

Green Star – Design & As Built Submission Template

Ensure all prompts shown in **Blue text** have been responded to.

Design Review / As Built Submission [Delete as appropriate]

Credit: Wat-1 Potable Water

Project Name: [name]

Project Number: GS- [####]

Points available: 6

Points claimed: [1 to 6]

Reduction in Potable Water Use – Deemed to Satisfy Criteria

The project includes a number of water efficient features including: [Please select the applicable water efficient features of the building]

Item	Water saving feature	Points available	Points claimed
2.1 Sanitary Fixture Efficiency	All fixtures are within one star of the best available WELS rating	1	☐
2.2 Rainwater Reuse	A rainwater tank is installed to collect and reuse rainwater within the project's site boundary and the rainwater tank size meets the criteria established in Table Wat-1.1.	1	☐
2.3 Heat Rejection	No water is used for heat rejection	2	☐
2.4 Landscape Irrigation	Drip irrigation with moisture sensor override is installed; OR No water is used for irrigation	1	☐
2.5 Fire System Test Water	The fire protection system does not expel water for testing; OR The fire system includes storage for 80% of the fire water and the sprinkler systems for reuse on-site	1	☐

[Please delete sections which are not relevant to the building]

2.1 Sanitary Fixture Efficiency

The project is specifying the following fittings which will help it achieve reductions in potable water demand. These fittings are all rated within one star of the best available WELS rating.

Item	Schedule Code	WELS Rating	Flowrate (L/min or L/flush)	Quantity of fixtures	Highest Available WELS Rating
[Toilet A]					5
[Toilet B]					5
[Urinal A]					6
[Urinal B]					6
[Shower A]					3
[Shower B]					3
[Tap A]					6
[Tap B]					6
Dishwasher [A]					5
Washing machine [A]					5

[Please insert hyperlink to documents that support these claims]

2.2 Rainwater Reuse

The project is installing a rainwater reuse system to collect and reuse rainwater.

[Describe rainwater system. Provide details on the system, tank size, treatment installed, overflow/top-up, and calculations to justify sizing in accordance with Table Wat-1.1 from the Technical Manual]

[Please insert hyperlink to documents that support these claims]

2.3 Heat Rejection

The project is either naturally ventilated or is installing HVAC systems for heat rejection that do not use water.

Naturally ventilated and mechanically assisted naturally ventilated spaces

The project is meeting the requirements of credit IEQ – Indoor Air Quality for naturally ventilated spaces, therefore is able to demonstrate that [95%] of the Usable Floor Area (UFA) is naturally ventilated in accordance with AS1668.2-2002.

[Insert hyperlinks to documents which support these claims]

No water-based heat rejection system

The project has demonstrated throughout the submission that the air conditioning needs of the project will be effectively met by means other than water-based heat rejection, and that there are no water-based heat rejection systems installed.

[Briefly describe the heat rejection system installed for the project]

[Insert hyperlinks to documents which support these claims]

2.4 Landscape Irrigation

The project has either installed subsoil drip irrigation with moisture sensors or has installed landscaping that does not require irrigation.

Subsoil drip irrigation with moisture sensors

The project has designed the landscaping and associated systems to reduce the consumption of potable water required for irrigation through the installation of subsoil drip irrigation and moisture sensor controls.

[Briefly describe the landscape irrigation system installed for the project]

[Insert hyperlinks to documents which support these claims]

Xeriscaping

All landscaping provided for the project has been designed to not require irrigation. Confirmation has been provided indicating that the provision of irrigation systems for the xeriscape garden will be removed within three months of landscaping installation and that the landscape will not receive watering after this time.

[Insert hyperlinks to documents which support these claims]

2.5 Fire System Test Water

The project has either provided sufficient temporary storage for a minimum of 80% of the routine fire protection test water and maintenance drain-downs for reuse on-site or the fire system does not expel water for testing.

Minimisation of potable water for fire system testing

There is sufficient temporary storage for a minimum of [80%] of the routine fire protection system test water and maintenance drain-downs for reuse on-site. In addition, each floor is fitted with a sprinkler system with isolation valves or shut-off points for floor-by-floor testing.

Table 1 includes:

- Hydrants;
- Firehose reel;
- Storage and sprinkler-test tanks;
- Sprinkler-test and drain-down points

Table 1 Details of fire protection testing and estimated water consumption

Test type	Frequency	Water use per test (kL)	Annual water used (kL)	Water collected for reuse (kL)
Total Maximum Fire System Test Water				
Percentage of water reused / recycled (%)				

[Describe how the fire system water is reused within the building]

[If the tank used to store fire system water is used for other uses, such as rainwater storage, please explain how double counting of water has been avoided]

[Please insert hyperlink to documents that support these claims]

Fire system does not expel water for testing

The fire protection system within the project does not expel water for testing.

[Describe the fire protection system and alternative testing methods]

[Please insert hyperlink to documents that support these claims]

Therefore as demonstrated in this short report, this project is eligible to achieve [1 to 6] point for the reduction of potable water consumption by the building's occupants.

Discussion

[Insert any issues you would like to highlight and clarify to the Assessment Panel.]

Author Details:

[Insert name, position and contact details of author]

[Date]

—— Report end ——