

# Water Sensitive City



The City of Marion has an overarching objective of becoming a Water Sensitive City and to minimize flooding. We will seek to harness the potential of storm water to overcome water shortages, reduce urban temperatures and improve waterway health and the landscape of our City. Water Sensitive Urban Design is the main process that will lead to a Water Sensitive City.

## Planning

- An Irrigation Management Plan will be maintained and regularly reviewed in accordance with the 'Code of Practice – Irrigated Public Open Space', for all current and new irrigated sites.
- The principles of Water Sensitive Urban Design will be considered in all new landscape developments within the City.

## Provision of Irrigated Landscapes

- The provision of irrigated turf areas and landscape treatments will be guided by functional benefit and will be kept to the minimum required to meet the functional requirement, complimented by alternative dry-landscape treatments. Where the provision of irrigated turf areas cannot be supported on the basis of functional benefit (aesthetic benefit only), alternative landscape treatments will be considered in the first instance.
- Consideration of the development of irrigated turf for aesthetic benefit only will be subject to the use of water supplies other than SA Water potable mains water.
- Each new irrigation proposal will require the preparation of a water balance assessment to be made taking into account water consumption, operating costs and the proposed functional benefit of the proposal.
- Developers will be required to ensure that irrigated turf and landscape areas are developed in accordance with this policy and must ensure that water sensitive urban design principals are considered and implemented
- Prominent trees and landscape treatments will be irrigated using drip irrigation systems where possible or manually irrigated using water trucks to meet the plant water requirement for healthy growth.

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## Irrigation Infrastructure

- Irrigation systems will be designed, installed and maintained to industry best practice standards based on the Irrigation Australia, 'Urban Irrigation – Best Management Practice Guidelines.'
- Irrigation scheduling will be based on sound irrigation management principles using best practice technology, agronomic and climatic data to determine water requirement and programming.

## Turf and Irrigation Management

- Turf and irrigation management practices will implement industry best practice using technology to ensure water is used efficiently to achieve the desired 'fit for purpose' turf outcome.

## Turf and Irrigation Monitoring and Performance Reporting

- Turf quality and irrigation efficiency will be monitored regularly according to the 'Code of Practice – Irrigated Public Open Space' and reported on annually.

## Water Supply

- Council will develop alternative water sources to SA Water mains as the preferred water source for irrigating Council reserves (including bore water, recycled stormwater, reclaimed effluent etc.).