



2. Trial of a 2-bin collection system

Project description

The Two Bin Recycling project will conduct an investigation into the development of a “waste recycling” collection system where household “waste” is placed in one of two bins based on the use of an organic stream and non organic (inert/dry) stream. The object is to establish if the new mix of materials in a two bin recycling system is easy to use by householders and assess the impact that the quality/nature of the materials in each stream has on existing recycling processes.

This project seeks to address the problem of “which bin to put it in” and optimize household and non residential collection systems so that they are ready for future improvements in recycling recovery and processes. The object of this project is to develop and trial a collection system that is optimized to suit future organic and inert waste recycling for all manner of premises, without the introduction of a new “class of waste” stream and the expenses associated with the supply of bins, trucks, staff and environmental emissions associated with collection vehicles.

With a goal of “Zero Waste to Landfill”, all waste must be viewed as potentially recyclable. In order to allow new inert materials to be recovered from the “dry” recycling stream as markets develop, it makes sense that all such dry materials should be placed in the one bin which should result in the “wet” recycling bin being free of inorganic materials. It is the presence of the inorganic material and the need to remove it from the organic fraction before, during and after the composting process which requires the construction of capital intensive composting.