City of Malibu

PARKS AND FACILITIES
WATER CONSERVATION PLAN

Purpose

The purpose of the City Parks and Facilities Water Conservation Plan (Plan) is to implement sustainable practices in maintaining City parks and facilities while employing water saving opportunities as they become available and to achieve water allocation goals set by the City's water provider.

The Plan reflects the City's commitment to water conservation by establishing water use guidelines based on drought conditions and community priorities.

Management

The City maintains approximately 130 acres of parks, medians and managed facilities throughout Malibu. The Plan outlines water reduction stages based on the severity of the drought condition or mandated water reduction for each site and facility. The Plan also establishes water conservation priorities, identifies types of water use and specifies a set of actions for reducing or eliminating the use of water at different City parks and facilities.

To effectively manage water use, the Plan requires metered water be quantified by volume for the facilities and categories listed in Table 1. Water used for City operations shall also analyzed cumulatively and separately for each meter (facility) based on the two month billing cycle, with comparisons made to prior years.

Metering of water at City facilities is not always separate for each identified water use. When one meter services several uses, amounts of individual water use will be estimated.

Water use demands are unique for each park and facility and therefore shall be assessed separately to determine the most effective water delivery system for the situation.

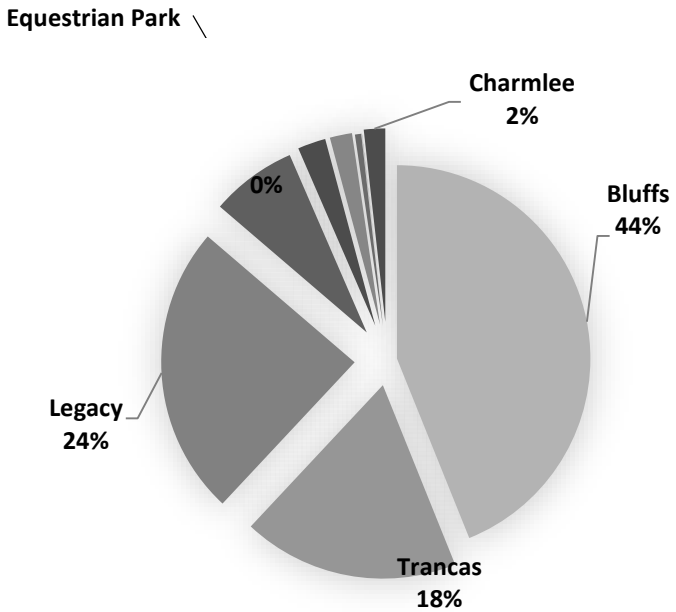
The Park Supervisor shall select the appropriate irrigation system (drip or sprinkler) most suitable for the local conditions in order to maintain landscaping, trees and turf. To determine the best approach, consideration shall be given to the natural conditions such as soil type, slope, climate, water quality and availability in selecting the appropriate irrigation system.

Malibu Bluffs Parkland and Charmlee Wilderness Parks are not included in the Plan, but will included as the situation dictates.

Table 1

METER LOCATIONS AND USE

Facility	Category
Las Flores Creek Park	▪ Building (restroom facility) ▪ Landscape and Trees ▪ Maintenance
Legacy Park	▪ Landscape and Trees ▪ Maintenance
Malibu Bluffs Park	▪ Buildings (community center and concession stand) ▪ Landscape and Trees ▪ Essential and Non-Essential Turf ▪ Maintenance
Malibu Equestrian Center	▪ Building (restroom facility) ▪ Landscape and Trees ▪ Maintenance
Trancas Canyon Park	▪ Building (restroom facility) ▪ Landscape and Trees ▪ Essential and Non-Essential Turf ▪ Maintenance
City Hall	▪ Building (City Hall) ▪ Landscape and Trees ▪ Maintenance



'age Water Use by Facility

Implementation

A range of water conservation measures shall be implemented to achieve water allocation goals. Water allocation goals are adjusted based on the two month billing cycle for each meter. Table 2 shows an action plan for each drought condition and water conservation level. Water restrictions outlined in the Implementation Program do not apply to the use of recycled water.

Table 2

Drought Condition	Water Conservation	Action Plan
Stage 1	No Drought Conservation Measures Required	▪ Inspect irrigation monthly and water delivery systems daily.
Stage 2	Less than 10% Reduction in Water Use	▪ Inspect irrigation monthly and water delivery systems daily. ▪ Reduce water programming of all outside irrigation by a minimum of the conservation (1%-10%).
Stage 3	10% - 20% Reduction in Water Use	▪ Inspect irrigation monthly and water delivery systems daily. ▪ Reduce water programming of all outside irrigation by a minimum of the conservation (10%-20%). ▪ Water used to clean equipment, structures and hardscape areas will be minimized.
Stage 4	20% - 40% Reduction in Water Use	▪ Inspect irrigation monthly and water delivery systems daily. ▪ Reduce water programming of all outside irrigation by a minimum of the conservation (20%-40%). ▪ No watering of established native plants. ▪ No watering of non-essential turf. ▪ Watering for essential turf is limited to maintain safe playable conditions. ▪ Water may only be used to clean equipment, structures and hardscape areas for health and safety reasons. ▪ Post facility closure notices as deemed appropriate.
Stage 5	40% or greater Reduction in Water Use	▪ Inspect irrigation monthly and water delivery systems daily. ▪ Reduce water programming of all outside irrigation by a minimum of the conservation (40%). ▪ No watering of native plants. ▪ No watering of turf unless required to maintain safe conditions. ▪ Water may only be used to clean equipment, structures and hardscape areas for health and safety reasons. ▪ Close parks and facilities and post facility closure notices as deemed appropriate.

Priorities

To maintain the highest level of service, priorities (health and safety, park operations, turf maintenance and visual aesthetics) are established to achieve water allocation goals while minimizing the impact on park use.

1. Health and Safety – Maintain janitorial services for buildings to avoid health issues. Provide clean playgrounds and picnic areas to deter pest infestations. Continue proper care and watering of trees to prevent unsafe conditions.

2. Park Operations – Employ alternative water saving measures to mitigate the need to close or limit access to recreational facilities, parks and/or park amenities (i.e. sports fields, equestrian arenas and restrooms) while drought conditions exist.

3. Turf Maintenance – Essential turf for sports fields will be maintained at a safe playable level until water restrictions dictate otherwise.

4. Visual Aesthetics – Water reduction/elimination for landscaping may result in a diminished ornamental appearance of native plants and loss of non-native plants.

Future Water Conservation

The City shall actively seek opportunities to refine existing irrigation and water conservation practices in order to provide the most efficient water delivery systems and water management techniques available.

Future municipal construction projects may not be specifically anticipated or covered by this Plan. Therefore, future projects should include landscaping that adheres to the use of native plants and drought-tolerant landscapes as part of all new City projects. Park development projects requiring natural turf sports fields may require special consideration.