

POLICY NO: 2.1.8

**PARKS AND RESERVES – WATER CONSERVATION
DESIGN GUIDELINES**

OBJECTIVE

To provide guidelines for the:

- development of new turf areas or the redevelopment of existing turf areas to ensure the overall design of parks and reserves and their associated irrigation systems incorporates water efficiency principles; and
- “Ecozoning Parks and Reserves Implementation Plan 2011-2025”, adopted at the Ordinary Meeting of Council held on 8 February 2011.

POLICY STATEMENT

Definitions

“Hydrozoning” refers to the application of irrigation based on their category and/or application of water to different parts of a Park/Reserve.

“Ecozoning” refers to areas within a park that is currently turf that could be better managed as a native garden area.

“Coefficient of Uniformity” refers to an irrigation system being designed to apply water to a Park/Reserve in a uniform and efficient manner.

1. When constructing a new park or reviewing an existing park, consideration will be given to reducing the area of turf to be irrigated (Ecozoning) and selection of a low water use variety of turf and/or plant species where practical (hydrozoning).
2. The design of the irrigation system should accommodate the principle of “hydrozoning”, where different areas of turf use are watered separately (i.e. playing fields and surrounds).
3. The design of the irrigation system should minimise watering of paved areas.
4. The irrigation system will be designed to provide a Coefficient of Uniformity greater than 85% in light wind conditions.
5. The irrigation system should have a manageable number of watering stations/sections per bore to allow a practical length of watering time.

6. The irrigation system should have similar numbers of sprinklers per station to provide consistent performance.
7. The irrigation system will have one main sprinkler type and nozzle size for consistent performance and ease of maintenance.
8. Bores will be fitted with flow meters to monitor groundwater consumption.
9. Soil moisture probes will be installed to allow soil moisture monitoring to assist irrigation scheduling.
10. The performance of all newly installed irrigation systems will be audited upon completion or at handover to the City.
11. When designing areas that are to be “eco-zoned”, consideration will be given to provide attractive passive recreation areas through the use of paths, seats, drinking fountains etc.

Date Adopted:	22 February 2011
Date Amended:	-
Date Reviewed:	-
Date of Next Review:	February 2016