



CVRD

Solid Waste Management Plan Amendment No. 4 Project Update

**Tasks Completed
Strategies
Next Steps**

Presented by T. Waraich, Manager, Recycling & Waste Management to the Regional Services Committee on June 27, 2018

Background

- SWMP - blueprint for managing waste in the region
- The CVRD solid waste plan was last updated in 2006
- Fourth amendment process kicked-off in January
- **No major changes anticipated**, but, need to make sure plan continues to reflect region's goals and objectives
- Focus on [5 R pollution prevention hierarchy](#)

The *Environmental Management Act* requires that all regional districts prepare and submit a solid waste management plan to the provincial government.

Committees

Oversight Committee

Director Sierra Action (Area B)

Director Ian Morrison (Area F)

Director Bob Day (Town of Lake Cowichan)

Director Aaron Stone (Town of Ladysmith)

Plan Advisory Committee (PAC)

Sandy McPherson (Public)

Kim Barnard (Public)

Dennis Martel (Public)

Dan Lazaro (Industry / Business)

Monroe Grobe (Institutions)

Andrea Davis (Industry / Business)

Nathan Harben (Non-Profit)

Melissa Kriegerfox (Institutions)

Clay Reitsma (North Cowichan)

Len Thew (City of Duncan)

Nagi Rizk (Town of Lake Cowichan)

Geoff Goodall (Ladysmith)

Melissa Tokarek / Larry George (Cowichan Tribes / First Nations)

Luc Lachance (Ministry of Environment and Climate Change Strategy)

Tauseef Waraich (CVRD)

Harmony Huffman (CVRD)

Timeline



Tasks Completed To-Date

- Project website and PlaceSpeak page launched
- More than 900 unique page views and approximately 100 connects on PlaceSpeak and website
- Technical report # 1 prepared by Tetra Tech (current system status, challenges, gaps)
- PAC has held three meetings and two workshops
- Guiding Principles identified
- Technical reports #2 (options, long-list) and #3 (strategies) prepared by Tetra Tech
- Open house #1 held April 25, 2018; 19 attendees
- Public survey issued; 118 surveys completed



First Nation's Consultation

- Ongoing
- 11 First Nation's formally notified
- 61 contact activities (letters, emails, phone calls)
- Three meetings with staff
- Two referrals
- Cowichan Tribes is member of PAC
- More outreach planned June/July
- Follow up presentations to Band Councils

Guiding Principles

- 1) Promote zero waste approaches and support a circular economy.
- 2) Promote the first 3 Rs (Reduce, Reuse and Recycle) and consider Recovery before Residuals Management.
- 3) Maximize beneficial use of discarded materials and manage residuals appropriately.
- 4) Support structural and systemic changes (e.g., polluter and user-pay approaches) and corresponding behavior change programs to optimize system changes and promote principles one and two.
- 5) Prevent organics and recyclables from going into the garbage wherever practical.
- 6) Collaborate with other regional districts wherever practical.

Guiding Principles Cont'd.

- 7) Develop collaborative partnerships with interested parties to achieve regional targets set in plans.
- 8) Support practical and effective delivery of waste management services from public and private service providers, and level the playing field within the region for public and private solid waste management facilities.

Gaps & Opportunities

What's in the Garbage?

37.6% organics (24.4% compostable, 13.2% non-compostable)

17.2% Plastics

11.1% Paper

4.8% Textiles

Where does it come from?

9% Single Family Homes (Municipalities)

14% Single Family Homes (Electoral Areas)

6% Multi-Family Homes (e.g. apartments, condos)

12% Depots

42% Industrial, Commercial, Institutional (ICI)

18% Construction and Demolition (C&D) materials

Areas for Improvement

Reduce & Reuse

- Reduce waste food
- Enhance and improve reuse opportunities

Recycling

- More than half of the region's garbage comes from ICI and Multi-Family generators
- Access to recycling programs is not equal for all residents, programs vary significantly within the region, contributing to higher disposal rates
- There are challenges with composting facilities including odour generation
- Processing capacity for commingled ICI and C&D materials is very limited

Areas for Improvement Cont'd.

Residuals

- Approx. 30,000 tonnes of waste per year
- Export to USA has risks (political, financial, environmental)

Proposed Strategies

1) Reduce & Reuse Opportunities

- Reduce Wasted Food
- Explore Reduction & Reuse Opportunities
- Support Bans on Single-Use Plastic Bags and/or Other Single-Use Items
- Advocate for Expansion of EPR Programs

2) Reduce Disposal from Multi-Family and ICI

- Mandate Source Separation for Multi-Family and ICI Sector
- Collection Services Review for Multi-Family and ICI Sector
- Organics and Material Disposal Bans

Proposed Strategies Cont'd.

3) Reduce Disposal from Residential Sector

- Provide Equal Access to Publicly Funded Recycling Programs
- Expand Universal Curbside Collection Services to be Consistent Across the Region

4) Improve Organics Processing

- Best Management Practices for Odour Management
- Ensure Priority for Locally-Generated Organics Processing
- Standardize Design Criteria to Protect Environment and Public

Proposed Strategies Cont'd.

5) Processing and Transfer Capacity for Recyclables

- Feasibility Assessment for a Material Recycling Facility (MRF)
- Feasibility Assessment for Transfer Capacity for ICI Recyclables

6) Improve Management of Construction and Demolition (C&D) Materials

- Analyze C & D Disposal and Recycling Activities in the Region
- Develop a C & D Waste Management Strategy
- Reduce Barriers to Disposing Hazardous Materials (e.g. asbestos, gypsum wallboard)

7) Residuals Management

- Feasibility Study of Alternative Disposal Options

Proposed Strategies Cont'd.

8) Augment Illegal Dumping Prevention Strategies

9) Collection / Drop-Off for HHW, Bulky Items and Organic Debris

- Host Round-Up Events for HHW
- Collection for Bulky Items
- Effective Ways to Reduce Open Burning of Wood Waste (e.g. yard waste collection, wood chipper)

10) Monitor Historic Disposal Sites

Proposed Strategies Cont'd.

11) Operational Improvement

- Create an Asset Management Plan (corporate-led, in-progress)
- Develop Bings Creek Transfer Station 10-Year Plan

12) Develop Disaster Debris Management Plan

13) Education and Behavior Change Considerations

- Integrate Community-Based Social Marketing in Education and Outreach

Next Steps

- Meet with industry stakeholders to present and discuss potential options, identify potential solutions
- Complete detailed financial and resourcing analysis for proposed strategies with PAC
- PAC will identify targets (e.g. per capita disposal rate) for SWMP
- Review and update, if needed, public consultation plan with PAC and Oversight Committee
- Prepare draft Solid Waste Management Plan
- Make draft Plan available for public comment

Questions?