

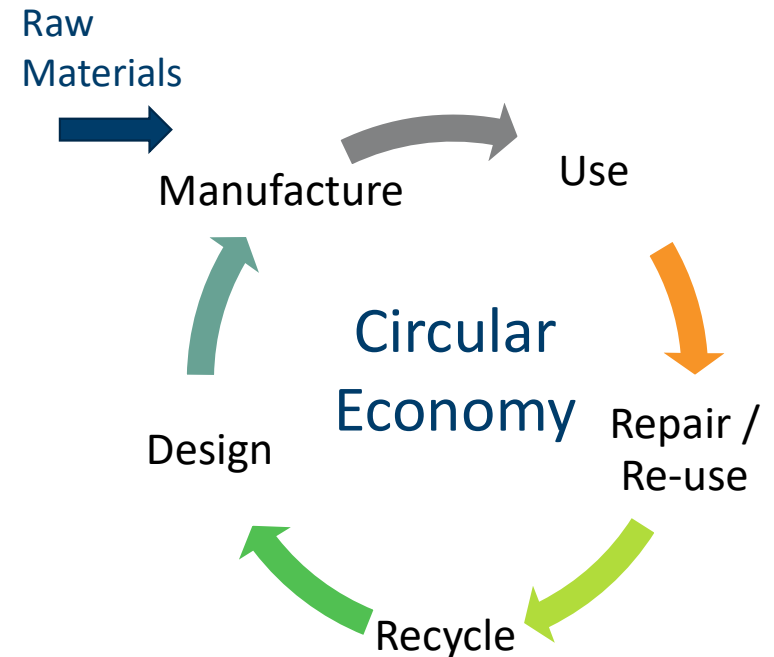
Waste 2 Resource Calculator

A circular economy tool for transport infrastructure projects
(previously known as the Waste and Recycling Calculator)

What is the Calculator?

The Waste 2 Resource Calculator has been developed to assist projects with:

- Calculating estimates of the amount of waste a road construction project will generate.
- Recording and reporting final volumes of waste quantities generated for any infrastructure project and how they were managed (i.e. recycled, reused or disposed of to landfill).
- Recording and reporting final volumes of recycled materials used on a project (i.e. instead of raw materials).



The calculator is a macro-enabled Microsoft Excel spreadsheet that allows users to estimate waste generation and record and report actual waste data quantities and recycled materials used.



The Estimate Calculator

- To generate a waste estimate calculation, the User opens the *INPUT* tab within the **Waste 2 Resource Calculator**. All related inputs are entered on this single tab.
- **Step 1:** Enter basic information as prompted on the *INPUT* Tab. (Select Estimate, and whether it is for an ISC/ISCA rating)
- **Step 2:** Review the calculated estimate found on the *ESTIMATE-Output* tab. Consider the project-specific bills of quantity and scope of works and consider if the estimate should be adjusted. Consider waste management measures to avoid, reduce and reuse waste.
- **Step 3:** Once the waste estimate has been reviewed, incorporate the waste estimate and costs into the design report and submit the Waste 2 Resource Calculator file to: projectwasteregister@tmr.qld.gov.au



Project Waste Reporting / Actual Recording

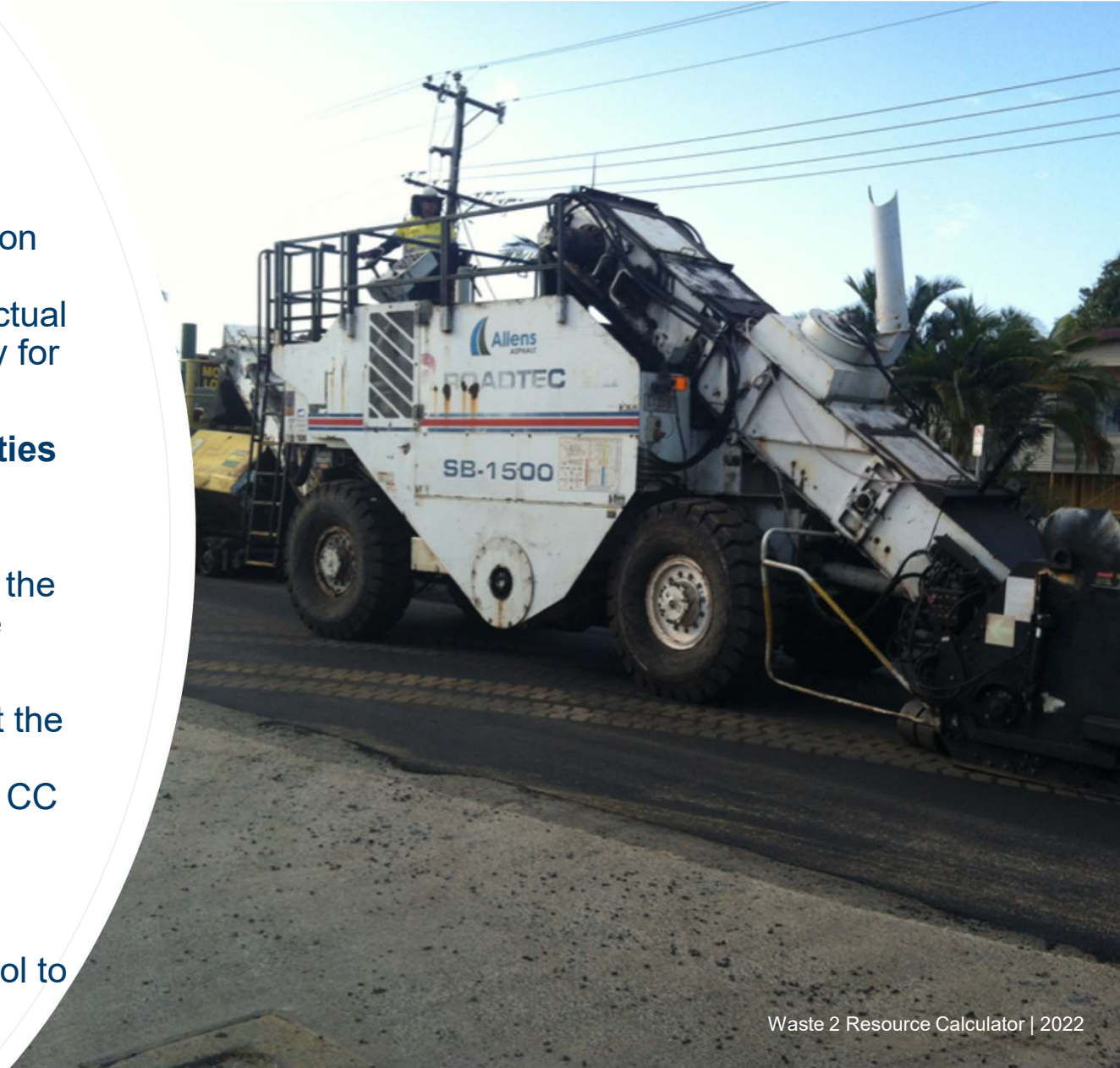
- Contracts applying technical specification MRTS 51- Environmental Management are required to provide a report of actual quantities of waste generated, reused, recycled and land-filled for the contract.
- Contractors must submit a completed **Waste 2 Resource Calculator** at Practical Completion via email to the projectwasteregister@tmr.qld.gov.au address.
- This data is required from the contractor so that TMR can collate state-wide and report under the requirements of the *Waste Reduction and Recycling Act 2011*

Project Waste Reporting / Actual Recording

To record Actual data:

- **Step 1:** Select “Actual” in the first entry field on the *INPUT* tab. Enter all other required basic information in the *INPUT* tab. (note: select actual even if the data is estimated, estimate is only for use before works begin).
- **Step 2:** Complete the **Actual Waste Quantities** table on the *INPUT* tab.
- **Step 3.** Complete the **Recycled Materials Quantities** table on the *INPUT* tab to record the amounts of recycled materials utilised on the project.
- **Step 4:** Prior to Practical Completion, submit the **Waste 2 Resource Calculator** to: projectwasteregister@tmr.qld.gov.au with CC to the Contract Administrator or TMR Project Manager.

NOTE: Projects applying Infrastructure Sustainability Council Ratings can utilise the tool to track monthly waste volumes for up to 2 years.



For further information, Please contact:

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Email projectwasteregister@tmr.qld.gov.au or
environment@tmr.qld.gov.au

Thank you and stay connected



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<https://www.tmr.qld.gov.au/business-industry/Technical-standards-publications/Project-waste-reporting>

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