

CONSTRUCTION, RENOVATION & DEMOLITION (CRD) WORKING GROUP 2017 WORKPLAN

WORKING GROUP OBJECTIVES

The **Construction, Renovation & Demolition (CRD) Working Group** aims to advance waste prevention and reduction in the construction and built environment sector in Canada through three core objectives:

1. Reduce the amount of CRD waste being generated by removing the roadblocks for the use of recycled and reused materials in the construction process; promoting life cycle costing; improving CRD diversion rates to the highest value use (see 'context' for Design Portfolio Schematic)
2. Aligning the objectives of municipalities' sustainability, engineering and procurement departments in their construction and maintenance programs
3. Determine how the procurement process can be leveraged to reduce the amount of CRD waste being generated in Canada at equal or lower construction costs.

Projects/Activities and Timeline:

1. Recruitment of working group members – *May-August 2017* (see 'context')
2. CRD Waste Research Report - *May-August 2017*.
Report will include through desktop and through stakeholder engagement:
 - o Characterization of CRD waste in Canada including definition and hierarchy of Waste Management (see Food Waste Example)
 - o Summary of existing reports and studies on CRD Waste (including Globe, City of Edmonton, City of Vancouver)
 - o Executive Summary of Environment
 - o Summary of Current Best Practices in Municipalities
3. Alignment of Municipalities' Functions
 - o Alignment of Engineering, Sustainability, Waste Management and Procurement objectives
 - o Identification of challenges and opportunities associated with how the procurement process can be utilized to advance CRD waste reduction efforts
 - o Recommendations for priority materials and/or behaviour that could be modified in the procurement process
4. Material Sub committees formed for Asphalt, Concrete & Wood - *August – October 2017*
5. Develop preliminary recommendations for a pilot project (including metrics to be utilized) – *August – October 2017*
6. Identification and Development of a Pilot Project – *Oct – Dec 2017* (description to include specifics on geographic location, partner, methodology, resources required)

Budget:

A total of \$9,500 was allocated to the **Construction and Demolition Waste** for project expenses in 2017 (which includes a \$5000 contribution for the UBC Sustainability Scholar). The breakdown will be as follows:

\$5K – UBC Sustainability scholar to conduct initial research

\$4.5K – additional research required for developing auditable metrics

2017 Deliverables:

- New members recruited to National Zero Waste Council and CRD working group
- Preliminary research (described in chart below) completed
- Material Sub committees formed for Asphalt, Concrete & Wood
- First draft of values, metrics and processes that could be utilized in the procurement process to advance the objectives
- Pilot project location, partner and scope identified

Long Term Deliverables

- Pilot Project Completed
- Best Practice document on leveraging the procurement process to reduce C & D waste generation
- Scale out to other Canadian municipalities