

Summary

The Green Star Potable Water Calculator calculates the potable water consumption of a building taking into account appliances and greywater, rainwater or blackwater recycling.

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 not accompanied by any additional guidelines.
Inputs & outputs	<p>The user is prompted to enter building occupancy information and then the Litres/flush or Litres/minute for different installations including WCs, urinal flush controls, indoor taps, showerheads, and the number of each being installed.</p> <p>The user also provides information on the presence and use of rainwater, greywater or blackwater recycling, and utilises a simple rainwater calculator and greywater calculator.</p> <p>The tool outputs the estimated total potable water consumption in litres/day/person, and also presents the number of Green Star points achieved for the project.</p>	Methodology	<p>The calculator indicates the estimated total daily potable water consumption per person and the number of Green Star points achieved for the building in question.</p> <p>This is calculated through consideration of the water efficiency of each fitting type (WCs, urinal flush controls, indoor taps, showerheads) and the number of each installed, as well as the water consumption reduction through rainwater, greywater and blackwater recycling.</p>
Database library	The background data and calculations embedded in the calculator are not visible to the user nor can be changed.	Data intensity & flexibility	<p>The data flexibility is high in that the user is free to enter their own values and installation descriptions.</p> <p>The data intensity is relatively low in that the information required is readily available from manufacturer supplied data.</p>

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