

FACTSHEET 1:

Aura's integrated water treatment processes

Aura has been purposefully designed with respect to its unique natural setting – the glimpses of the picturesque Glasshouse Mountains, the nearby bustling beaches of Caloundra and the beautiful Pumicestone Passage. Over the life of the Project, Aura will minimise demand on the Sunshine Coast region's water supply, as well as protect the water quality and ecological values of the Pumicestone Passage.

Being water smart is more than just conserving water; it is about maximising water efficiency as well. At Aura, we intend to set the new best practice in the management and use of water. Throughout Aura, you will see we are committed to implementing world-leading Water Sensitive Urban Design (WSUD) initiatives and have adopted an integrated approach, detailed to the right.

Water Sensitive Urban Design (WSUD) integrates the water cycle, including stormwater, groundwater, wastewater and water supply, into urban design to minimise environmental degradation as well as be visually appealing.

Rainwater Harvesting Tanks must be installed in all homes in Aura, to ensure over 50% of all roof water is captured and used. These tanks will supply water for external use (watering gardens) as well as connect to toilet cisterns and washing machine cold taps.

Rain Gardens (Bio-pods) will be incorporated in streetscapes and landscaping throughout Aura. These large garden beds act as 'filters' to collect stormwater pollution. Using specially selected plants and different layers of soil, these beds soak up and filter stormwater and litter to maintain the water quality of Bells Creeks, North and South and Lamerough Creek. By keeping your yards clean and picking up litter in your streets, you will help keep your local rain gardens and waterways healthy.

Over time, a network of lakes will grow across Aura to help with the protection of the site's water quality. Densely vegetated shallow wetlands will also be established within or beside these lakes, and they will polish and filter stormwater flows and recirculated lake waters.

Stockland plans to establish and integrate over 70 hectares of temporary wetlands in the open, green space areas across Aura. These will be vegetated but will not always contain water. Their primary role will be to help control, capture and clean stormwater run-off.

The rehabilitation of the dedicated Environmental Protection Zone (EPZ) and transitional corridors will significantly improve the health of the local waterways, acting as an additional filter. Residents will be more than welcome as participants in a range of rehabilitation conservation activities as Aura develops over time.

