



CRITERIA FOR SILVER LEVEL



Cover all skills, competencies and management processes as per bronze level and utilise more sophisticated management and planning. To qualify, operators must complete all compulsory criteria in addition to five (5) out of seven (7) options below, as well as all criteria for the bronze level.

Compulsory

Training of at least one person such as the Irrigation Technician, Superintendent, or Assistant Superintendent, to be obtained to the following level of Australian Qualification Framework competence

- AHCIRG408A Schedule irrigations
- AHCIRG409A Implement, monitor and adjust irrigation schedules
- AHCPCM302A Provide information on plants and their culture

Management of water consumption against budgets

- Annual water budget broken down to monthly targets.
- Record metered water use and monitor against the budget.
- Annual reporting of water use and estimated savings from efficiency/conservation initiatives.
- Create a monthly base irrigation schedule for plant water requirements where the frequency of irrigation is informed by water infiltration rates and historical evapotranspiration data or soil moisture monitoring data.

Optional (select 5 out of 7, tick the box against each option selected).

Improve irrigation system hardware to deliver water efficiently

- 1. Irrigation under automatic control with remote control valves.
- 2. Audit of water distribution system to identify poorly performing irrigation hardware including pump tests and pressure tests. Assess performance of the irrigation system against the original system design, or against current best practice.
- 3. Maintain a sprinkler distribution uniformity (DU) of greater than 75% for at least two existing tees, greens and fairways for each 9 holes on the Golf course, and on any new design layout.
- 4. Annual analysis of groundwater quality to inform fertiliser management.

Improved turf management to reduce water demand

- 5. Grouping of plants and soil types with similar requirements (hydrozones).
- 6. Cultivation techniques such as aeration, soil wetting agents, soil amendment, vertical mowing, and spiking to reduce compaction and allow penetration. Estimate the water holding capacity of the soil from sample cores.

Future Planning

- 7. Plan for supplementing the existing water resource with alternative sources such as storm water reuse.