

601.04 Water Efficient Irrigation

For all new buildings, one hundred percent (100%) of the total exterior landscaping must be irrigated using non-potable water or drip or subsoil water delivery systems. The landscaping includes green roofs.

All irrigation systems must incorporate, at any point that they connect to a portable water supply, backflow prevention devices which must be checked every twelve (12) months. Testing must be in line with the manufacturer's recommended practice for field testing or any other testing regime approved by Dubai Municipality.

602 Chapter 2: Commissioning and Management

602.01 Water Metering

For all new buildings, meters must be fitted to measure and record water demand and consumption of the facility as a whole and to provide accurate records of consumption (tariff class meters):

- A.**For all buildings with a cooling load of at least 1 megawatt (MW) or gross floor area of 5,000 sq m or greater , additional water metering must be installed to record consumption data for major water use of the building and major water uses in and around the building.
- B.**The building operator shall be responsible for recording water consumption for each individual meter. Records must be kept for five (5) years.
- C.**Each individual tenancy in the building must have a sub-meter installed when a building tariff meter is not present.
- D.**Where a Building Management System (BMS) or Central Control and Monitoring System (CCMS) is installed, metering must be integrated into the system to allow real time profiling and management of water demand and consumption.
- E.**All meters must be capable of remote data access and must have data logging capability and complying with DEWA specifications. All meters should be approved by DEWA.
- F.**Virtual meters using run-hours are not acceptable as sub-meters.
- G.**The sub-meters should be used for demand management and cost allocation purposes.

