



REPORT

To: Solid Waste Committee

Report Number: ENV-SWC-027

From: Paulo Eichelberger, General Manager of Environmental Services

Date: January 7, 2021

Subject: **Fall Clean-Up 2020 and Program Year End Review**

RECOMMENDATION:

That the Solid Waste Committee received the report titled "Fall Clean-Up 2020 Review – ENV-SWC-027," which outlines the tonnage and customer use during the Clean-Up Campaign, for information.

BACKGROUND/RATIONALE:

Over the last two years, the Peace River Regional District (PRRD) Spring/Fall Clean-Up Campaigns have evolved. Bulky bins were placed at unmanned and Tier 2 Transfers, tipping fees were waived for sorted waste at the PRRD Landfills and Transfer Stations and the hours of operations were expanded. The expansion of the Clean-Up Campaigns was an effort to prevent illegal dumping and make waste disposal more accessible to residents.

The purpose of this report is to provide a summary on the Spring/Fall Clean-Up Campaigns in 2020 and compare the 2020 Clean-Up Campaigns to 2019. Within this report the following comparisons will be analyzed:

- Compare customer and tonnage statistics for Fall 2020 to Fall 2019; and
- Compare customer and tonnage statistics for 2019 to 2020.

The report will conclude by summarizing the successes and opportunities of the pilot program to date.

Fall 2020 to Fall 2019 Comparison

Customer Use:

There was a 71% overall increase in customers at the manned Transfer Stations (TS) and the Landfills (LF) during the Fall 2020 campaign, compared to the Fall 2019 campaign, as shown in chart 1a of Appendix 1. A quick overview of the chart is provided below:

- Landfills saw a total increase of 59% in customers, with the highest being Chetwynd LF (92%);
- Tier 1 TS saw a total increase of 44% in customers, with the highest being Kelly Lake TS (78%); and Wonowon TS saw a decrease of customers (-32%); and
- Tier 2 TS saw a total increase of 206% in customers, with the highest being Goodlow TS (925%).

Tonnage:

There was an overall decrease of 15% of tonnage brought into the manned TS and the Landfills during the Fall 2020 campaign, compared to the Fall 2019 campaign, as shown in chart 2a of Appendix 1. A quick overview of the chart is provided below:

- Landfills and Tier 1 TS each saw a 12% overall reduction in waste brought into the sites;
- Tier 2 TS saw a 25% overall reduction of tonnage brought in; and
- Unmanned sites saw an overall decrease of 36% in tonnage.

An interesting observation between the Fall 2020 to Fall 2019 campaigns is that while overall customer use increased, overall tonnage decreased. This could indicate that more people are visiting the sites and bringing in small amounts of waste.

2020 to 2019 Clean-Up Comparison

Customer Use:

There was a 54% overall increase in customers at the manned TS and the Landfills during the 2020 campaign, compared to the 2019 campaign, as shown in chart 1b of Appendix 2. A quick overview of the chart is provided below:

- Landfills saw a total increase of 54% in customers, with the highest being Chetwynd LF (90%);
- Tier 1 TS saw a total increase of 36% in customers, with the highest being Rose Prairie TS (105%); and
- Tier 2 TS saw a total increase of 187% in customers, with the highest being Goodlow TS (650%), followed by Upper Halfway TS (317%).

Tonnage:

There was a 113% overall increase in tonnage brought into the manned TS and the Landfills during the 2020 campaign, compared to the 2019 campaign, as shown in chart 2b of Appendix 2. A quick overview of the chart is provided below:

- Landfills saw a total increase of 207% of waste brought in;
- Tier 1 TS saw a total increase of 41% of waste brought in;
- Tier 2 TS saw a total increase of 13% of waste brought in; and
- Unmanned sites saw a total increase of 8% of waste brought in.

Successes:

1. One of the operational challenges experienced during the 2019 Spring/Fall Clean-Ups was that the Tier 2 Bulky Bins were located outside the Transfer Station site. The result was overfilled bins and disposal of material not accepted at PRRD Landfills. To address this challenge in the 2020 campaign, bins were placed within the Tier 2 sites with tipping fees still waived. Performing this action reduced the amount of unaccepted material deposited in the bins but resulted in bin tonnages increasing compared to the 2019 campaign.
2. For the Spring 2020 Clean-Up campaign, Rural Transfer Stations operating hours were extended to be open 7 days a week (46hours/week¹). This continued for the Fall 2020 Clean-Up campaign. The extended hours during the Clean-Up weeks proved to be very successful, which was evident in an increase of customers to Tier 1 Transfer Stations (36%) and Tier 2 Transfer Stations (187%). The additional days and hours were utilized at all transfer stations except Pink Mountain and Prespatou. Due to this success, it is recommended that this change be made a standard operating practice for future Spring/Fall Clean-Up Campaigns.

¹ They are regularly open for 4 days or 26 hours a week, except Moberly Lake which is open 5 days or 26 hours a week.

Opportunities:

1. Leading up to the Clean-Up weeks staff received four inquiries regarding bringing in acceptable waste via use of a 3rd party. This waste was eligible for the program as the residents were not hauling the waste themselves. No such requests were received for the Fall 2020 Clean-Up campaign.
2. The composition of waste changed between the 2020 and 2019 Clean-Up Campaigns. During the 2020 campaigns more bulky and renovation waste was brought in (demolition of private residents, car hulks etc.). This trend of waste composition will continue to be monitored by staff in case program changes are required.

Overall, the pilot program of waiving tipping fees during the Spring/Fall Clean-Up campaigns was successful. Through the implementation of waived tipping fees during the Spring/Fall campaigns to date, instances of illegal dumping has reduced as customers have used the opportunity to dispose of materials at PRRD SW facilities for free. This provides increased opportunities to educate customers on proper segregation and diversion of waste material as well as location of their nearest available solid waste site. Additionally, based on customer comments, the campaign has been well received.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee provide further direction.

STRATEGIC PLAN RELEVANCE:

- ☒ Responsive Service Delivery

FINANCIAL CONSIDERATION(S):

A summary of the actual Fall 2020 costs is shown below:

Operational Cost Items	Fall 2020	Fall 2019
Haulage for Unmanned Bins	\$40,187.00	\$36,466.00
Haulage for Bulky Bins at RTS	\$38,956.21	\$21,301.70
Additional Equipment Costas at Landfills	\$0.00	\$5,804.17
Additional Staff Costs at Manned Transfer Stations	\$38,891.14	\$14,806.95
Additional Staff at Landfills	\$7,995.62	\$8,384.62
Subtotal	\$126,029.97	\$86,763.44
Additions to the Fall 2020 Clean-Up		
Advertising Costs	\$1,160.00	N/A
Subtotal	\$1,160.00	\$0.00
TOTAL	\$127,189.97	\$86,763.44

As shown above, there was an increase in operating costs of \$40,426 to the Fall Campaign pilot in 2020.

The summary of 2020 costs compared to 2019 are shown below:

Operational Cost Items	2020	2019
Haulage for Unmanned Bins	\$95,110.50	\$87,274.10
Haulage for Bulky Bins at RTS	\$75,624.50	\$50,675.22

Additional Equipment Costas at Landfills	\$11,638.00	\$18,413.17
Additional Staff Costs at Manned Transfer Stations	\$74,596.04	\$14,806.95
Additional Staff at Landfills	\$16,380.24	\$8,384.62
Subtotal	\$273,349.28	\$179,554.06
Additions to the 2020 Clean-Up		
Advertising Costs	\$2,320.00	N/A
Subtotal	\$2,320.00	\$0.00
TOTAL	\$275,669.28	\$179,554.06

2020 Clean-Up costs have increased \$96,115 compared to 2019. The increase in costs can be attributed to the high levels of services that were provided in the 2020 Clean-Up, such as extending the hours at the Tier 1 and 2 Transfer Stations and Bessborough Landfill.

COMMUNICATIONS CONSIDERATION(S):

The Fall Clean-Up 2020 was advertised via posters at PRRD Solid Waste Facilities, social media and website posts, and radio ads.

OTHER CONSIDERATION(S):

Levels of service of the 2021 Clean-Up campaign could be reduced by an estimated \$74,500 by not expanding hours at the Tier 1 and 2 Transfer Stations.

Attachments:

1. Appendix 1 – Clean-Up Data Charts Customer Counts
2. Appendix 2 – Clean-Up Data Charts Tonnage Data
3. Appendix 3 – Comparing Clean-Up Weeks to Adjacent Months