



## REGIONAL DISTRICT OF CENTRAL KOOTENAY

### Resource Recovery Plan Advisory Committee MINUTES

A meeting of the Resource Recovery Plan Advisory Committee was held on Tuesday, March 3, 2020 at 10:00 am in the RDCK Board Room, 202 Lakeside Drive, Nelson, BC.

#### COMMITTEE MEMBERS:

Director Watson	Chair, RDCK Board ( <i>attending via phone</i> )
Director Jackman	Chair, East Resource Recovery Committee; Chair, RRPAC
Director Popoff	Chair, West Resource Recovery Committee
Director Newell	Chair, Central Resource Recovery Committee
Colin Farynowski	Town of Creston
Kevin Cormack	City of Nelson
Bruce Edson	Community Member
Brant Gray	Gray's Contracting

#### MEMBERS ABSENT:

Steve HARRY	Alpine Group
Todd Veri	MyCrobz Bacteria Solutions
Patrick Gauvreau	City of Castlegar

#### STAFF:

Uli Wolf	General Manager of Environmental Services
Amy Wilson	Resource Recovery Manager
Travis Barrington	Resource Recovery Technician
Todd Johnston	Environmental Coordinator, Environmental Services

#### CONSULTANT(S):

Carey McIver	Carey McIver and Associates Ltd.
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#### 1. Welcome and Introductions

Committee Chair Jackman called the meeting to order at 10:00 am.

#### 2. Minutes of the previous meeting

- Review of Minutes of the previous meeting.

#### 3. Plan Monitoring & Measurement

- The following items concerning a Waste Composition Study (WCS) were discussed:
  - Process, costs, frequency, funding sources, demographic considerations and the need for statistical validity.
  - The function and value of a WCS in identifying the success of diversion initiatives and areas that still require attention.

- High cost of a WCS compared to monitoring waste streams through current tracking systems.
- Potential sites to conduct WCS – Ootischenia landfill is likely as it receives the most waste and serves two Sub-regions.
- Discussion of monitoring ICI and satellite recycling depots for performance and efficiency once established. The RRP would allow for adjustments to site locations.
- The purpose of the proposed Resource Recovery Plan Monitoring Committee was discussed. The Committee will gauge the effectiveness the RRP at key stages and recommend adjustments and improvements as necessary.

#### **4. Dispute Resolution**

- RRP requires dispute resolution procedure, a recommended procedure is provided by the Ministry of Environment. Discussion of clarification over procedures definition of “parties”. Several members requested that it be made clear who can seek resolution through this procedure and what role RDCK bodies such as the Joint Resource Recovery Committee will hold. A legislative review of the procedure was suggested.

#### **5. Resource Recovery Administration, Bylaws & Policies**

- It was noted by Carey McIver that the RDCK is atypical in that it has a higher number of facilities, staff and management committees than most other regional district. Streamlining RDCK services and committee structures was identified as a potential action in the 2011 RRP. Some improved efficiencies have been implemented to the existing structures over the past 10 years e.g., fewer sub-region resource recovery committee meetings, using the Joint Resource Recovery Committee as a “committee as a whole”.
- Implementation of phased material bans rather than variable tipping was suggested as a strategy for maximizing diversion. Bans should only be implemented when alternatives are in place and in conjunction with transparent engagement with ICI and hauling stakeholders.

#### **6. Recommended Residual Options**

- Landfill gas capture was discussed as a method of reducing GHG emissions for previously-landfilled organic materials. Benefits of gas collection versus organics composting were discussed in terms of costs and total GHG reductions. Scale and lack of lining at RDCK landfills makes gas capture difficult to predict and utilize for commercial sales and GHG credit trading.
- Thermal technologies including incineration, refuse derived fuel, gasification and pyrolysis were discussed as methods of managing waste in the RDCK. None are recommended at this time due to the relatively small scale of waste that is generated in the district. It was suggested that a private-public partnership with Mercer in Castlegar be explored.
- Recommended options for residual management are closure of the Nakusp landfill and conversion to a transfer station, optimizing the footprint of the Ootischenia landfill and the continued operation of the Creston landfill with a liner exemption.
- Further options for residual management were presented for consideration: updating the hauling model in the West Subregion, conducting waste composition studies, assessment of full cost recovery through user fees, a review of fleet support and facilities and an analysis of contracted hauling versus in-house.

**7. Financing the RDCK Resource Recovery System**

- Draft 10 year financial plans forecasting revenues and expenses, including existing and proposed operating and capital costs, were presented for each subregion. Costs were separated by operating and capital as well as those for zero waste initiatives (recycling, household hazardous waste, organics) and residual waste (landfills, transfer stations).
- Demonstration of cost recovery for residuals through tipping fees for each subregion was presented. The East and Central subregions' residual waste management tipping fee revenue are not reaching full cost recovery, whereas the West subregion looks to be generating funds. Taxation fills any shortfalls between revenues and operating costs. The assessment was generalized for all residual operations including those materials with lower rates to incentivize diversion (such as wood waste). A detailed analysis is proposed in 2021 to look at cost recovery for each material. The RDCK could identify a goal for the amount of cost recovery through user fees with consideration of mixed waste and other residuals vs. diversion materials.
- It was suggested that alternative descriptions of budgets and revenues such as a per capita or assessment value be prepared for each subregion before presented during public consultation.

**8. Adjournment**

Meeting adjourned at 2:20 pm.

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Director G. Jackman

Chair, March 3, 2020 Resource Recovery Plan Advisory Committee meeting