

PW-1: Improved Water Efficiency

Intent

To promote further reductions in the project's water consumption.

Credit Requirements

GENERAL

Demonstrate that the average landscape irrigation requirement for all public realm areas achieves the following:

- All public open spaces* in aggregate do not require more than 4 l/m²/day; and
- All urban public open spaces** in aggregate do not require more than 2 l/m²/day.
- * Public open spaces are programmed space, sports and recreation spaces and play facilities with <70% hardscape cover.

Demonstrate that a water efficient irrigation system has been incorporated into all public realm landscaping, as follows:

- Eliminate all surface spray components (except in sports fields);
- Irrigate only during non-daylight hours (except if sub-surface);
- Provide irrigation zones, with independently controlled valves, segregated by plant water needs (hydrozones); and
- Utilise mulch and/or soil amendment techniques to reduce evapotranspiration.

ADDITIONAL REQUIREMENT/CLARIFICATIONS

Public Open Spaces

Sports playing fields are excluded from the average landscape irrigation requirement calculation.

Streetscapes

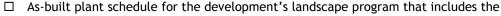
This credit is not available.

Credit Submission: Design Rating

Completed Public Realm Water Calculator;
Map identifying site location and corresponding yearly average ETo value;
Site plan illustrating landscape areas, highlighting areas of hardscape and softscape;
Irrigation design plan(s), identifying each hydrozone and associated planting;
Plant schedule for the development's landscape program that includes the following key data:
 Plant names (common and scientific);
 Plant irrigation classification(s); and
 Annual water demand;
Narrative describing the water efficient irrigation strategy, including:
 The projects irrigation approach, technology to be used, timing and anticipated irrigation efficiency.
The application of mulch and/or moisture retention approach for soil amendments including type, location, extent of application, and frequency of reapplication (if needed) to maintain effectiveness.
Updated Public Realm Water Calculator;

Credit Submission: Construction Rating

	As-built site plan illustrating landscape areas, highlighting areas of hardscape and softscape;
	As-built irrigation design plan(s), identifying each hydrozone and associated planting;
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^{**} Urban public open spaces are public open spaces with >70% hardscape cover.