

SOLID WASTE MANAGEMENT PLAN SHORT-TERM IMPLEMENTATION FRAMEWORK

September 2021

Staff have developed a short-term work plan and framework and have prioritized the plan's 72 actions through the lenses of those actions that will be most effective in reaching the plan targets, that align with community (including municipal) priority areas, and are areas that fall within the Capital Regional District's (CRD) jurisdiction and operational control.

Priority Areas

The immediate priority areas include:

- **Targeted Material Stream Diversion:** Wood waste, organics, paper and plastic account for over 65% of the total materials currently sent to the landfill and represent an immediate opportunity for diversion and recovery of material and energy from the solid waste stream. Staff have begun developing new programming and tools to reduce waste and recover energy from these material streams. Actions under evaluation include modifying the tipping-fee structure to incent diversion, expanding landfill material bans for streams where viable alternatives exist, facilitating the diversion of material and energy recovery of diverted material and expanding regulatory enforcement, where required. Staff will be consulting with municipalities and the private sector on proposed operational changes over the fall and expect to bring a proposed material stream diversion program, including associated tipping fee and bylaw changes to the committee for consideration in early 2022.
- **Multi-Family/Industrial, Commercial and Institutional (ICI) Strategy:** ICI refers to waste generated through industrial, commercial and institutional sectors. Multi-family refers to waste generated by residential housing that is not considered single-family. Collectively, these two sectors generate approximately 53% of the solid waste stream. Much of the CRD's historical efforts and successes in diverting 43% of materials from the waste stream over the previous decades have been realized through an early focus on the single-family sector with the residential blue box collection program. Opportunity exists to enhance diversion activities and programming to the ICI and multi-family sectors. This focus area was also identified as a priority by municipalities during the plan's consultation phase. Staff are working to develop an ICI/multi-family sector specific strategy, and have included a budget request through the CRD's annual budgeting process for a new Initiatives Coordinator position, which would begin in early 2022.
- **Municipal Collaboration:** Municipalities are primary partners in implementing the Solid Waste Management Plan and provide various curbside collection or drop-off services to residents and other sectors; education and outreach associated with local solid waste services; litter collection, streetscape sanitation and waste collection services for public spaces; along with many other critical roles. Through programming, regulation and bylaws, municipalities have the ability to access waste streams and incent diversion in areas that are outside of the scope or authority of the CRD. Staff are working to enhance the collaboration with municipalities on plan implementation. Immediate first steps include inventorying current municipal initiatives and reenergizing and expanding the existing staff inter-municipal solid waste working group through the development of a terms of reference and populating the working group.

- **Community Grant Program:** Through the Solid Waste Management Plan consultation, the CRD heard many waste reduction ideas with potential from the community. A community-based waste reduction grant program will provide resources and support for individuals and groups that want to turn their ideas into action. Funds have been allocated to the program within the Environmental Resource Management budget, and staff are currently developing program guidelines and looking to launch the program in 2022.
- **Technology Research:** Staff continue efforts researching, investigating and reporting out on emerging waste management technologies, including alternatives to landfilling, such as integrated resource management and gasification. On July 14, 2021, the CRD Board directed staff to facilitate, where possible, the business case process the Township of Esquimalt has undertaken to explore feasibility of gasification of solid waste and kitchen scraps management, and CRD staff continue to work with and support staff at Esquimalt. Additionally, the CRD is investigating the feasibility of testing municipal solid waste in conjunction with the CRD's biosolids gasification testing and will bring results of these investigations to the Environmental Services Committee.

SOLID WASTE MANAGEMENT PLAN SHORT-TERM IMPLEMENTATION TIMELINE

2021

FOCUS AREA	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
Material Stream Diversion																		
Multi-Family/Industrial, Commercial and Institutional Strategy																		
Municipal Collaboration																		
Community Grant Program																		
Technology Research																		
investigate																		
implement																		