

Summary

The Green Star Commuting Mass Transport Calculator assesses the extent to which a building can be accessed using commuting mass transport, based on population density, mass transport type, average interval between services during peak periods, and proximity of transport stops to the planned development.

Developers: Green Building Council of Australia (GBCA)

Applicable sectors							Themes		
All Infrastructure	Buildings	Roads	Water	Energy	Transport	Construction	Materials	Ecology	Wastewater
							Potable Water	Carbon/GHG	Other

Countries	Australia	Access	Free to download
Compatibility with other tools	This calculator is part of the excel-based Green Star rating tool and is used in conjunction with the <i>Green Star Technical Manual</i> for the relevant building typology.	Guidance for users	The calculator is accompanied by the <i>Commuting Mass Transport Calculator Guide</i> which guides in the use of the calculator, contains information on background data, and where necessary provides methodologies for users to calculate input values.
Inputs & outputs	<p>The user is prompted by the calculator to input the building postcode. Then they can choose to indicate which train stations are in proximity to the building and by how much distance. Alternatively they can manually insert data on station proximity and Average Interval between Services during Peak Periods. The user has to also specify the above information for tram, ferry and bus services.</p> <p>Using this information, the calculator outputs the overall Transport Calculator Score and Green Star points achieved.</p>		
Database library	<p>A series of data are embedded in the calculator including: Population density data for each postcode in Australia, a pre-assessment based on the number of railway lines servicing train stations in different cities, as well as the 'Average Interval Between Services During Peak Periods'.</p> <p>For users selecting manual entry of bus, tram, ferry or train services, the <i>Commuting Mass Transport Calculator Guide</i> includes a detailed methodology for calculating the required input data.</p>	Data intensity & flexibility	There is low data flexibility and data intensity when the user chooses to calculate the score based on the postcode of the building in question. These are both increased as the user chooses manual data entry on trains, buses, trams and ferries.

Note: "Free to download" does not necessarily imply that it is free for commercial use.