



REPORT

To: Solid Waste Committee

Report Number: ENV-SWC-032

From: Paulo Eichelberger, General Manager of Environmental Services

Date: January 15, 2021

Subject: Agricultural Plastics Pilot Program Costs

RECOMMENDATION:

That the Solid Waste Committee recommend that the Regional Board partner with Cleanfarms to develop and deliver an agricultural plastics pilot program for bale wrap, grain bags, and twine at an estimated cost of \$43,416 between 2021 and 2023.

BACKGROUND/RATIONALE:

Cleanfarms and the PRRD have been working together to develop an agricultural plastics program in the Region. The Program would be split 50/50 between Cleanfarms and the PRRD. Cleanfarms would be managing the logistics of the program (collection, transportation, sourcing end markets, etc), while the PRRD would be administering the program at the sites. Cleanfarms and the PRRD would be working closely together to evaluate and monitor the program for efficiencies.

The agricultural plastics program would be operational at the following six PRRD Solid Waste Facilities:

- Bessborough Landfill
- Chetwynd Landfill
- North Peace Regional Landfill
- Rolla Transfer Station
- Cecil Lake Transfer Station
- Prespatou Transfer Station

The aim is to collect twine and bale wrap in collection bags that farmers can obtain from the participating sites. Once a bag is filled on the farm, the bags can then be brought back to the site for collection and consolidation. Grain bags would be collected via a "Grain Bag Roller" that would be purchased as part of the program. Detailed collection and transportation methods is outlined in *Attachment 1: Cleanfarms - Programming and Budget Proposal Agricultural Plastics Recycling*.

ALTERNATIVE OPTIONS:

1. That the Solid Waste Committee recommend that the Regional Board partner with Cleanfarms to develop and deliver an agricultural plastics pilot program for silage film, bale wrap, grain bags, and twine at an estimated cost of \$192,169.00 between 2021 and 2023.
2. That the Solid Waste Committee provide further direction.

STRATEGIC PLAN RELEVANCE:

☒ Responsive Service Delivery

FINANCIAL CONSIDERATION(S):

Cleanfarms has been able to refine costs to conduct an agricultural plastics pilot program based on the Waste Characterization Study that they completed in October to December 2020.

Cleanfarms developed two program costs, Budget A for the collection of twine, bale wrap, and grain bags and Budget B for the collection of silage, twine, bale wrap, and grain bags.

Budget A:

Program Items	2021	2022	2023	
Communication	\$7,500	\$2,000	\$2,000	
Collection	\$31,742	\$20,802	\$22,362	
Administration	\$7,935	\$5,200	\$5,591	Total
<i>Estimated Expense Total</i>	<i>\$47,177</i>	<i>\$28,002</i>	<i>\$29,953</i>	<i>\$105,132</i>
<i>Estimated PRRD Costs</i>	<i>\$23,589</i>	<i>\$14,001</i>	<i>\$14,976</i>	<i>\$52,656</i>
<i>Total Estimated Revenue</i>	<i>\$5,520</i>	<i>\$6,100</i>	<i>\$6,680</i>	<i>\$18,300</i>
<i>PRRD Revenue (50%)</i>	<i>\$2,760</i>	<i>\$3,050</i>	<i>\$3,340</i>	<i>\$9,150</i>
Grand Total	\$41,647	\$21,902	\$23,273	\$86,832
PRRD Total Costs (50%)	\$20,829	\$10,951	\$11,636	\$43,416

Budget B:

Program Items	2021	2022	2023	
Communication	\$7,500	\$2,000	\$2,000	
Collection	\$95,210	\$100,137	\$117,564	
Administration	\$23,802	\$25,034	\$29,391	Total
<i>Estimated Expense Total</i>	<i>\$126,512</i>	<i>\$127,171</i>	<i>\$148,955</i>	<i>\$402,638</i>
<i>Estimated PRRD Costs</i>	<i>\$63,256</i>	<i>\$63,586</i>	<i>\$74,478</i>	<i>\$201,319</i>
<i>Total Estimated Revenue</i>	<i>\$5,520</i>	<i>\$6,100</i>	<i>\$6,680</i>	<i>\$18,300</i>
<i>PRRD Revenue (50%)</i>	<i>\$2,760</i>	<i>\$3,050</i>	<i>\$3,340</i>	<i>\$9,150</i>
Grand Total	\$120,992	\$121,071	\$142,275	\$384,338
PRRD Total Costs (50%)	\$60,496	\$60,536	\$71,138	\$192,169

COMMUNICATIONS CONSIDERATION(S):

A communications plan will be developed as part of developing the collection program to provide outreach to the public.

OTHER CONSIDERATION(S):

Cleanfarms has received a grant from Agriculture and Agri-Food Canada under the Canadian Agriculture Strategic Priorities Program (CASPP) to conduct three-year pilot programs across the country for the collection and recycling of agricultural plastics that are not currently being collected through existing stewardship programs. The aim of these pilot programs is to gather data and establish collection methods to help developed into a future Stewardship Program.

Attachments:

1. Cleanfarms - Programming and Budget Proposal Agricultural Plastics Recycling