

## GREEN CODE REQUIREMENTS

### Irrigation Controls

Where installed as part of a landscape irrigation system, irrigation control systems shall:

- Automatically adjust the irrigation schedule to respond to plant water needs determined by weather or soil moisture conditions.
  - Sensors required:
    - Sensor to suspend irrigation during a rain event
    - Soil moisture sensor to suspend irrigation when adequate soil moisture is present
- Capability to program multiple and different run times for each zone to enable cycling of water applications and durations to prevent water running off the intended zone.
- Site specific settings of the irrigation control system shall be posted at the control system location. The posted data, where applicable to the settings of the controller shall include:
  - Precipitation rate for each zone
  - Plan evapotranspiration coefficients for each zone
  - Soil absorption rate for each zone.
  - Rain sensor settings.
  - Soil moisture setting.
  - Peak demand schedule including run times and the number of cycles to prevent run off and monthly adjustments or percentage.

### Irrigation System Performance Requirements

The irrigation system shall be designed and installed to:

- Prevent irrigation water runoff out of the zone
- Prevent water in the supply-line drainage from draining out between irrigation events.
- Not allow water to be applied onto or enter non targeted areas (includes adjacent property, adjacent zones, non-vegetative areas, impermeable surfaces, roadways, structures, etc.)
- Prevent backflow through approved backflow protection devices

Narrow or Irregular Shaped Landscaped Areas (local amendment)

- Narrow or Irregular shaped landscaped areas less than **12ft** in any direction across any opposing boundaries shall not be irrigated by any irrigation emission device except low flow emitters.

Sloped Areas

- If rise is greater than 1ft per 4ft of length, the average precipitation rate for the zone shall not exceed .75 inches per hr. This shall be verified by manufacture documentation or catch can test.

Sprinkler Head Installations

- All heads shall be low precipitation rate heads
- Pressure regulation required if necessary to maintain manufacturer's recommended operating pressure
- If pop-up type heads are used, they shall rise at least 4 inches above soil level when in use

Irrigation Zone Performance

- Each zone shall be designed and installed to ensure an average precipitation rate of not more than **1 inch per hour**