



MORRISON HERSHFIELD

Draft Regional Solid Waste Management Plan for the Peace River Regional District



PEACE RIVER
REGIONAL DISTRICT

November 26, 2020

Outline



PEACE RIVER
REGIONAL DISTRICT

- Meeting purpose
- Revised strategies
- Financing and administration
- Next steps - public consultation
 - Feedback on engagement techniques



Meeting Purpose

- Review Draft Plan revisions based on feedback from October 1 and October 16 meetings
- Approve content for Draft SWMP for consultation
- Obtain feedback on engagement technique(s) for public consultation



Revisions to Plan Considerations

- The Draft Plan highlights unique challenges:
 - The global pandemic can impact the implementation time frame
 - Lack of access to markets and economy of scale
 - The Region is rural/northern/remote



Revised Plan Structure

A total of 16 proposed strategies:

- Waste diversion
 - Reduce, reuse and recycle (6 strategies)
 - Organics diversion (2 strategies)
- Energy recovery (2 strategies)
- Residual Waste Management (4 strategies)
- Sustainable solid waste funding (2 strategies)



Proposed Waste Diversion Strategies

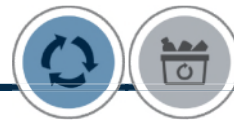


#	Strategy	Priority	
		Short Term (1-5 yrs)	Long Term (6-10+ yrs)
1	Lobby for improved EPR programs in the PRRD	✓	
2	Promote and educate on the pollution prevention hierarchy	✓	✓
3	Research agricultural plastics recycling options	✓	
4	Increase waste diversion in the ICI sector through promoting the waste hierarchy	✓	✓
5	Improve collection of hazardous waste and targeted EPR materials	✓	✓
6	Increase diversion of construction and demolition waste through promoting the waste hierarchy	✓	✓

- Only minor changes requested for strategies 1 to 5
- Strategy 6 reworded



Proposed Waste Diversion Strategies



6: Increase diversion of construction and demolition waste through promoting the waste hierarchy

This can include but is not limited to:

- a) Encourage reduction and reuse of C&D materials.
- b) Investigate feasibility of recycling additional C&D materials, such as drywall and carpets, and implement pilot when deemed feasible.
- c) Increase differential tipping fees and incentives to encourage source separate and diversion of C&D Waste.
- d) Provide education on the importance of source separation and diversion of C&D waste.

Implement programs at PRRD facilities, where feasible.



Proposed Organics Diversion Strategies



#	Strategy	Priority	
		Short Term (1-5 yrs)	Long Term (6-10+ yrs)
7	Establish organics processing capacity in the Region	✓	
8	Support curbside collection of compostable organics in member municipalities	✓	✓

- No specific changes requested



Proposed Energy Recovery Strategies



#	Strategy	Priority	
		Short Term (1-5 yrs)	Long Term (6-10+ yrs)
9	Assess suitability of technologies for energy recovery for organics in the Region	✓	
10	Assess suitability of technologies for energy recovery for residual waste	✓	

- Changes requested for strategy 10



Proposed Energy Recovery Strategies



10: Assess suitability of technologies for energy recovery for residual waste

This can include but is not limited to:

- Assess feasibility of establishing a Regional Energy Recovery Facility (RERF) for residual waste with potential to accept waste from neighbouring regions/province. If feasible, solicit interest from potential vendors and establish a process for evaluating and selecting a suitable technology or process.
- Undertake an assessment and comparison of waste management and disposal options in accordance with Ministry requirements.
- Consider out-of-region resource recovery facilities as potential future solutions for managing a portion of the Region's waste stream.

Implement energy recovery initiatives where feasible and consider best practices.



Proposed Residual Waste Strategies



#	Strategy	Priority	
		Short Term (1-5 yrs)	Long Term (6-10+ yrs)
11	Improve accessibility and efficiency of the solid waste network	✓	✓
12	Monitor the PRRD's three active landfills to continually assess long-term disposal options	✓	✓
13	Develop an illegal dumping strategy	✓	✓
14	Develop an emergency debris management plan		✓

- Strategy 11,12 and 13 reworded



Proposed Residual Waste Strategies



11: Improve accessibility and efficiency of the solid waste network

This can include but is not limited to:

- Regularly review and assess the efficiency of the waste management network and implement changes to improve service levels or when cost savings are identified.
- Undertake a pilot to improve convenience for solid waste disposal services, such as piloting 24 hr access for free disposal of bagged household garbage at a transfer station and implement at more sites if deemed feasible.
- Assess the feasibility a curbside collection throughout the Region that is funded by its users.

Implement initiatives where feasible and consider best practices.



Proposed Residual Waste Strategies



12: Monitor the PRRD's three active landfills to continually assess long-term disposal options

This can include but is not limited to:

- a) Chetwynd Landfill, complete a review of the options available for long term disposal, as the Chetwynd Landfill is nearing capacity.
- b) In parallel with operating North Peace Regional and Bessborough Landfills, continue to monitor and plan for changes if deemed necessary.
- c) If any changes to any of the active landfills are deemed necessary, proceed with most suitable option(s) which could include final closure, establishment of a transfer station, continuing operation as a landfill for demolition and land clearing waste, expansion of the landfill, and/or relocation of the landfill to an alternative site.

Implement design/procurement for disposal options as necessary and consider best practices.



Proposed Residual Waste Strategies



13: Develop an illegal dumping strategy

This can include but is not limited to:

- a) Continue to monitor the scope and scale of illegal dumping in the Region.
- b) Develop an illegal dumping strategy aimed to improved tracking, identification or problem areas, and/or assessing accessibility to solid waste facilities to reduce the number of illegal dumping incidents.
- c) Establish an inter-agency working group, as deemed suitable, to implement the illegal dumping strategy.
- d) Lobby the Province to help clarify roles and responsibilities for addressing illegal dumping.
- e) Promote public outreach to prevent illegal dumping and how to report occurrences.
- f) Continue to support the public with programs to help dispose of waste properly.

Implement strategy, where feasible and consider best practices.



Proposed Solid Waste Funding Strategies



#	Strategy	Priority	
		Short Term (1-5 yrs)	Long Term (6-10+ yrs)
15	Set limits on recycling cost and implement other management methods as necessary	✓	
16	Continually assess financial model used to fund the solid waste system	✓	✓

- Strategy 15 and 16 reworded



Proposed Solid Waste Funding Strategies



15: Set limit on recycling cost and implement other management methods as necessary

This can include but is not limited to:

- a) Establish cost threshold when alternative lower cost options (e.g. landfilling) are pursued until recycling is no longer cost prohibitive.
- b) Lobby for the Province to subsidize the cost of recycling when upper limit is exceeded.
- c) Educate on the cost of recycling in the Region and on ways costs can be reduced.

Implement cost threshold if deemed feasible.



Proposed Solid Waste Funding Strategies



16: Continually assess financial model used to fund the solid waste system

This can include but is not limited to:

- a) Assess cost recovery model to implement tipping fees and taxation that fully funds the solid waste management system.
- b) Investigate and pilot the waiving of tipping fees for sorted residential waste at transfer stations and landfills. Implement system-wide if deemed feasible and fund disposal via taxation.
- c) Continually review waste disposal fees to harmonize fees across the Region.
- d) Incentivize waste diversion by increasing disposal fees on unsorted wastes.

Implement cost recovery options where feasible and consider best practices.



Plan Financing and Administration



- Estimated annual expenditures range from \$10,000 to approximately \$280,000 for the 10 year period
- One extra FTE needed
- Tipping fees and taxation will be primary mechanisms for funding Plan implementation





- Monitoring and governance will be supported by:
 - A Solid Waste Committee (SWC), made up of appointed members of the PRRD's Board of Directors
 - Plan Monitoring Advisory Committee (PMAC) as required by the Ministry
- PMAC will oversee Plan implementation
- PRRD staff will report to the SWC and to the PRRD Board for approval and recommendation for action



Next Steps – Public Consultation

- The general public was engaged with a solid waste management survey Sept/Oct 2019
- Once approved by COW, the Draft RSWMP will be issued for public consultation
- A series of open houses were planned to consult and seek public feedback on the draft RSWMP



Next Steps – Public Consultation

- Are residents willing or permitted under Public Health Order to attend open houses to comment on the Draft Plan?
- Alternatives to open houses include:
 - Virtual Open Houses (Webinar) with Q&A
 - Online Survey
 - Mail Survey
 - Targeted phone survey



Next Steps

- Public consultation can be undertaken using a combination of engagement techniques, for example:
 - Initially undertake a survey (January – March 2021)
 - Organize virtual open houses in /town halls (March – April 2021)
 - Undertake in-person open houses based on COVID-19 restrictions?
- PRRD staff will bring forward options and costs to COW in December



Questions? Comments?

Thanks for your time and input!



MORRISON HERSHFIELD

People • Culture • Capabilities

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