signs.



Hudson's Hope Transtore

From the intersection of Hwy 29 N, Beattie Dr and Canyon Dr in Hudson's Hope, B.C. Travel 3.7 km west, turn north and follow signs.

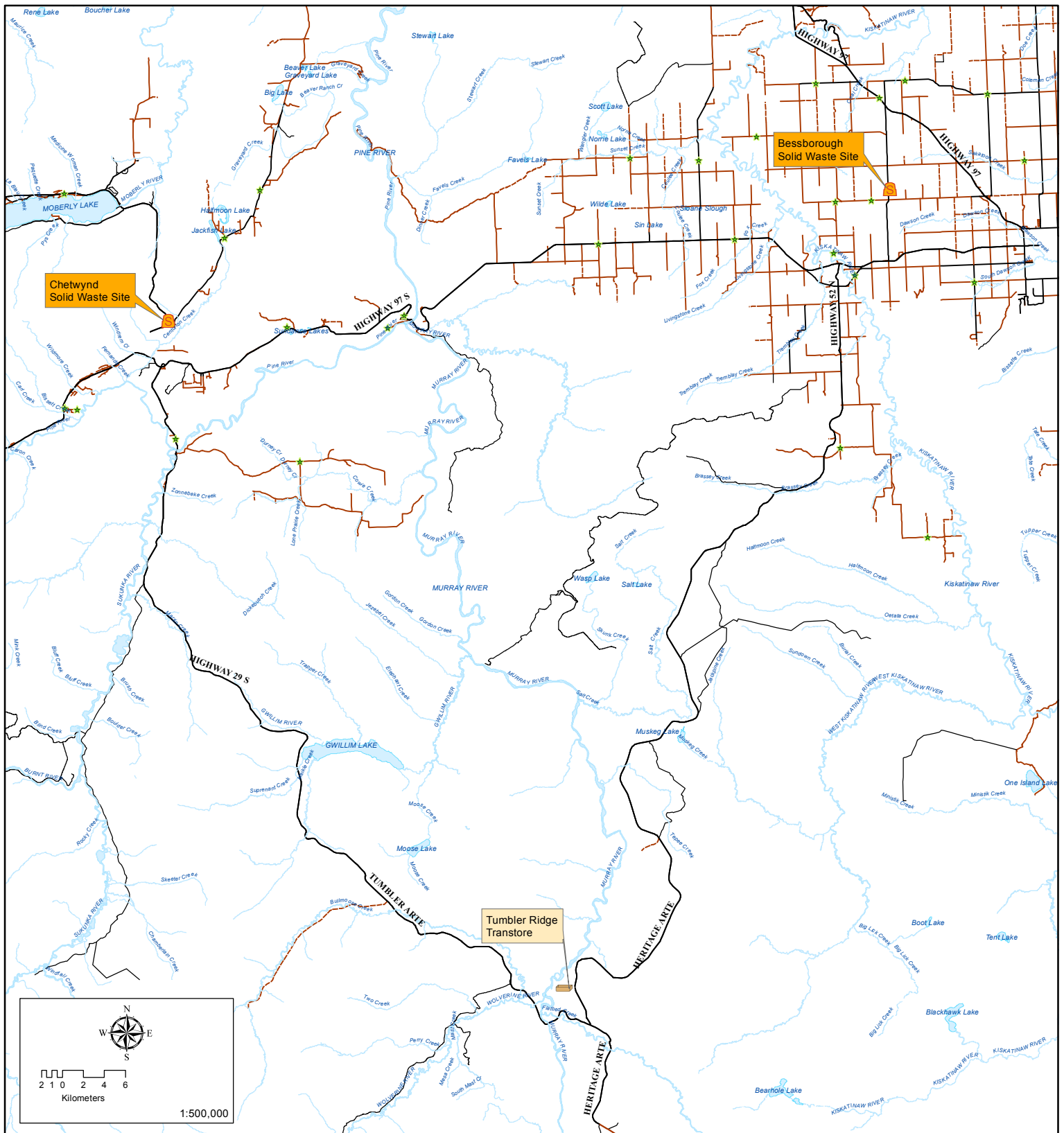
Chetwynd Solid Waste Site

From the intersection of Hwy 97 S and Hwy 29 in Chetwynd, travel 4.5 km north on Hwy 29 to Blair Rd, turn east and follow signs.

Tumbler Ridge Transtore

From the intersection of Hwy 52 N, and MacKenzie Ave (Tumbler Ridge, BC) travel along MacKenzie Ave to the intersection of Ridge Rd, travel along Ridge Rd, follow signs.





**Chetwynd
Solid Waste Site**

From the intersection of Hwy 97 S and Hwy 29 in Chetwynd, travel 4.5 km north on Hwy 29 to Blair Rd, turn east and follow signs.

**Tumbler Ridge
Transtore**

From the intersection of Hwy 52 N, and MacKenzie Ave (Tumbler Ridge, BC) travel along MacKenzie Ave to the intersection of Ridge Rd, travel along Ridge Rd, follow signs.

**Bessborough
Solid Waste Site**

From the intersection of Ridge Road and Mackenzie Way in Tumbler Ridge, B.C. Turn left onto Mackenzie Way, travel of 700m. Turn left on Heritage Hwy, travel 94.3 km. Turn right onto Hwy 97 N, travel of 4.8 km. Turn left onto 237, travel 7 km, and follow signs.



APPENDIX D
Haul All Equipment Ltd. Technical Literature and Pricing

Compaction Study Report
Peace River Regional District
SLR Project No.: 209.40392.00000

HAUL-ALL EQUIPMENT LTD.

4115 - 18th Avenue North
Lethbridge, Alberta T1H 5G1

Phone: (403) 328-7719 Fax: (403) 328-9956

For: PEACE RIVER REGIONAL DISTRICT
c/o SLR Consulting

Contact: Mark Sungaila
Phone: (647) 456-7921

Fax: -

Email: msungaila@slrconsulting.com

End User: PEACE RIVER REGIONAL DISTRICT

ESTIMATE 9729-1

Quotation Date: 27 Sep 2016

Page 1 of 2

HA Part #	Description	Qty	Unit Price	Extended Price
	HCE48 - Compaction Trailer - 48' Overall Length	1	\$ 276,000.00	\$ 276,000.00
	- With Engine			
	- Trailer Body 102" Wide, 96" High			
	- Floor Abrasion Resistant AR400 Steel 5/16" Thickness			
	- Walls and Ceiling AR450 Hardox 1/4" Thickness			
	- 49hp John Deere Turbo Diesel Engine with 30 USG Gallon Fuel Tank,			
	- Remote Start Kit			
	- Front 14' Hydraulic Roof Opening to Accept Transtor Complete With Cylinders			
	- Ground Level Remote Grease Lines for Top Lid			
	- Tail Gate Rubber Seal			
	- Trailer Mounted 130 USG Oil Tank,			
	- c/w AW22 Oil Fill and 110v			
	- Immersion Oil Heater			
	- Battery Operated Remote Control			
	- with Trailer Mounted Receiver, Wired to Valves			
	- With Ram Travel and Ram Parked LED Indicators			
	Upgrade Containers to 2 Chutes			
	Complete new lid assembly c/w 2 user chutes	5	\$ 11,740.00	\$ 58,700.00
	Onsite installation	5	Incl	Included
	Payment terms for trailer:			
	- 40% deposit with order			
	- 50% payment when complete before ship.			
	- 10% payment upon delivery			

Terms: As above

Valid For: 30 Days



Compaction Trailer

High
Payloading



*Transfer
Integration*

Efficient Routing & Payloading

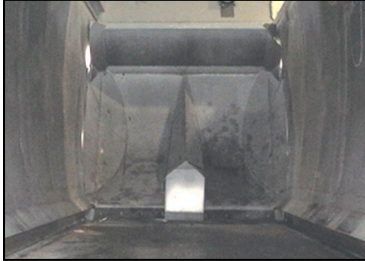


Compaction Trailer

High Payloading

BROUGHT TO YOU THROUGH A UNIQUE PARTNERSHIP BETWEEN NEXGEN MUNICIPAL AND HAUL-ALL.

Features



Programmable auto-pack system facilitates maximum payload with a specialized bullnose ram and 10.5" cylinder.



Specialized ram guides with high speed eject facilitates rapid turnaround.



Optional on board diesel engine powers Transtor and Compaction Trailer maximizing capacity and collection efficiency.



High-end Sauer Sundstrand hydraulic valve with a 100' radius radio remote.

Available hydraulic tailgate.

Hydraulic lid locks.

Hydraulic roof opening complete with side guards, ideal for receiving Transtor loads.

Hardox steel walls and floors.



Tridem or quad air ride fixed suspension with axle and dual tires.

Dimensions

Dimensions	
Length	48', 51' & 53'
Width	Standard 102'
Height	13' 3" Overall
Capacity	85 to 100 yds ³

Distributor

Phone: 888-HAUL-ALL (428-5255)
403.328.7788

E-mail: sales@haulall.com

Haul-All is a Registered Trademark

Fax: 403.328.9956

www.haulall.com

HAUL-ALL EQUIPMENT LTD.

ESTIMATE 9729-1

4115 - 18th Avenue North
Lethbridge, Alberta T1H 5G1

Quotation Date: 27 Sep 2016

Page 1 of 3

Phone: (403) 328-7719 Fax: (403) 328-9956

For: PEACE RIVER REGIONAL DISTRICT
c/o SLR Consulting

Contact: Mark Sungaila
Phone: (647) 456-7921

Fax: -

Email: msungaila@slrconsulting.com

End User: PEACE RIVER REGIONAL DISTRICT

HA Part #	Description	Qty	Unit Price	Extended Price
	<p>HCE48 - Compaction Trailer - 48' Overall Length</p> <ul style="list-style-type: none">- With Engine- Trailer Body 102" Wide, 96" High- Floor Abrasion Resistant AR400 Steel 5/16" Thickness- Walls and Ceiling AR450 Hardox 1/4" Thickness- 49hp John Deere Turbo Diesel Engine with 30 USG Gallon Fuel Tank,- Remote Start Kit- Tridem Hendrickson HT300 Air Ride Fixed Suspension With Axle and 11R22.5 Dual Ti- Tire Upgrade to 16 Ply - Per Axle- Brakes 16.5" x 7" Air with Automatic Slack Adjusters- ABS Brake Kit 4S/2M- Hub Pilotted Steel Wheels- Full Rear Plastic Fenders Over Rear Tridem- Mudflaps Behind Kinpin- Spare Tire and Rack- Front Mounted Fall Arrest Cage and Fold Up Ladder with Roof Tie Down Clips- Left and Right Side Access Doors with Ladders- Holland Landing Gear - 200,000 lb. With Roller- and 2 Speed Crank - Pads- Front 14' Hydraulic Roof Opening to Accept Transtor Complete With Cylinders- Single Cylinder Hydraulic Lid Lock System- Retractable Roof Side Shields, Actuated By Lid	1	\$ 276,000.00	\$ 276,000.00

HAUL-ALL EQUIPMENT LTD.

ESTIMATE 9729-1

4115 - 18th Avenue North
Lethbridge, Alberta T1H 5G1

Quotation Date: 27 Sep 2016

Page 2 of 3

Phone: (403) 328-7719 Fax: (403) 328-9956

For: PEACE RIVER REGIONAL DISTRICT
c/o SLR Consulting

Contact: Mark Sungaila
Phone: (647) 456-7921

Fax: -

Email: msungaila@slrconsulting.com

End User: PEACE RIVER REGIONAL DISTRICT

HA Part #	Description	Qty	Unit Price	Extended Price
	<p>System</p> <ul style="list-style-type: none">- Ground Level Remote Grease Lines for Top Lid- Tail Gate Rubber Seal- Trailer Mounted 130 USG Oil Tank,- c/w AW22 Oil Fill and 110v- Immersion Oil Heater- Transtor Hose Box With Set of20' Transtor Connection Hoses and Twist OnFittings- Sauer Electric Control Valve with Flow Control- Full Eject Ram- Full Watertight Weld with 12" Front Bulkhead- Remote Hydraulic Pressure Gauge on Front Panel- Battery Operated Remote Control- with Trailer Mounted Receiver, Wired to Valves- SinglePak Program c/w Single Button Operation,- Ram Home Sensor, PLC Pressure Controlled- With Ram Travel and Ram Parked LED Indicators- Delivery to Customer Jobsite or Staging Area,- With 1 Day Operator & Mtce Training <p>Payment terms:</p> <ul style="list-style-type: none">- 40% deposit with order- 50% payment when complete before ship.- 10% payment upon delivery			

Terms: As above

\$ 276,000.00

Valid For:30 Days

GST \$ 13,800.00

\$ 289,800.00



APPENDIX B – PLAN AMENDMENTS

R-4

C. ADDITION TO SECTION 5.2.3

A. Addition To End of Section 5.2.3 (Establish Minimum Operating Standards for Landfills)

Closure of the landfills in the PRRD will occur in progressive phases. The unit cost per hectare for landfill closure will vary depending on the design of the final cover. The landfill closure cost rate per square meter is expected to be between \$19/m² (soil cover) and \$85/m² (geomembrane cover). The final cover design for the Chetwynd Landfill and North Peace Regional Landfill (Ft. St. John Landfill) contains geosynthetic materials. Soil is readily available at the Bessborough Landfill which makes an earthen-based final cover economically feasible.

Details of the cost and area of landfill closure projects anticipated over the next decade are summarized below:

Landfill Closure – Phase Areas And Estimated Capital Costs			
Landfill Site	Landfill Closure Phase	Closure Area (m ²)	Closure Cost
Chetwynd Landfill	B	16,475	\$1,401,000
Chetwynd Landfill	C	13,338	\$1,134,000
Bessborough Landfill	1	27,365	\$520,000
Bessborough Landfill	2	38,769	\$737,000
Bessborough Landfill	3	11,900	\$227,000
Bessborough Landfill	4	14,792	\$282,000
North Peace Regional LF	1	18,545	\$1,317,000
North Peace Regional LF	2	50,393	\$2,996,000



B. Addition To End of Section 5.2.5 (Continue Planned Development and Operation of the Bessborough Landfill)

The Regional District will progressively develop other waste disposal phases at the Bessborough Landfill over the next decade once Phase 2A (2) nears capacity. The unit cost per square meter for development of the Bessborough Landfill can vary from 62/m² to \$122/m² depending on the level of stormwater management required to be implemented for each new landfill cell.

Details of the cost and area of the development of the Bessborough Landfill anticipated over the next decade are summarized below:

Bessborough Landfill Cell	Cell Area (m ²)	Cell Construction Cost
3	20,506	\$2,502,000
4	17,184	\$1,066,000

C. Addition To End of Section 5.3.5 (Explore Feasibility of Joint PRRD-Industry Waste to Energy Facility)

The Regional District will pursue options for the development of a waste-to-energy facility at the North Peace Regional Landfill (Ft. St. John Landfill) for the beneficial use of the landfill gas generated which is currently being flared. These options will require the installation of infrastructure necessary for the pretreatment of the landfill gas for the removal of moisture and other contaminants. Types of waste-to-energy options that may be considered along with approximate construction costs for the necessary infrastructure are provided below:

Waste-To-Energy Options For Gas Generated By North Peace Regional Landfill	
Waste-to-Energy Facility Option	Construction Cost
Combustion of gas on-site using reciprocating engines for electricity generation	\$3,057,000
Transport of gas off-site for connection to nearby natural gas pipeline	\$2,522,000
Transport of gas off-site 2 km for connection to natural gas well	\$3,416,000



Peace River Regional District REPORT

To: Solid Waste Committee

Date: February 24, 2017

From: Paulo Eichelberger, General Manager of Environmental Services

Subject: Assignment of Regional District Solid Waste contracts

RECOMMENDATION No. 1:

That the Solid Waste Committee recommends to the Regional Board that reassignment of the following waste hauling agreements between the Regional District and Hoban Construction Ltd. to the Regional District and C&C Road Maintenance Ltd. be approved:

- a) South Peace Rural Refuse Collection and Transfer Station Services Contract No. 02-2014; and
- b) North Peace Rural Refuse Collection and Transfer Station Services Contract No. 01-2014.

RECOMMENDATION No. 2:

That the Solid Waste Committee recommends to the Regional Board that upon approval of the reassignment of the South Peace and North Peace Rural Refuse Collection and Transfer Station Services Contracts that both contracts be extended for a further term of one year, to expire on April 1, 2018, to allow time to retender the contracts, while maintaining continuous service.

Rationale/Background:

The Regional District has been approached by Hoban Construction Ltd. and C&C Road Maintenance Ltd. to authorize reassignment of the referenced contracts to C&C Road Maintenance Ltd., as per the attached letters.

Staff have met with C&C Road Maintenance Ltd. and as a result have no concerns with their abilities to continue to fulfill the operational requirements of the individual contracts.

Further it is understood that the original tender bid rates will continue to be in effect creating no additional costs to the Regional District. Existing contract language allows for the assignment of all contracts pending Board approval. Upon Board approval, new agreements will be prepared for signing subject to prior acceptance of all Performance Bonds, Liability Insurance and WCB documents.

OPTIONS:

None

STRATEGIC PLAN RELEVANCE:

Environmental Services – Operations

FINANCIAL CONSIDERATION(S):

Within Solid Waste Management budget

COMMUNICATIONS CONSIDERATION(S):

None

OTHER CONSIDERATION(S):

None.

Attachments: reassignment request letters from Hoban Construction and C&C Road Maintenance

Staff Initials: *Phillip Kovacs* Dept. Head: *PA Eichelberger* CAO:



Hoban Construction Ltd.

Operating on values of Innovation, Integrity, Accountability, and Quality

3 November 2016

Dear Loryn

As per our recent telephone conversations, I would like to request that our present refuse hauling contract for the North & South districts be assigned to C&C Road Maintenance Ltd.

The Hoban Group of companies and partners have decided to each go our separate ways, as I am the only shareholder in HEL and will be a shareholder in C&C Road Maintenance, C&C is prepared to continue the contract with the Peace River Regional district on the same terms and conditions. I do understand that the regional district would like to extend the contract for a one to two year period, while it is building their new transfer stations. If we could transition on December 1, 2016 that would be ideal.

Thank you

A handwritten signature in black ink, appearing to read "Clayton Hoban", written in a cursive style.

Clayton Hoban

C & C
ROAD MAINTENANCE LTD.

5258 Hwy 97A, Armstrong BC, V0E 1B8

February 20 , 2017

Attention: Phil Kovacs

This letter is to request the legal re-assignment and one year extension to C & C Road Maintenance Ltd. For Contract 01-2014 (North Peace Rural Refuse Collection and Transfer Station) and Contract 02-2014 (South Peace Rural Refuse Collection and Transfer Station), we will continue at the existing hourly rates as per Hoban Equipment Ltd.

Thank you and we look forward to continuing to work with the Peace River Regional District.

Sincerely,

A handwritten signature in black ink that reads "Clayton Hoban". The script is cursive and fluid, with the first letters of "Clayton" and "Hoban" being capitalized and prominent.

Clayton Hoban



Peace River Regional District REPORT

R-6 Handout

To: SW Committee (*plus cc to Board Directors & Alternates*)

Date: 27 February 2017

From: Kim Frech, Chief Financial Officer

Subject: Solid Waste Budget Reduction

The following information is provided per the Board's directive to reduce the "Draft" Solid Waste "Operational" budget that was presented February 22nd by (10%).

1. The Draft Solid Waste Budget that was presented to the Board on 22 February, 2017 showed an overall reduction of approximately 3.5% from the 2016 combined Operating and Capital expenditures for Solid Waste.
2. Removing the capital budget, the operational budget presented is actually 27% higher than last year's budget. Contributing factors:
 - a. includes the repayment of \$2.5M to the Capital Reserve when the debenture funds are received (this isn't really operational but a one time repayment coming from the debenture funds when received – not increasing taxes);
 - b. included cost of debenture for full year but will be only be paying one interest payment since funds won't be received until early fall due to SW Plan delays;
 - c. contract increases based on annual incremental increases within the contracts; and
 - d. additional operational works, upgrades, repairs, etc. planned for 2017.

If remove a & b, then the operational budget is almost the same as last year.

After removing the costs of the principal payment and one interest payment on the debenture (that won't be required to be made in full until next year now that we won't be applying for the funds until the fall), and removing the \$2.5M transfer to reserve (which is a requirement to replace what was used last year while amending the SW Plan and the borrowing was delayed accordingly to pay for the contract work), then reducing wherever and as much as possible from the operational costs, cancelling some of the new *additional* works scheduled, it is very close to last year's amount of the "operational expenditure budget".

To reduce the operational budget lower would require reduction in hours and/or closure of sites.

3. With the reductions to the operational budget and not including debt and reserve transfers in the calculations it still doesn't meet the 10% reduction, and we couldn't see much else to reduce while still continuing to operate and provide the service. We then reviewed the "Capital Budget". After making changes (mostly moving projects to next year or later) there is now a reduction of approximately 10% to the total operational and capital budget (not including the reserve transfer and the reduction to the debenture payment – putting those back is then a total reduction of approximately 8.5%.

Recommendation: reduce the total expenditures, including capital, by approx. 10%.

Or, to reduce a combination of capital and operational enough to keep the same tax rate as last year (putting back in some of the reductions/projects).

The budget being presented has the reduction of debenture payment which starts in full next year, but includes transfer to reserve - and has a bottom line of approx.. 10% reduction overall.

Staff Initials:

Dept. Head:

A handwritten signature in black ink, appearing to read "Kim Frech", is written over the "Dept. Head:" label.

CAO:

Page 1 of 1

Peace River Regional District - Budget Working Paper - Page 1

Service Fund Category	Other General Operating - 01			Portfolio Staff	Solid Waste Committee GM of Environmental Services				
4300 Regional Solid Waste Management				Requisition Exhibit		7			
				After COW to reduce 10%					
2017	Acct #	See Note	Account Name	2016 Budget	2016 Actual	2016 Variance	COW Budget	Reduced Budget	Change
EXPENDITURES									
4300 Regional Solid Waste Management									
01-2-4300-	200	22	Wages - full time	670,466	599,956	-70,510	670,466	670,466	-
01-2-4300-	205	22	Benefits	189,718	144,330	-45,388	189,718	189,718	-
01-2-4300-	206	22	WCB	7,408	7,003	-405	7,127	7,127	0
01-2-4300-	210	2	Travel / Training / Conferences / Workshops	20,000	12,559	-7,441	20,000	17,000	- 3,000
01-2-4300-	211		Travel, Use of RD Vehicle	39,400	39,400		19,900	19,900	-
01-2-4300-	212		Mileage In-Region	500	21	-479	500	300	- 200
01-2-4300-	215		Meals In-Region	4,000	3,127	-873	4,000	3,500	- 500
01-2-4300-	216		Meetings	2,000	1,800	-200	3,000	2,200	- 800
01-2-4300-	218	1	Memberships	5,000	6,185	1,185	7,000	5,000	- 2,000
01-2-4300-	230		Phone, internet & alarms	6,000	4,761	-1,239	5,000	5,000	-
01-2-4300-	240		Advertising	35,000	14,803	-20,197	15,000	15,000	-
01-2-4300-	242	43	Videos	25,000	11,021	-13,979	13,979	13,979	-
01-2-4300-	250	28	Legal Services	20,000	2,148	-17,852	20,000	10,000	- 10,000
01-2-4300-	252	7	Consulting Services	40,000	17,331	-22,669	38,000	30,000	- 8,000
01-2-4300-	256	26	Waste Composition Study				122,000	128,100	6,100
01-2-4300-	260		Insurance	11,300	11,581	281	11,900	11,900	-
01-2-4300-	261		Administration fees	198,000	198,000		198,000	198,000	-
01-2-4300-	262	11	Interest - debenture	240,174	165,174	-75,000	315,174	240,174	- 75,000
01-2-4300-	263	11	Principal - debenture	414,109	414,109		850,262	414,109	- 436,153
01-2-4300-	289		Actuarial Recognized	58,711	58,711		58,711	58,711	-
01-2-4300-	298		Bad Debts	1,000		-1,000	1,000	1,000	-
01-2-4300-	299		Miscellaneous	2,000		-2,000	2,000	2,000	-
01-2-4300-	309		Unit #9 - Trailtech Flatdeck Trailer	2,000	600	-1,400	2,000	1,000	- 1,000
01-2-4300-	311		Unit #11 - Bobcat	7,000	2,938	-4,062	7,000	3,000	- 4,000
01-2-4300-	314		Unit #14 - Flat Deck Hauler	2,000	236	-1,764	2,000	1,000	- 1,000
01-2-4300-	315	5	Unit #15 - 2005 GMC 3/4 T	5,000	8,604	3,604	3,500	3,500	-
01-2-4300-	316		Unit #16 - Load Trail Black Dump Trl	4,000	851	-3,149	4,000	2,000	- 2,000
01-2-4300-	317		Unit #17 - Sterling Picker Truck	20,000	11,227	-8,773	15,000	13,000	- 2,000
01-2-4300-	321		Unit #21 - 1 Ton Chev (White)	21,000	17,638	-3,362	15,000	13,000	- 2,000
01-2-4300-	324		Unit #24 - Replacement for Unit #15	10,000	4,666	-5,334	10,000	8,000	- 2,000
01-2-4300-	361		Supplies - shop/warehouse	10,000	8,925	-1,075	8,000	8,000	-
01-2-4300-	362		Supplies - office & computer (RD)	42,000	38,479	-3,521	33,000	33,000	-
01-2-4300-	365		Banking Fees		12,135	12,135	14,000	14,000	-
01-2-4300-	600	39	Transfer to Op Reserves					-	-
01-2-4300-	603		Transfer to Capital Resv-Vehicle/Equipment				50,000		- 50,000
01-2-4300-	605		Trsf to "Green" Carbon Reserve	1,770	1,770				-
01-2-4300-	607	30	Transfer to Capital Reserve	500,000	500,000		3,500,000	3,500,000	-
01-2-4300-	608		Transfer to Landfill Closure Liability Reserve	100,000	100,000		220,000	220,000	-
01-2-4300-	610		Transfer Interest on Reserve		8,153	8,153			-
01-2-4300-	702	17	Operations - Bessborough LF	41,000	33,893	-7,107	63,000	48,000	- 15,000
01-2-4300-	703	6	Operations - Buick Crk TS	7,500	6,509	-991	7,500	7,500	-
01-2-4300-	705	10	Operations - Chetwynd LF	30,000	24,201	-5,799	52,000	37,000	- 15,000
01-2-4300-	706	29	Operations - Dawson Creek	20,000	23,649	3,649	49,000	49,000	-
01-2-4300-	708	18	Operations - North Peace LF	51,000	60,101	9,101	76,000	76,000	-
01-2-4300-	709	40	Operations - Landfill Gas System	10,000	28,815	18,815	128,000	93,000	- 35,000
01-2-4300-	711	21	Operations - Hudson's Hope	6,000	5,809	-191	6,000	10,000	4,000
01-2-4300-	712	21	Operations - Kelly Lake	7,500	3,652	-3,848	7,500	5,000	- 2,500
01-2-4300-	713	21	Operations - Upper Halfway	7,500	4,761	-2,739	7,500	5,500	- 2,000
01-2-4300-	714	21	Operations - Mile 62.5	7,500	4,860	-2,640	7,500	5,500	- 2,000
01-2-4300-	715		Operations - Rolla	7,500	7,898	398	8,500	5,500	- 3,000
01-2-4300-	716		Operations - Moberly Lake	7,500	8,428	928	9,000	5,500	- 3,500
01-2-4300-	719		Operations - Pink Mountain	7,500	6,958	-542	8,000	5,500	- 2,500
01-2-4300-	721	21	Operations - Cecil Lake	7,500	3,178	-4,322	7,500	4,500	- 3,000
01-2-4300-	722	21	Operations - Rose Prairie	7,500	3,732	-3,768	7,500	4,500	- 3,000
01-2-4300-	723	21	Operations - Goodlow	7,500	3,117	-4,383	7,500	4,500	- 3,000
01-2-4300-	724	21	Operations - Taylor	1,000	57	-943	1,000	500	- 500
01-2-4300-	725		Operations - Tomslake	7,500	3,395	-4,105	7,500	4,500	- 3,000
01-2-4300-	726	35	Operations - Tumbler Ridge	7,500	233	-7,267	7,500	1,000	- 6,500
01-2-4300-	727	21	Operations - Wonowon	7,500	5,622	-1,878	7,500	7,500	-

Service	Other	Portfolio	Solid Waste Committee
Fund	General Operating - 01	Staff	GM of Environmental Services
Category	4300 Regional Solid Waste Management	Requisition Exhibit	7

After COW to reduce 10%									
2017	Acct	See		2016	2016	2016	COW	Reduced	
Category	#	Note	Account Name	Budget	Actual	Variance	Budget	Budget	Change
01-2-4300-	728	21	Operations - Prespatou	7,500	7,837	337	9,000	7,500	- 1,500
01-2-4300-	729	21	Operations - Misc Transfer Stations	20,000	5,812	-14,188	20,000	7,500	- 12,500
01-2-4300-	732	12	Contractor - Bessborough LF	1,040,000	1,033,333	-6,667	1,060,000	1,060,000	-
01-2-4300-	733		Contractor/Transport/Haul - Buick	120,000	115,208	-4,792	115,000	115,000	-
01-2-4300-	734		Contractor/Transport/Haul - Cecil Lake	126,000	119,762	-6,238	120,000	120,000	-
01-2-4300-	735	12	Contractor - Chetwynd LF	560,000	554,167	-5,833	566,000	566,000	-
01-2-4300-	736		Contractor/Transport/Haul - Dawson Creek	247,000	217,700	-29,300	236,000	236,000	-
01-2-4300-	738	12/20	Contractor - North Peace LF	1,625,000	1,609,583	-15,417	1,650,000	1,650,000	-
01-4300	739	38	Contractor - Landfill Gas System	10,000	1,913	-8,088		-	-
01-2-4300-	741	21/36	Contractor - Hudson's Hope	57,000	52,800	-4,200	57,000	57,000	-
01-2-4300-	742	21	Contractor/Transport/Haul - Kelly Lake	122,000	120,434	-1,566	122,000	122,000	-
01-2-4300-	744	21/36	Contractor - Mile 62.5	52,000	48,000	-4,000	52,000	52,000	-
01-2-4300-	749	21	Contractor/Transport/Haul - Pink Mountain	119,000	116,432	-2,568	119,000	119,000	-
01-2-4300-	751		Contractor/Transport/Haul - Prespatou	127,000	119,568	-7,432	120,000	120,000	-
01-2-4300-	752		Contractor/Transport/Haul - Rose Prairie	120,000	106,661	-13,339	107,000	107,000	-
01-2-4300-	754	21	Contractor/Transport/Haul - Goodlow	110,000	113,047	3,047	110,000	115,000	5,000
01-2-4300-	755	21	Contractor/Transport/Haul - Tomslake	117,000	118,318	1,318	117,000	120,000	3,000
01-2-4300-	756	21	Contractor - Tumbler Ridge	120,000	98,433	-21,567	100,000	100,000	-
01-2-4300-	757	21	Contractor/Transport/Haul - Wonowon	120,000	114,465	-5,535	120,000	120,000	-
01-2-4300-	758	21	Contractor/Transport/Haul - Upper Halfway	130,000	130,198	198	130,000	130,000	-
01-2-4300-	761		Contractor/Transport/Haul - Rolla	130,000	125,460	-4,540	115,000	130,000	15,000
01-2-4300-	763	21/23	Contractor/Transport/Haul - Moberly Lake	130,000	135,470	5,470	130,000	130,000	-
01-2-4300-	776	15	Transport/Haul - Dawson Creek	22,000	22,419	419	23,000	23,000	-
01-2-4300-	781		Transport/Haul - Hudson's Hope	65,000	69,021	4,021	70,000	70,000	-
01-2-4300-	787	25	Transport/Haul - NP Haul All PL6	140,000	149,766	9,766	155,000	155,000	-
01-2-4300-	790		Transport/Haul - Pouce Coupe	2,000	1,185	-815	2,000	1,500	- 500
01-2-4300-	793		Transport/Haul - SP Haul All PL6	320,000	348,478	28,478	350,000	350,000	-
01-2-4300-	794	24	Transport/Haul - Taylor	7,000	18,720	11,720	12,500	12,500	-
01-2-4300-	796		Transport/Haul - Tumbler Ridge	105,000	105,423	423	105,000	105,000	-
01-2-4300-	799		Transport/Haul - Misc Transfer Stations	12,000	8,271	-3,729	9,000	9,000	-
01-2-4300-	840		Extra Charges Recoverable		1,060	1,060		-	-
01-2-4300-	872		Waste Reduction - NEAT	350,000	340,700	-9,300	345,780	345,780	-
01-2-4300-	873	32	Waste Reduction - Recycling-Eco Depot/R3	2,600,000	1,980,139	-619,861	1,800,000	1,800,000	-
01-2-4300-	875		Waste Reduction - Taylor Site Rental	6,600	6,000	-600	6,600	6,000	- 600
01-2-4300-	877		MMBC Municipal Recycle Reimbursement		10,573	10,573	10,000	10,000	-
01-2-4300-	894	4	Clean-up Program	130,000	116,820	-13,180	130,000	100,000	- 30,000
01-2-4300-	901	13	Water Monitoring - Bessborough Landfill	20,000	16,490	-3,510	20,000	20,000	-
01-2-4300-	902	13	Water Monitoring - Chetwynd Landfill	18,000	20,631	2,631	18,000	18,000	-
01-2-4300-	903	13/19	Water Monitoring - Dawson Creek	18,000	15,669	-2,331	26,500	26,500	-
01-2-4300-	904	13/19	Water Monitoring - North Peace Reg Landfill	14,000	8,322	-5,678	25,500	25,500	-
01-2-4300-	905	13	Water Monitoring - Mile 62.5	5,500	4,617	-883	5,500	5,500	-
01-2-4300-	906	13/19	Water Monitoring - Rose Prairie	16,000	14,508	-1,492	23,000	23,000	-
01-2-4300-	908	13/19	Water Monitoring - Hudson's Hope	6,000	5,722	-278	11,000	11,000	-
01-2-4300-	910	13	Water Monitoring - Moberly Lake	2,000	1,600	-400	4,500	4,500	-
01-2-4300-	911	13/19	Water Monitoring - Taylor	7,500	5,950	-1,550	11,000	11,000	-
01-2-4300-	913	13	Water Monitoring - Misc. Rural Sites	2,500		-2,500	2,500	2,500	-
01-2-4300-	915	13/19	Water Monitoring - East Pine	5,500	4,621	-879	10,000	10,000	-
01-2-4300-	916	13/19	Water Monitoring - Groundbirch	5,500	5,449	-51	11,000	11,000	-
01-2-4300-	917	13	Water Monitoring - Milligan Creek	5,500	4,806	-694	5,500	5,500	-
01-2-4300-	918	13	Water Monitoring - Mile 98	2,000	1,387	-613	4,500	4,500	-
01-2-4300-	940		Mitigation of Closed Landfills & Trsf Stations	50,000	8,943	-41,058	50,000	50,000	-
01-2-4300-	951	41	SW Capital - Bessborough LF		-0	-0	118,000	118,000	-
01-2-4300-	952	42	SW Capital - Chetwynd LF	1,076,000	972,358	-103,642	22,000		- 22,000
01-2-4300-	953		SW Capital - Dawson Creek TS					-	-
01-2-4300-	954	9/14	SW Capital - North Peace Regional LF	5,295,000	2,734,597	-2,560,403	1,922,000	1,922,000	-
01-2-4300-	958	3	SW Capital - Hudson's Hope TS				50,000		- 50,000
01-2-4300-	969	8	SW Capital - Groundbirch TS (Tier 1) 2018	75,000		-75,000	75,000	-	- 75,000
01-2-4300-	970		SW Capital - Upper Halfway TS (Tier 2) 2015	20,000	7,252	-12,748		-	-
01-2-4300-	973	27	SW Capital - Equipment				86,000	86,000	-
01-2-4300-	975		SW Capital - Miscellaneous/Equipment	50,000	40,648	-9,352	50,000	50,000	-
01-2-4300-	976	8	SW Capital - Lone Prairie TS (Tier 2) 2018	75,000		-75,000	75,000		- 75,000
01-2-4300-	977	8	SW Capital - Hasler Flats TS (Tier 2) 2018	75,000		-75,000	75,000	-	- 75,000

Service Other Portfolio Solid Waste Committee
Fund General Operating - 01 Staff GM of Environmental Services
Category **4300 Regional Solid Waste Management** Requisition Exhibit 7

After COW to reduce 10%									
2017	Acct	See		2016	2016	2016	COW	Reduced	
Category	#	Note	Account Name	Budget	Actual	Variance	Budget	Budget	Change
01-2-4300-	978		SW Capital - Moberly Lake TS (Tier 2) 2015	20,000	19,126	-874		-	-
01-2-4300-	979		SW Capital - Rolla TS (Tier 2) 2015	20,000	8,055	-11,945		-	-
01-2-4300-	980	8	SW Capital - Lebell TS (Tier 2) 2017	75,000		-75,000	75,000		75,000
01-2-4300-	983	8	SW Capital - Doig River TS (Tier 2) 2018	75,000		-75,000	75,000		75,000
01-2-4300-	988	44	SW Capital - Landfill Gas Collection				302,000	302,000	-
01-2-4300-	989	45	SW Capital - Landfill Gas Utilization						-
Total Category Expenditures				18,974,156	14,811,040	(4,163,115)	18,279,116	17,120,964	(1,158,152)
						Change from		(1,853,192)	
						LY Budget		-9.77%	

Total Reduction (with the debenture payment removed)
But leaving the transfer to reerve in the calculations

R-6

Handout

Service	Other	Portfolio	Solid Waste Committee
Fund	General Operating - 01	Staff	GM of Environmental Services
Category	4300 Regional Solid Waste Management	Requisition Exhibit	7

				After COW to reduce 10%					
2017	Acct	See		2016	2016	2016	COW	Reduced	
Category	#	Note	Account Name	Budget	Actual	Variance	Budget	Budget	Change
EXPENDITURES									
4300 Regional Solid Waste Management									
01-2-4300-	200	22	Wages - full time	670,466	599,956	-70,510	670,466	670,466	-
01-2-4300-	205	22	Benefits	189,718	144,330	-45,388	189,718	189,718	-
01-2-4300-	206	22	WCB	7,408	7,003	-405	7,127	7,127	0
01-2-4300-	210	2	Travel / Training / Conferences / Workshops	20,000	12,559	-7,441	20,000	17,000	- 3,000
01-2-4300-	211		Travel, Use of RD Vehicle	39,400	39,400		19,900	19,900	-
01-2-4300-	212		Mileage In-Region	500	21	-479	500	300	- 200
01-2-4300-	215		Meals In-Region	4,000	3,127	-873	4,000	3,500	- 500
01-2-4300-	216		Meetings	2,000	1,800	-200	3,000	2,200	- 800
01-2-4300-	218	1	Memberships	5,000	6,185	1,185	7,000	5,000	- 2,000
01-2-4300-	230		Phone, internet & alarms	6,000	4,761	-1,239	5,000	5,000	-
01-2-4300-	240		Advertising	35,000	14,803	-20,197	15,000	15,000	-
01-2-4300-	242	43	Videos	25,000	11,021	-13,979	13,979	13,979	-
01-2-4300-	250	28	Legal Services	20,000	2,148	-17,852	20,000	10,000	- 10,000
01-2-4300-	252	7	Consulting Services	40,000	17,331	-22,669	38,000	30,000	- 8,000
01-2-4300-	256	26	Waste Composition Study				122,000	128,100	6,100
01-2-4300-	260		Insurance	11,300	11,581	281	11,900	11,900	-
01-2-4300-	261		Administration fees	198,000	198,000		198,000	198,000	-
01-2-4300-	262	11	Interest - debenture	240,174	165,174	-75,000	315,174	240,174	- 75,000
01-2-4300-	263	11	Principal - debenture	414,109	414,109		850,262	414,109	- 436,153
01-2-4300-	289		Actuarial Recognized	58,711	58,711		58,711	58,711	-
01-2-4300-	298		Bad Debts	1,000		-1,000	1,000	1,000	-
01-2-4300-	299		Miscellaneous	2,000		-2,000	2,000	2,000	-
01-2-4300-	309		Unit #9 - Trailtech Flatdeck Trailer	2,000	600	-1,400	2,000	1,000	- 1,000
01-2-4300-	311		Unit #11 - Bobcat	7,000	2,938	-4,062	7,000	3,000	- 4,000
01-2-4300-	314		Unit #14 - Flat Deck Hauler	2,000	236	-1,764	2,000	1,000	- 1,000
01-2-4300-	315	5	Unit #15 - 2005 GMC 3/4 T	5,000	8,604	3,604	3,500	3,500	-
01-2-4300-	316		Unit #16 - Load Trail Black Dump Trl	4,000	851	-3,149	4,000	2,000	- 2,000
01-2-4300-	317		Unit #17 - Sterling Picker Truck	20,000	11,227	-8,773	15,000	13,000	- 2,000
01-2-4300-	321		Unit #21 - 1 Ton Chev (White)	21,000	17,638	-3,362	15,000	13,000	- 2,000
01-2-4300-	324		Unit #24 - Replacement for Unit #15	10,000	4,666	-5,334	10,000	8,000	- 2,000
01-2-4300-	361		Supplies - shop/warehouse	10,000	8,925	-1,075	8,000	8,000	-
01-2-4300-	362		Supplies - office & computer (RD)	42,000	38,479	-3,521	33,000	33,000	-
01-2-4300-	365		Banking Fees		12,135	12,135	14,000	14,000	-
01-2-4300-	600	39	Transfer to Op Reserves					-	-
01-2-4300-	603		Transfer to Capital Resv-Vehicle/Equipment				50,000		- 50,000
01-2-4300-	605		Trsf to "Green" Carbon Reserve	1,770	1,770				-
01-2-4300-	607	30	Transfer to Capital Reserve	500,000	500,000		3,500,000	1,000,000	- 2,500,000
01-2-4300-	608		Transfer to Landfill Closure Liability Reserve	100,000	100,000		220,000	220,000	-
01-2-4300-	610		Transfer Interest on Reserve		8,153	8,153			-
01-2-4300-	702	17	Operations - Bessborough LF	41,000	33,893	-7,107	63,000	48,000	- 15,000
01-2-4300-	703	6	Operations - Buick Crk TS	7,500	6,509	-991	7,500	7,500	-
01-2-4300-	705	10	Operations - Chetwynd LF	30,000	24,201	-5,799	52,000	37,000	- 15,000
01-2-4300-	706	29	Operations - Dawson Creek	20,000	23,649	3,649	49,000	49,000	-
01-2-4300-	708	18	Operations - North Peace LF	51,000	60,101	9,101	76,000	76,000	-
01-2-4300-	709	40	Operations - Landfill Gas System	10,000	28,815	18,815	128,000	93,000	- 35,000
01-2-4300-	711	21	Operations - Hudson's Hope	6,000	5,809	-191	6,000	10,000	4,000
01-2-4300-	712	21	Operations - Kelly Lake	7,500	3,652	-3,848	7,500	5,000	- 2,500
01-2-4300-	713	21	Operations - Upper Halfway	7,500	4,761	-2,739	7,500	5,500	- 2,000
01-2-4300-	714	21	Operations - Mile 62.5	7,500	4,860	-2,640	7,500	5,500	- 2,000
01-2-4300-	715		Operations - Rolla	7,500	7,898	398	8,500	5,500	- 3,000
01-2-4300-	716		Operations - Moberly Lake	7,500	8,428	928	9,000	5,500	- 3,500
01-2-4300-	719		Operations - Pink Mountain	7,500	6,958	-542	8,000	5,500	- 2,500
01-2-4300-	721	21	Operations - Cecil Lake	7,500	3,178	-4,322	7,500	4,500	- 3,000
01-2-4300-	722	21	Operations - Rose Prairie	7,500	3,732	-3,768	7,500	4,500	- 3,000
01-2-4300-	723	21	Operations - Goodlow	7,500	3,117	-4,383	7,500	4,500	- 3,000
01-2-4300-	724	21	Operations - Taylor	1,000	57	-943	1,000	500	- 500
01-2-4300-	725		Operations - Tomslake	7,500	3,395	-4,105	7,500	4,500	- 3,000
01-2-4300-	726	35	Operations - Tumbler Ridge	7,500	233	-7,267	7,500	1,000	- 6,500
01-2-4300-	727	21	Operations - Wonowon	7,500	5,622	-1,878	7,500	7,500	-
01-2-4300-	728	21	Operations - Prespatou	7,500	7,837	337	9,000	7,500	- 1,500

Service	Other	Portfolio	Solid Waste Committee
Fund	General Operating - 01	Staff	GM of Environmental Services
Category	4300 Regional Solid Waste Management	Requisition Exhibit	7

After COW to reduce 10%								
2017	Acct	See		2016	2016	2016	COW	Reduced
Category	#	Note	Account Name	Budget	Actual	Variance	Budget	Budget
01-2-4300-	729	21	Operations - Misc Transfer Stations	20,000	5,812	-14,188	20,000	7,500
01-2-4300-	732	12	Contractor - Bessborough LF	1,040,000	1,033,333	-6,667	1,060,000	1,060,000
01-2-4300-	733		Contractor/Transport/Haul - Buick	120,000	115,208	-4,792	115,000	115,000
01-2-4300-	734		Contractor/Transport/Haul - Cecil Lake	126,000	119,762	-6,238	120,000	120,000
01-2-4300-	735	12	Contractor - Chetwynd LF	560,000	554,167	-5,833	566,000	566,000
01-2-4300-	736		Contractor/Transport/Haul - Dawson Creek	247,000	217,700	-29,300	236,000	236,000
01-2-4300-	738	12/20	Contractor - North Peace LF	1,625,000	1,609,583	-15,417	1,650,000	1,650,000
01-4300	739	38	Contractor - Landfill Gas System	10,000	1,913	-8,088		-
01-2-4300-	741	21/36	Contractor - Hudson's Hope	57,000	52,800	-4,200	57,000	57,000
01-2-4300-	742	21	Contractor/Transport/Haul - Kelly Lake	122,000	120,434	-1,566	122,000	122,000
01-2-4300-	744	21/36	Contractor - Mile 62.5	52,000	48,000	-4,000	52,000	52,000
01-2-4300-	749	21	Contractor/Transport/Haul - Pink Mountain	119,000	116,432	-2,568	119,000	119,000
01-2-4300-	751		Contractor/Transport/Haul - Prespatou	127,000	119,568	-7,432	120,000	120,000
01-2-4300-	752		Contractor/Transport/Haul - Rose Prairie	120,000	106,661	-13,339	107,000	107,000
01-2-4300-	754	21	Contractor/Transport/Haul - Goodlow	110,000	113,047	3,047	110,000	115,000
01-2-4300-	755	21	Contractor/Transport/Haul - Tomslake	117,000	118,318	1,318	117,000	120,000
01-2-4300-	756	21	Contractor - Tumbler Ridge	120,000	98,433	-21,567	100,000	100,000
01-2-4300-	757	21	Contractor/Transport/Haul - Wonowon	120,000	114,465	-5,535	120,000	120,000
01-2-4300-	758	21	Contractor/Transport/Haul - Upper Halfway	130,000	130,198	198	130,000	130,000
01-2-4300-	761		Contractor/Transport/Haul - Rolla	130,000	125,460	-4,540	115,000	130,000
01-2-4300-	763	21/23	Contractor/Transport/Haul - Moberly Lake	130,000	135,470	5,470	130,000	130,000
01-2-4300-	776	15	Transport/Haul - Dawson Creek	22,000	22,419	419	23,000	23,000
01-2-4300-	781		Transport/Haul - Hudson's Hope	65,000	69,021	4,021	70,000	70,000
01-2-4300-	787	25	Transport/Haul - NP Haul All PL6	140,000	149,766	9,766	155,000	155,000
01-2-4300-	790		Transport/Haul - Pouce Coupe	2,000	1,185	-815	2,000	1,500
01-2-4300-	793		Transport/Haul - SP Haul All PL6	320,000	348,478	28,478	350,000	350,000
01-2-4300-	794	24	Transport/Haul - Taylor	7,000	18,720	11,720	12,500	12,500
01-2-4300-	796		Transport/Haul - Tumbler Ridge	105,000	105,423	423	105,000	105,000
01-2-4300-	799		Transport/Haul - Misc Transfer Stations	12,000	8,271	-3,729	9,000	9,000
01-2-4300-	840		Extra Charges Recoverable		1,060	1,060		-
01-2-4300-	872		Waste Reduction - NEAT	350,000	340,700	-9,300	345,780	345,780
01-2-4300-	873	32	Waste Reduction - Recycling-Eco Depot/R3	2,600,000	1,980,139	-619,861	1,800,000	1,800,000
01-2-4300-	875		Waste Reduction - Taylor Site Rental	6,600	6,000	-600	6,600	6,000
01-2-4300-	877		MMBC Municipal Recycle Reimbursement		10,573	10,573	10,000	10,000
01-2-4300-	894	4	Clean-up Program	130,000	116,820	-13,180	130,000	100,000
01-2-4300-	901	13	Water Monitoring - Bessborough Landfill	20,000	16,490	-3,510	20,000	20,000
01-2-4300-	902	13	Water Monitoring - Chetwynd Landfill	18,000	20,631	2,631	18,000	18,000
01-2-4300-	903	13/19	Water Monitoring - Dawson Creek	18,000	15,669	-2,331	26,500	26,500
01-2-4300-	904	13/19	Water Monitoring - North Peace Reg Landfill	14,000	8,322	-5,678	25,500	25,500
01-2-4300-	905	13	Water Monitoring - Mile 62.5	5,500	4,617	-883	5,500	5,500
01-2-4300-	906	13/19	Water Monitoring - Rose Prairie	16,000	14,508	-1,492	23,000	23,000
01-2-4300-	908	13/19	Water Monitoring - Hudson's Hope	6,000	5,722	-278	11,000	11,000
01-2-4300-	910	13	Water Monitoring - Moberly Lake	2,000	1,600	-400	4,500	4,500
01-2-4300-	911	13/19	Water Monitoring - Taylor	7,500	5,950	-1,550	11,000	11,000
01-2-4300-	913	13	Water Monitoring - Misc. Rural Sites	2,500		-2,500	2,500	2,500
01-2-4300-	915	13/19	Water Monitoring - East Pine	5,500	4,621	-879	10,000	10,000
01-2-4300-	916	13/19	Water Monitoring - Groundbirch	5,500	5,449	-51	11,000	11,000
01-2-4300-	917	13	Water Monitoring - Milligan Creek	5,500	4,806	-694	5,500	5,500
01-2-4300-	918	13	Water Monitoring - Mile 98	2,000	1,387	-613	4,500	4,500
01-2-4300-	940		Mitigation of Closed Landfills & Trsf Stations	50,000	8,943	-41,058	50,000	50,000
				12,118,156			15,354,116	12,142,964
							3,235,960	24,808
							-26.70%	0.20%
01-2-4300-	951	41	SW Capital - Bessborough LF		-0	-0	118,000	118,000
01-2-4300-	952	42	SW Capital - Chetwynd LF	1,076,000	972,358	-103,642	22,000	-
01-2-4300-	953		SW Capital - Dawson Creek TS					-
01-2-4300-	954	9/14	SW Capital - North Peace Regional LF	5,295,000	2,734,597	-2,560,403	1,922,000	1,922,000
01-2-4300-	958	3	SW Capital - Hudson's Hope TS				50,000	-
01-2-4300-	969	8	SW Capital - Groundbirch TS (Tier 1) 2018	75,000		-75,000	75,000	-
01-2-4300-	970		SW Capital - Upper Halfway TS (Tier 2) 2015	20,000	7,252	-12,748		-
01-2-4300-	973	27	SW Capital - Equipment				86,000	86,000
01-2-4300-	975		SW Capital - Miscellaneous/Equipment	50,000	40,648	-9,352	50,000	50,000

Service Other Portfolio Solid Waste Committee
Fund General Operating - 01 Staff GM of Environmental Services
Category **4300 Regional Solid Waste Management** Requisition Exhibit 7

After COW to reduce 10%									
2017	Acct	See		2016	2016	2016	COW	Reduced	
Category	#	Note	Account Name	Budget	Actual	Variance	Budget	Budget	Change
01-2-4300-	976	8	SW Capital - Lone Prairie TS (Tier 2) 2018	75,000		-75,000	75,000		- 75,000
01-2-4300-	977	8	SW Capital - Hasler Flats TS (Tier 2) 2018	75,000		-75,000	75,000	-	- 75,000
01-2-4300-	978		SW Capital - Moberly Lake TS (Tier 2) 2015	20,000	19,126	-874		-	-
01-2-4300-	979		SW Capital - Rolla TS (Tier 2) 2015	20,000	8,055	-11,945		-	-
01-2-4300-	980	8	SW Capital - Lebell TS (Tier 2) 2017	75,000		-75,000	75,000		- 75,000
01-2-4300-	983	8	SW Capital - Doig River TS (Tier 2) 2018	75,000		-75,000	75,000		- 75,000
01-2-4300-	988	44	SW Capital - Landfill Gas Collection				302,000	302,000	-
01-2-4300-	989	45	SW Capital - Landfill Gas Utilization						-
Total Category Expenditures				18,974,156	3,782,036	(3,073,964)	18,279,116	14,620,964	(3,658,152)
				Change from				(4,353,192)	
				LY Budget				-22.94%	19.28%

Total Reduction (with the debenture payment removed) 19.28%
Removing transfer payment that is to replace what was used and will be from debenture funds 21.58%

R-6

Handout

Service	Other	Portfolio	Solid Waste Committee
Fund	General Operating - 01	Staff	GM of Environmental Services
Category	4300 Regional Solid Waste Management	Requisition Exhibit	7

For 1st & 2nd Reading - March 9, 2017

(Used same, 2% inflation, or actual)

2017	Acct	See		2016	2016	2016	2017	2018	2019	2020	2021
Category	#	Note	Account Name	Budget	Actual	Variance	Budget	Budget	Budget	Budget	Budget

Budget Notes:

- 1 Includes: SWANA; RCBC; an BCPSC
- 2 Combined together Travel, Training, Conferences & Workshops (includes all meals while away). Continuing education for existing/new staff includes: MOLO, RCA, RCBC and additional SWANA courses.
- 3 Hudson's Hope Transfer Station: supply, delivery and infrastructure necessary to replace the attendant building with a container office module.
- 4 Budget for the computer programming changes for the Semi-paperless clean up program. The change to the coupon program is that only those that used a coupon last year will automatically be mailed their new coupons. If they did not use them, but qualify they can call and they will be sent the coupon. Still doing spring & fall bins and bins located inside Tier 2 suites gates, and available 24/7 at "strategic" unmanned sites
- 5 Selling later in year (use for seasonal staff so long as cost effective).
- 6 Upgrade yard lights to LED.
- 7 Consultant costs include: 1. Waste Composition Study (per Board 27 Oct/16); 2. Finalization of composting facility plan for the NPRL composting pad compliant with Organic Matter Recycling Regulation (OMRR); 3. Finalization of guidance document for SSG (landfill contractors) to operate the Composting Facility; 4. other studies or professional assistance that may arise during the year.
- 8 Costs are based on construction of similar transfer stations in 2012, 2013 & 2015. **Project Book Page 35 (all #8's between -969 & -983)**
- 9 Phase 1 Landfill Closure: Cost in 2018 is for design, construction document preparation, and RFP tendering services. Cost in 2019 for construction of Phase 1 closure cover, contract administration, and construction quality assurance oversight/reporting. **Project Book Page 25 & Page 29 & Page 31**
- 10 Maintain current amount of \$30K for ongoing scale/building maintenance and Annual report by consultant plus an additional \$7K for external ground survey to check intermediate cover grades, and replacement of computer in attendant building.
- 11 The debt planned for last year will be this year. The budget includes the new loan payments (\$5M for 10 Yrs)
- 12 From S.S.G. Holdings Ltd. June 25, 2015 contract pricing for 2017/18
- 13 Per Consultant's Schedule provided for 2017 on December 22, 2016.
- 14 Engineering costs for completion of infrastructure upgrades (front entrance, weigh scales, recycling area, composting pad) and includes engineering oversight and reporting. Budget was \$5,295,000, spent \$2,06,474 which should be \$2,588,526 to complete. Due to change order \$1,922,000 is budget. **Project Book Page 29 & Page 31**
- 15 Increase in hauling rate. Agreements with DC, PC, Taylor, HH, TR to pay them for additional cost to haul to landfills when theirs were closed.
- 16 Includes charges to local Bands and Reserves
- 17 Typical work to be done includes pumping leachate pipe, fixing leachate seeps, and Annual Report completed by consultant. Increase 2016 amount of \$7K for external ground survey to check landfill intermediate cover grades, and replacement of attendant building computer.
- 18 LFG O&M portion of annual maintenance moved to 4300-709. Maintain current amount of \$51K for on-going maintenance and Annual Report completed by consultant and an additional \$25K for preparation of 5-year fill sequencing plans, external ground survey to check intermediate cover grades, compaction testing during the construction of the composting pad, and replacement of computer in attendant building; store old attendant building until it can be moved to Dawson Creek TS in 2017.
- 19 Includes additional costs for the installation and/or decommissioning and installation of groundwater monitoring wells along with costs for professional oversight.
- 20 Includes additional cost for contractor to manage composting facility and place engineered compacted fill for the construction of composting pad.
- 21 Budgeting for operational requirements - adjust previous year accordingly.
- 22 Wages & Benefits (includes GM of Environmental Services; Solid Waste Manager; Environmental Coordinator; SW Coordinator; Plus 2 Finance staff; Plus Field Services that includes seasonal workers for a maximum of 52 weeks combined or all temporary seasonal) - some of the other functions contribute an Admin Fee to SW for the time of their staff such as Parks.
- 23 All included in -763 (Contractor/Transport/Haul - Moberly Lake)
- 24 Last year was higher due to the year before missed half year payment so there were 3 payments in 2016. Back to 2 payments this year.
- 25 Contract price increased by \$25 per hour in 2016.
- 26 **Project Book Page 33**
- 27 Replacement for stolen skid-steer and trailer (partially paid by insurance). Plus \$50K for other miscellaneous major equipment as required.
- 28 Includes drafting of land purchase agreements for transfer stations
- 29 Increased by an additional \$29K from \$20K to \$49K to account for the transport, installation, and utilities (electrical, sewer, water, IT) of the old NPRL scalehouse to replace the existing scalehouse at DCTS (\$25K) and supply and installation of a "stop-go" traffic lights (\$4K).
- 30 Borrowing \$5M for 10 year term. Replacing \$2.5M that was used from reserve for work done in 2016 - Adding \$1M to Reserve.
- 31
- 32 Audit conducted, lasted a year and resulted in reduced comingled price. However, the increase can be contributed to the RD being financially responsible for post processing of municipal curbside recycling (Fort St. John and Pouce Coupe). Recycling costs are estimated at around \$800,000.
- 33 Maintain Budget amount. Completed one year of the program and expect the same results this year.
- 34
- 35 Operational Costs to maintain transfer bins (include property taxes)
- 36 No contract increase. Keeping higher than last year actual in case of above average snow removal.
- 37
- 38 Landfill Gas Contractor cost, reduced because as of February 19th, the contract is combined with the North Peace Regional Landfill operating costs.
- 39 Already have maximum per bylaw in reserve.
- 40 For O&M and repairs (GHD budgetary cost estimate provided on December 4, 2017): \$42,275 (repairs) + \$50,125 (O&M).
- 41 Phase 1 & 2 Landfill Closure. Phase 3 Landfill Expansion/Stormwater System: Cost in 2017 for design (Phase 1 landfill closure, Phase 2 landfill closure, and Phase 3 landfill expansion/stormwater system), preparation of construction documents, and RFP tendering. Cost in 2018 for landfill closure (Phase 1 and 2), landfill expansion (Phase 3), and stormwater system (Phase 3), contract administration, and CQA oversight/reporting.

R-6

Handout

Service Other Portfolio Solid Waste Committee
Fund General Operating - 01 Staff GM of Environmental Services
Category **4300 Regional Solid Waste Management** Requisition Exhibit 7

For 1st & 2nd Reading - March 9, 2017

(Used same, 2% inflation, or actual)

2017	Acct	See		2016	2016	2016	2017	2018	2019	2020	2021
Category	#	Note	Account Name	Budget	Actual	Variance	Budget	Budget	Budget	Budget	Budget
REVENUE											
4300 Regional Solid Waste Management											
01-1-4300-	110		Requisition - electoral	4,773,234	4,773,234		4,117,374	6,439,453	6,429,214	5,725,180	5,848,012
01-1-4300-	111		Requisition - municipal	2,270,172	2,270,172	0	1,859,297	2,907,887	2,903,263	2,585,340	2,640,807
01-1-4300-	116		Interest on Reserves		8,153	8,153		-	-	-	-
01-1-4300-	120		Grants-in-lieu	480,000	727,095	247,095	600,000	600,000	600,000	600,000	600,000
01-1-4300-	122		SW - Misc Fees - Sch C	100	2,380	2,280	100	100	100	100	100
01-1-4300-	123		Weight Fee	100	270	170	100				
01-1-4300-	124		Unsecure Loads	1,500	2,323	823	1,500				
01-1-4300-	125		Cash Short/Over - Rolla	10	50	40	10				
01-1-4300-	126		Cash Short/Over - Kelly Lake TS	10	0	-10	10	10	10	10	10
01-1-4300-	127		Cash Short/Over - Tomslake TS	10	6	-4	10	10	10	10	10
01-1-4300-	128		Cash Short/Over - Pink Mtn TS	10	1	-10	10	10	10	10	10
01-1-4300-	129		Cash Short/Over - Wonowon TS	10		-10	10	10	10	10	10
01-1-4300-	130		Cash Short/Over - Prespatou TS	10	85	75	10	10	10	10	10
01-1-4300-	131		Cash Short/Over - Bessborough LF	10	-401	-411	10	10	10	10	10
01-1-4300-	132		Cash Short/Over - Chetwynd LF	10	-218	-228	10	10	10	10	10
01-1-4300-	133		Cash Short/Over - Dawson Creek TS	10	277	267	10	10	10	10	10
01-1-4300-	134		Cash Short/Over - Fort St. John LF	10	-299	-309	10	10	10	10	10
01-1-4300-	135		Cash Short/Over - Mile 62.5 TS	10		-10	10	10	10	10	10
01-1-4300-	136		Cash Short/Over - Rose Prairie TS	10	10	-0	10	10	10	10	10
01-1-4300-	137		Cash Short/Over - Buick TS	10		-10	10	10	10	10	10
01-1-4300-	138		Cash Short/Over - Cecil Lake TS	10	-55	-65	10	10	10	10	10
01-1-4300-	139		Cash Short/Over - Goodlow TS	10	-6	-16	10	10	10	10	10
01-1-4300-	140		Extra Charges Recovered		1,060	1,060	-	-	-	-	-
01-1-4300-	141	21	Fees - Bessborough LF	1,200,000	1,171,098	-28,902	1,100,000	1,122,000	1,144,440	1,167,329	1,190,675
01-1-4300-	142	21	Fees - Chetwynd LF	400,000	454,038	54,038	400,000	408,000	416,160	424,483	432,973
01-1-4300-	143	21	Fees - Dawson Creek TS	60,000	64,198	4,198	60,000	61,200	62,424	63,672	64,946
01-1-4300-	144	21	Fees - Fort St. John LF	2,600,000	1,997,352	-602,648	2,300,000	2,346,000	2,392,920	2,440,778	2,489,594
01-1-4300-	145	21	Fees - Mile 62.5 TS	3,000	3,101	101	3,000	3,060	3,121	3,184	3,247
01-1-4300-	146	21	Fees - Rose Prairie TS	4,000	3,058	-943	3,000	3,060	3,121	3,184	3,247
01-1-4300-	147	21	Fees - Buick	1,500	1,354	-146	1,300	1,326	1,353	1,380	1,407
01-1-4300-	148	21	Fees - Cecil Lake	2,200	2,740	540	2,500	2,550	2,601	2,653	2,706
01-1-4300-	149	21	Fees - Goodlow	1,000	294	-706	500	510	520	531	541
01-1-4300-	150	21	Fees - Rolla	1,000	5,864	4,864	5,000	5,100	5,202	5,306	5,412
01-1-4300-	151	21	Fees - Moberly	1,000	3,316	2,316	3,000	3,060	3,121	3,184	3,247
01-1-4300-	152	21	Fees - Upper Halfway	1,000	1,431	431	1,000	1,020	1,040	1,061	1,082
01-1-4300-	153		Debenture Refund				-	-	-	-	-
01-1-4300-	155		Shared administration fees	19,500	12,500	-7,000	19,500	19,500	19,500	19,500	19,500
01-1-4300-	157	16	Recovered costs	20,000	32,090	12,090	20,000	20,400	20,808	21,224	21,649
01-1-4300-	158		Commissions - recycling	1,500	17,324	15,824	10,000	10,200	10,404	10,612	10,824
01-1-4300-	159		Metals Salvage	1,500		-1,500	100	102	104	106	108
01-1-4300-	160		Sale of Capital Assets	1,500		-1,500	-	-	-	-	-
01-1-4300-	161		Insurance Proceeds		11,700	11,700	11,700				
01-1-4300-	162		Grants								
01-1-4300-	165	33	MMBC - Recycle Revenue	1,000	2,060	1,060	2,000	2,040	2,081	2,122	2,165
01-1-4300-	166	33	MMBC - Education & Training Funds	29,000	70,562	41,562	60,000	61,200	62,424	63,672	64,946
01-1-4300-	167		MMBC - Municipal Revenue (TR)		10,573	10,573	7,000	7,000	7,000	7,000	7,000
01-1-4300-	168	33	MMBC - Hauling Rebates	1,000	3,921	2,921	2,000	2,040	2,081	2,122	2,165
01-1-4300-	169		Cash Short/Over - Moberly	10	12	2	10	10	10	10	10
01-1-4300-	170		Cash Short/Over - Upper Halfway	10	13	3	10	10	10	10	10
01-1-4300-	171	21	Fees - Kelly Lake TS	1,000	1,253	253	1,000	1,020	1,040	1,061	1,082
01-1-4300-	172	21	Fees - Tomslake TS	5,500	5,578	78	5,500	5,610	5,722	5,837	5,953
01-1-4300-	173	21	Fees - Pink Mountain TS	500	365	-135	500	510	520	531	541
01-1-4300-	174	21	Fees - Wonowon TS	1,000	1,152	152	1,000	1,020	1,040	1,061	1,082
01-1-4300-	175	21	Fees - Prespatou TS	3,500	4,207	707	3,500	3,570	3,641	3,714	3,789
01-1-4300-	178		MFA Actuarial Contributions	40,028	58,711	18,683	58,711	58,711	78,167	98,428	119,528
01-1-4300-	189	30	Borrowing Proceeds	5,000,000		-5,000,000	5,000,000	-	4,000,000		
01-1-4300-	190		Appr. Surplus - Solid Waste	2,012,651	2,012,651	-0	1,460,611				
01-1-4300-	191		Transfer from Operating Reserve	35,000		-35,000	-				
01-1-4300-	195	15	Transfer from Capital Reserves		2,535,000	2,535,000		5,000,000			
Total Category Revenue				18,974,155	16,271,652	-2,702,504	17,120,964	19,097,409	18,183,294	13,264,516	13,548,491
Rev	Tax Rates (based on current year assessments)>>			0.309	Change from LY	(0.047)	0.262	0.409	0.409	0.364	0.372
35%	Total Amount to Requisition:			7,043,406	Requisition/Parcel Tax		5,976,671	9,347,340	9,332,477	8,310,520	8,488,819
4%	5,976,671			480,000	Grants		600,000	600,000	600,000	600,000	600,000
29%	Prior Year Requisition:			5,000,000	Borrowing Proceeds		5,000,000	-	4,000,000	-	-
	7,043,406			35,000	Trsf. From Reserves		-	5,000,000	-	-	-
9%	Change from Prior Year			2,012,651	Prior Year Surplus		1,460,611	-	-	-	-
24%	-1,066,735			4,403,098	Other		4,083,681	4,150,069	4,250,817	4,353,996	4,459,672
				18,974,155			17,120,964	19,097,409	18,183,294	13,264,516	13,548,491

R-6

Handout

Service Other Portfolio Solid Waste Committee
Fund General Operating - 01 Staff GM of Environmental Services
Category **4300 Regional Solid Waste Management** Requisition Exhibit 7

For 1st & 2nd Reading - March 9, 2017

(Used same, 2% inflation, or actual)

2017	Acct	See		2016	2016	2016	2017	2018	2019	2020	2021
Category	#	Note	Account Name	Budget	Actual	Variance	Budget	Budget	Budget	Budget	Budget

EXPENDITURES

4300 Regional Solid Waste Management

01-2-4300-	200	22	Wages - full time	670,466	599,956	-70,510	670,466	703,989	739,189	776,148	814,956
01-2-4300-	205	22	Benefits	189,718	144,330	-45,388	189,718	199,204	209,164	219,622	230,603
01-2-4300-	206	22	WCB	7,408	7,003	-405	7,127	7,483	7,858	8,250	8,663
01-2-4300-	210	2	Travel / Training / Conferences / Workshops	20,000	12,559	-7,441	17,000	17,340	17,687	18,041	18,401
01-2-4300-	211		Travel, Use of RD Vehicle	39,400	39,400		19,900	20,298	20,704	21,118	21,540
01-2-4300-	212		Mileage In-Region	500	21	-479	300	300	300	300	300
01-2-4300-	215		Meals In-Region	4,000	3,127	-873	3,500	3,570	3,641	3,714	3,789
01-2-4300-	216		Meetings	2,000	1,800	-200	2,200	5,000	5,000	5,000	5,000
01-2-4300-	218	1	Memberships	5,000	6,185	1,185	5,000	5,100	5,202	5,306	5,412
01-2-4300-	230		Phone, internet & alarms	6,000	4,761	-1,239	5,000	5,100	5,202	5,306	5,412
01-2-4300-	240		Advertising	35,000	14,803	-20,197	15,000	15,300	15,606	15,918	16,236
01-2-4300-	242	43	Videos	25,000	11,021	-13,979	13,979	24,000	5,000	5,000	5,000
01-2-4300-	250	28	Legal Services	20,000	2,148	-17,852	10,000	25,000	25,000	25,000	25,000
01-2-4300-	252	7	Consulting Services	40,000	17,331	-22,669	30,000	50,000	50,000	50,000	50,000
01-2-4300-	256	26	Waste Composition Study				128,100				
01-2-4300-	260		Insurance	11,300	11,581	281	11,900	12,138	12,381	12,628	12,881
01-2-4300-	261		Administration fees	198,000	198,000		198,000	198,000	198,000	198,000	198,000
01-2-4300-	262	11	Interest - debenture	240,174	165,174	-75,000	240,174	240,174	240,174	240,174	240,174
01-2-4300-	263	11	Principal - debenture	414,109	414,109		414,109	850,562	850,562	850,562	850,562
01-2-4300-	289		Actuarial Recognized	58,711	58,711		58,711	78,167	115,378	154,106	204,582
01-2-4300-	298		Bad Debts	1,000		-1,000	1,000	1,000	1,000	1,000	
01-2-4300-	299		Miscellaneous	2,000		-2,000	2,000	5,000	5,000	5,000	5,000
01-2-4300-	309		Unit #9 - Trailtech Flatdeck Trailer	2,000	600	-1,400	1,000	1,020	1,040	1,061	1,082
01-2-4300-	311		Unit #11 - Bobcat	7,000	2,938	-4,062	3,000	3,060	3,121	3,184	3,247
01-2-4300-	314		Unit #14 - Flat Deck Hauler	2,000	236	-1,764	1,000	1,020	1,040	1,061	1,082
01-2-4300-	315	5	Unit #15 - 2005 GMC 3/4 T	5,000	8,604	3,604	3,500	3,570	3,641	3,714	3,789
01-2-4300-	316		Unit #16 - Load Trail Black Dump Trl	4,000	851	-3,149	2,000	2,040	2,081	2,122	2,165
01-2-4300-	317		Unit #17 - Sterling Picker Truck	20,000	11,227	-8,773	13,000	13,260	13,525	13,796	14,072
01-2-4300-	321		Unit #21 - 1 Ton Chev (White)	21,000	17,638	-3,362	13,000	13,260	13,525	13,796	14,072
01-2-4300-	324		Unit #24 - Replacement for Unit #15	10,000	4,666	-5,334	8,000	8,160	8,323	8,490	8,659
01-2-4300-	361		Supplies - shop/warehouse	10,000	8,925	-1,075	8,000	8,160	8,323	8,490	8,659
01-2-4300-	362		Supplies - office & computer (RD)	42,000	38,479	-3,521	33,000	33,660	34,333	35,020	35,720
01-2-4300-	365		Banking Fees		12,135	12,135	14,000	14,280	14,566	14,857	15,154
01-2-4300-	600	39	Transfer to Op Reserves				-	100,000	100,000	100,000	100,000
01-2-4300-	603		Transfer to Capital Resv-Vehicle/Equipment					-	-	-	-
01-2-4300-	605		Trsf to "Green" Carbon Reserve	1,770	1,770			-	-	-	-
01-2-4300-	607	30	Transfer to Capital Reserve	500,000	500,000		3,500,000	-	1,000,000	1,000,000	1,000,000
01-2-4300-	608		Transfer to Landfill Closure Liability Reserve	100,000	100,000		220,000	220,000	220,000	220,000	220,000
01-2-4300-	610		Transfer Interest on Reserve		8,153	8,153		-	-	-	-
01-2-4300-	702	17	Operations - Bessborough LF	41,000	33,893	-7,107	48,000	48,960	49,939	50,938	51,957
01-2-4300-	703	6	Operations - Buick Crk TS	7,500	6,509	-991	7,500	7,500	7,500	7,500	7,500
01-2-4300-	705	10	Operations - Chetwynd LF	30,000	24,201	-5,799	37,000	37,740	38,495	39,265	40,050
01-2-4300-	706	29	Operations - Dawson Creek	20,000	23,649	3,649	49,000	25,500	26,010	26,530	27,061
01-2-4300-	708	18	Operations - North Peace LF	51,000	60,101	9,101	76,000	77,520	79,070	80,652	82,265
01-2-4300-	709	40	Operations - Landfill Gas System	10,000	28,815	18,815	93,000	51,128	52,151	53,194	54,257
01-2-4300-	711	21	Operations - Hudson's Hope	6,000	5,809	-191	10,000	10,200	10,404	10,612	10,824
01-2-4300-	712	21	Operations - Kelly Lake	7,500	3,652	-3,848	5,000	5,100	5,202	5,306	5,412
01-2-4300-	713	21	Operations - Upper Halfway	7,500	4,761	-2,739	5,500	5,610	5,722	5,837	5,953
01-2-4300-	714	21	Operations - Mile 62.5	7,500	4,860	-2,640	5,500	5,610	5,722	5,837	5,953
01-2-4300-	715		Operations - Rolla	7,500	7,898	398	5,500	5,610	5,722	5,837	5,953
01-2-4300-	716		Operations - Moberly Lake	7,500	8,428	928	5,500	5,610	5,722	5,837	5,953
01-2-4300-	719		Operations - Pink Mountain	7,500	6,958	-542	5,500	5,610	5,722	5,837	5,953
01-2-4300-	721	21	Operations - Cecil Lake	7,500	3,178	-4,322	4,500	4,500	4,500	4,500	4,500
01-2-4300-	722	21	Operations - Rose Prairie	7,500	3,732	-3,768	4,500	4,590	4,682	4,775	4,871
01-2-4300-	723	21	Operations - Goodlow	7,500	3,117	-4,383	4,500	4,500	4,500	4,500	4,500
01-2-4300-	724	21	Operations - Taylor	1,000	57	-943	500	510	520	531	541
01-2-4300-	725		Operations - Tomslake	7,500	3,395	-4,105	4,500	4,590	4,682	4,775	4,871
01-2-4300-	726	35	Operations - Tumbler Ridge	7,500	233	-7,267	1,000	1,020	1,040	1,061	1,082
01-2-4300-	727	21	Operations - Wonowon	7,500	5,622	-1,878	7,500	7,650	7,803	7,959	8,118
01-2-4300-	728	21	Operations - Prespatou	7,500	7,837	337	7,500	7,650	7,803	7,959	8,118

Service Fund Category	Other General Operating - 01		Portfolio Staff	Solid Waste Committee							
				GM of Environmental Services							
	4300 Regional Solid Waste Management		Requisition Exhibit	7							
			For 1st & 2nd Reading - March 9, 2017			(Used same, 2% inflation, or actual)					
2017	Acct #	See Note	2016 Budget	2016 Actual	2016 Variance	2017 Budget	2018 Budget	2019 Budget	2020 Budget	2021 Budget	
01-2-4300-	729	21	Operations - Misc Transfer Stations	20,000	5,812	-14,188	7,500	7,650	7,803	7,959	8,118
01-2-4300-	732	12	Contractor - Bessborough LF	1,040,000	1,033,333	-6,667	1,060,000	1,081,200	1,102,824	1,124,880	1,147,378
01-2-4300-	733		Contractor/Transport/Haul - Buick	120,000	115,208	-4,792	115,000	117,300	119,646	122,039	124,480
01-2-4300-	734		Contractor/Transport/Haul - Cecil Lake	126,000	119,762	-6,238	120,000	122,400	124,848	127,345	129,892
01-2-4300-	735	12	Contractor - Chetwynd LF	560,000	554,167	-5,833	566,000	577,320	588,866	600,644	612,657
01-2-4300-	736		Contractor/Transport/Haul - Dawson Creek	247,000	217,700	-29,300	236,000	240,720	245,534	250,445	255,454
01-2-4300-	738	12/20	Contractor - North Peace LF	1,625,000	1,609,583	-15,417	1,650,000	1,683,000	1,716,660	1,750,993	1,786,013
01-4300-	739	38	Contractor - Landfill Gas System	10,000	1,913	-8,088	-	-	-	-	-
01-2-4300-	741	21/36	Contractor - Hudson's Hope	57,000	52,800	-4,200	57,000	58,140	59,303	60,489	61,699
01-2-4300-	742	21	Contractor/Transport/Haul - Kelly Lake	122,000	120,434	-1,566	122,000	124,440	126,929	129,467	132,057
01-2-4300-	744	21/36	Contractor - Mile 62.5	52,000	48,000	-4,000	52,000	53,040	54,101	55,183	56,286
01-2-4300-	749	21	Contractor/Transport/Haul - Pink Mountain	119,000	116,432	-2,568	119,000	121,380	123,808	126,284	128,809
01-2-4300-	751		Contractor/Transport/Haul - Prespatou	127,000	119,568	-7,432	120,000	122,400	124,848	127,345	129,892
01-2-4300-	752		Contractor/Transport/Haul - Rose Prairie	120,000	106,661	-13,339	107,000	109,140	111,323	113,549	115,820
01-2-4300-	754	21	Contractor/Transport/Haul - Goodlow	110,000	113,047	3,047	115,000	117,300	119,646	122,039	124,480
01-2-4300-	755	21	Contractor/Transport/Haul - Tomslake	117,000	118,318	1,318	120,000	122,400	124,848	127,345	129,892
01-2-4300-	756	21	Contractor - Tumbler Ridge	120,000	98,433	-21,567	100,000	102,000	104,040	106,121	108,243
01-2-4300-	757	21	Contractor/Transport/Haul - Wonowon	120,000	114,465	-5,535	120,000	122,400	124,848	127,345	129,892
01-2-4300-	758	21	Contractor/Transport/Haul - Upper Halfway	130,000	130,198	198	130,000	130,000	132,600	135,252	137,957
01-2-4300-	761		Contractor/Transport/Haul - Rolla	130,000	125,460	-4,540	130,000	135,000	137,700	140,454	143,263
01-2-4300-	763	21/23	Contractor/Transport/Haul - Moberly Lake	130,000	135,470	5,470	130,000	135,000	137,700	140,454	143,263
01-2-4300-	776	15	Transport/Haul - Dawson Creek	22,000	22,419	419	23,000	23,460	23,929	24,408	24,896
01-2-4300-	781		Transport/Haul - Hudson's Hope	65,000	69,021	4,021	70,000	71,400	72,828	74,285	75,770
01-2-4300-	787	25	Transport/Haul - NP Haul All PL6	140,000	149,766	9,766	155,000	158,100	161,262	164,487	167,777
01-2-4300-	790		Transport/Haul - Pouce Coupe	2,000	1,185	-815	1,500	1,530	1,561	1,592	1,624
01-2-4300-	793	25	Transport/Haul - SP Haul All PL6	320,000	348,478	28,478	350,000	357,000	364,140	371,423	378,851
01-2-4300-	794	24	Transport/Haul - Taylor	7,000	18,720	11,720	12,500	12,750	13,005	13,265	13,530
01-2-4300-	796		Transport/Haul - Tumbler Ridge	105,000	105,423	423	105,000	107,100	109,242	111,427	113,655
01-2-4300-	799		Transport/Haul - Misc Transfer Stations	12,000	8,271	-3,729	9,000	9,180	9,364	9,551	9,742
01-2-4300-	840		Extra Charges Recoverable		1,060	1,060	-	-	-	-	-
01-2-4300-	872		Waste Reduction - NEAT	350,000	340,700	-9,300	345,780	352,696	359,750	366,945	374,283
01-2-4300-	873	32	Waste Reduction - Recycling-Eco Depot/R3	2,600,000	1,980,139	-619,861	1,800,000	1,836,000	1,872,720	1,910,174	1,948,378
01-2-4300-	875		Waste Reduction - Taylor Site Rental	6,600	6,000	-600	6,000	6,120	6,242	6,367	6,495
01-2-4300-	877		MMBC Municipal Recycle Reimbursement		10,573	10,573	10,000	10,200	10,404	10,612	10,824
01-2-4300-	894	4	Clean-up Program	130,000	116,820	-13,180	100,000	100,000	75,000	75,000	75,000
01-2-4300-	901	13	Water Monitoring - Bessborough Landfill	20,000	16,490	-3,510	20,000	20,400	20,808	21,224	21,649
01-2-4300-	902	13	Water Monitoring - Chetwynd Landfill	18,000	20,631	2,631	18,000	18,360	18,727	19,102	19,484
01-2-4300-	903	13/19	Water Monitoring - Dawson Creek	18,000	15,669	-2,331	26,500	20,400	20,808	21,224	21,649
01-2-4300-	904	13/19	Water Monitoring - North Peace Reg Landfill	14,000	8,322	-5,678	25,500	14,280	14,566	14,857	15,154
01-2-4300-	905	13	Water Monitoring - Mile 62.5	5,500	4,617	-883	5,500	5,610	5,722	5,837	5,953
01-2-4300-	906	13/19	Water Monitoring - Rose Prairie	16,000	14,508	-1,492	23,000	17,340	17,687	18,041	18,401
01-2-4300-	908	13/19	Water Monitoring - Hudson's Hope	6,000	5,722	-278	11,000	6,120	6,242	6,367	6,495
01-2-4300-	910	13	Water Monitoring - Moberly Lake	2,000	1,600	-400	4,500	4,590	4,682	4,775	4,871
01-2-4300-	911	13/19	Water Monitoring - Taylor	7,500	5,950	-1,550	11,000	7,650	7,803	7,959	8,118
01-2-4300-	913	13	Water Monitoring - Misc. Rural Sites	2,500		-2,500	2,500	2,550	2,601	2,653	2,706
01-2-4300-	915	13/19	Water Monitoring - East Pine	5,500	4,621	-879	10,000	5,610	5,722	5,837	5,953
01-2-4300-	916	13/19	Water Monitoring - Groundbirch	5,500	5,449	-51	11,000	5,610	5,722	5,837	5,953
01-2-4300-	917	13	Water Monitoring - Milligan Creek	5,500	4,806	-694	5,500	5,610	5,722	5,837	5,953
01-2-4300-	918	13	Water Monitoring - Mile 98	2,000	1,387	-613	4,500	4,590	4,682	4,775	4,871
01-2-4300-	940		Mitigation of Closed Landfills & Trsf Stations	50,000	8,943	-41,058	50,000	50,000	50,000	50,000	50,000
01-2-4300-	951	41	SW Capital - Bessborough LF		-0	-0	118,000	3,739,000	-	-	-
01-2-4300-	952	42	SW Capital - Chetwynd LF	1,076,000	972,358	-103,642	-	112,000	1,496,000	-	-
01-2-4300-	953		SW Capital - Dawson Creek TS				-	-	-	-	-
01-2-4300-	954	9/14	SW Capital - North Peace Regional LF	5,295,000	2,734,597	-2,560,403	1,922,000	78,000	1,417,000	-	-
01-2-4300-	958	3	SW Capital - Hudson's Hope TS				-	-	-	-	-
01-2-4300-	969	8	SW Capital - Groundbirch TS (Tier 1) 2018	75,000		-75,000	-	725,000	-	-	-
01-2-4300-	970		SW Capital - Upper Halfway TS (Tier 2) 2015	20,000	7,252	-12,748	-	-	-	-	-
01-2-4300-	973	27	SW Capital - Equipment				86,000				
01-2-4300-	975		SW Capital - Miscellaneous/Equipment	50,000	40,648	-9,352	50,000	50,000	50,000	50,000	50,000
01-2-4300-	976	8	SW Capital - Lone Prairie TS (Tier 2) 2018	75,000		-75,000	-	525,000	-	-	-
01-2-4300-	977	8	SW Capital - Hasler Flats TS (Tier 2) 2018	75,000		-75,000	-	525,000	-	-	-
01-2-4300-	978		SW Capital - Moberly Lake TS (Tier 2) 2015	20,000	19,126	-874	-	-	-	-	-
01-2-4300-	979		SW Capital - Rolla TS (Tier 2) 2015	20,000	8,055	-11,945	-	-	-	-	-
01-2-4300-	980	8	SW Capital - Lebell TS (Tier 2) 2017	75,000		-75,000	-	525,000	-	-	-
01-2-4300-	983	8	SW Capital - Doig River TS (Tier 2) 2018	75,000		-75,000	-	525,000	-	-	-
01-2-4300-	988	44	SW Capital - Landfill Gas Collection				302,000	312,000	-	-	-
01-2-4300-	989	45	SW Capital - Landfill Gas Utilization				-	250,000	2,273,000	-	-
Total Category Expenditures			18,974,156	14,811,040	-4,163,115	17,120,964	19,097,409	18,183,294	13,264,516	13,548,491	
Surplus (deficit) carry forward				1,460,611		(1,853,192)					
					Change from LY Budget	-9.77%	Operating Reserve	Dec. 31		1,034,158	

R-6 Handout

Service	Other	Portfolio	Solid Waste Committee
Fund	General Operating - 01	Staff	GM of Environmental Services
Category	4300 Regional Solid Waste Management	Requisition Exhibit	7
		For 1st & 2nd Reading - March 9, 2017	
		(Used same, 2% inflation, or actual)	
2017	Acct See	2016	2016
Category # Note	Account Name	Budget	Actual
		2016	2017
		Variance	Budget
		2018	2019
		Budget	Budget
		2020	2021
		Budget	Budget

Budget Notes:

- 1 Includes: SWANA; RCBC; an BCPSC
- 2 Combined together Travel, Training, Conferences & Workshops (includes all meals while away). Continuing education for existing/new staff includes: MOLO, RCA, RCBC and additional SWANA courses.
- 3 Hudson's Hope Transfer Station: supply, delivery and infrastructure necessary to replace the attendant building with a container office module.
- 4 Budget for the computer programming changes for the Semi-paperless clean up program. The change to the coupon program is that only those that used a coupon last year will automatically be mailed their new coupons. If they did not use them, but qualify they can call and they will be sent the coupon. Still doing spring & fall bins and bins located inside Tier 2 site gates, and available 24/7 at "strategic" unmanned sites
- 5 Selling later in year (use for seasonal staff so long as cost effective).
- 6 Upgrade yard lights to LED.
- 7 Consultant costs include: 1. Finalization of composting facility plan for the NPRL composting pad compliant with Organic Matter Recycling Regulation (OMRR); 2. Finalization of guidance document for SSG (landfill contractors) to operate the Composting Facility; 3. other studies or professional assistance that may arise during the year.
- 8 Costs are based on construction of similar transfer stations in 2012, 2013 & 2015. **Project Book Page 35 (all #8's between -969 & -983)**
- 9 Phase 1 Landfill Closure: Cost in 2018 is for design, construction document preparation, and RFP tendering services. Cost in 2019 for construction of Phase 1 closure cover, contract administration, and construction quality assurance oversight/reporting. **Project Book Page 25 & Page 29 & Page 31**
- 10 Maintain current amount of \$30K for ongoing scale/building maintenance and Annual report by consultant plus an additional \$7K for external ground survey to check intermediate cover grades, and replacement of computer in attendant building.
- 11 The debt planned for last year will be this year. The budget includes the new loan payments (\$5M for 10 Yrs)
- 12 From S.S.G. Holdings Ltd. June 25, 2015 contract pricing for 2017/18
- 13 Per Consultant's Schedule provided for 2017 on December 22, 2016.
- 14 Engineering costs for completion of infrastructure upgrades (front entrance, weigh scales, recycling area, composting pad) and includes engineering oversight and reporting. Budget was \$5,295,000, spent \$2,06,474 which should be \$2,588,526 to complete. Due to decrease in scope of work the budget for project completion is \$1,922,000. **Project Book Page 29 & Page 31**
- 15 Increase in hauling rate. Agreements with DC, PC, Taylor, HH, TR to pay them for additional cost to haul to landfills when theirs were closed.
- 16 Includes charges to local Bands and Reserves
- 17 Typical work to be done includes pumping leachate pipe, fixing leachate seeps, and Annual Report completed by consultant. Increase 2016 amount of \$7K for external ground survey to check landfill intermediate cover grades, and replacement of attendant building computer.
- 18 LFG O&M portion of annual maintenance moved to 4300-709. Maintain current amount of \$51K for on-going maintenance and Annual Report completed by consultant and an additional \$25K for preparation of 5-year fill sequencing plans, external ground survey to check intermediate cover grades, compaction testing during the construction of the composting pad, and replacement of computer in attendant building; store old attendant building until it can be moved to Dawson Creek TS in 2017.
- 19 Includes additional costs for the installation and/or decommissioning and installation of groundwater monitoring wells along with costs for professional oversight.
- 20 Includes additional cost for contractor to manage composting facility and place engineered compacted fill for the construction of composting pad.
- 21 Budgeting for operational requirements - adjust previous year accordingly.
- 22 Wages & Benefits (includes GM of Environmental Services; Solid Waste Manager; Environmental Coordinator; SW Coordinator; Plus 2 Finance staff; Plus Field Services that includes seasonal workers for a maximum of 52 weeks combined or all temporary seasonal) - some of the other functions contribute an Admin Fee to SW for the time of their staff such as Parks.
- 23
- 24 Last year was higher due to the year before missed half year payment so there were 3 payments in 2016. Back to 2 payments this year.
- 25 Contract price increased by \$25 per hour in 2016.
- 26 Waste Composition Study (per Board 27 Oct/16) **Project Book Page 33**
- 27 Replacement for stolen skid-steer and trailer (partially paid by insurance). Plus \$50K for other miscellaneous major equipment as required.
- 28 Includes drafting of land purchase agreements for transfer stations
- 29 Increased by an additional \$29K from \$20K to \$49K to account for the transport, installation, and utilities (electrical, sewer, water, IT) of the old NPRL scalehouse to replace the existing scalehouse at DCTS (\$25K) and supply and installation of a "stop-go" traffic lights (\$4K).
- 30 Borrowing \$5M for 10 year term. Replacing \$2.5M that was used from reserve for work done in 2016 - Adding \$1M to Reserve.
- 31
- 32 Depot Program includes: commercial recycling, unmanned drop-offs = \$1,183,587; Municipal Curbside FSJ = \$775,933; and Municipal Curbside Pouce Coupe = \$20,619.
- 33 Maintain Budget amount. Completed one year of the program and expect the same results this year.
- 34
- 35 Operational Costs to maintain transfer bins (include property taxes)
- 36 No contract increase. Keeping higher than last year actual in case of above average snow removal.
- 37
- 38 Landfill Gas Contractor cost, reduced to zero since work is now included in -738.
- 39 Already have maximum per bylaw in reserve.
- 40 For O&M and repairs (GHD budgetary cost estimate provided on December 4, 2017): \$42,275 (repairs) + \$50,125 (O&M).
- 41 Phase 1 & 2 Landfill Closure, Phase 3 Landfill Expansion/Stormwater System: Cost in 2017 for design (Phase 1 landfill closure, Phase 2 landfill closure, and Phase 3 landfill expansion/stormwater system), preparation of construction documents, and RFP tendering. Cost in 2018 for landfill closure (Phase 1 and 2), landfill expansion (Phase 3), and stormwater system (Phase 3), contract administration, and CQA oversight/reporting.
- 42 Phase B Landfill Closure: Cost in 2018 for delineation of Phase B Annex closure area, design, preparation of construction documents, and RFP tendering. **Project Book Page 15**
- 43 Complete the time-lapse video of the construction of the NPRL Front Entrance Improvements/Upgrades for advertising & education purposes
- 44 GCCS Expansion: Cost in 2017 and 2018 for construction of gas collection and control system (GCCS) expansion, engineering design, construction document preparation, RFP tendering, contract administration, and construction quality assurance oversight/reporting. Cost in 2017 includes update of the landfill gas design plan. Per Board recommendation work toward finding a market for the gas and research to get a grant for these upgrades due to this being provincially mandated. **Project Book Page 17 & Page 19**

(Used same, 2% inflation, or actual)

⁴⁵ Cost for installation of infrastructure for off-site utilization of landfill gas. Cost for 2018 for design, construction document preparation, and RFP tendering. Cost in 2019 for infrastructure construction, contract administration, and construction quality assurance oversight and reporting.

Project Book Page 21 & Page 23

Solid Waste - Summary

5,976,671 61%

3,892,670 39%

9,869,341

Expenditures

7,366,000	5,236,000	50,000	50,000
-----------	-----------	--------	--------



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.