

Greater Los Angeles County Integrated Regional Water Management Plan

Summary of Scenarios

Scenario 1

Onsite BMP Emphasis/Limited Multipurpose Facilities

This scenario includes an emphasis on installation of onsite best management practices to reduce pollutants in dry and wet weather runoff from residential areas, and package treatment facilities for non-residential areas. It also reflects a continuation of the current approach to water supply, water quality and open space, habitat and recreational projects. This approach is characterized by individual project submittal by generally single purpose agencies and entities in the region.

Water Supply provided by

- Water conservation
- Expanded local water production
- Other projects (desalination and groundwater recovery)
- Additional recycled water
- Additional imported water.

Water Quality provided by

- Onsite BMPs in residential area.
- Decentralized neighborhood facilities in non-residential areas consisting of:
 - Package treatment facilities in other developed areas.
 - Detention basins/tanks to minimize land acquisition (to capture 3/4-inch storm event) (3100 acres)

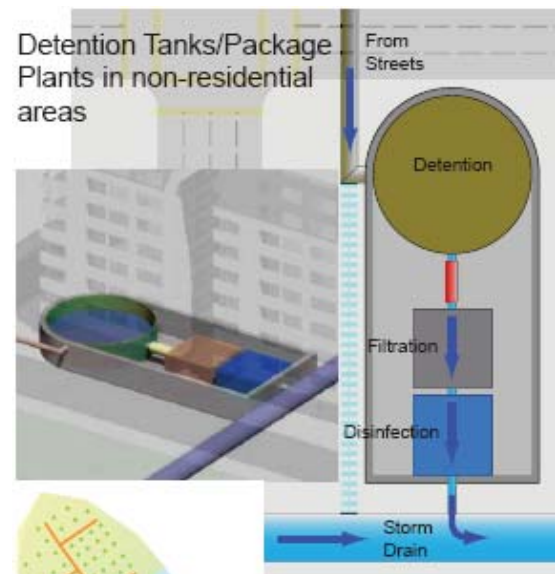
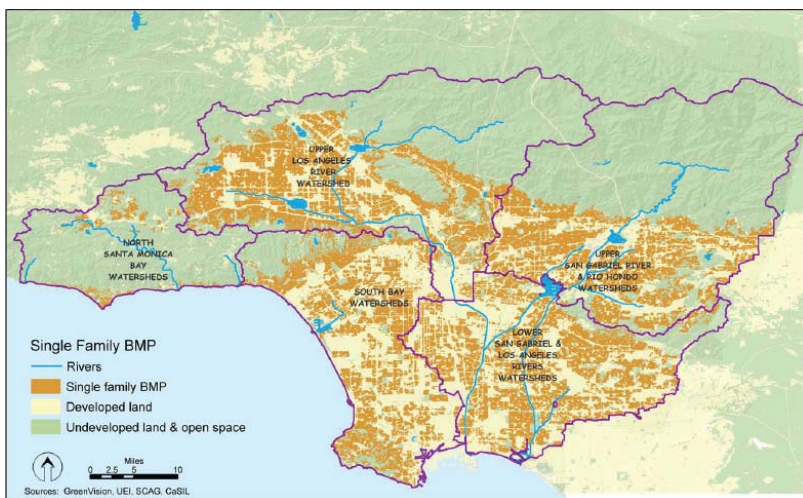


Open Space provided by

- A portion of the detention basis (50 percent) provide passive recreation benefits (1550 acres)
- The remainder of the open space provided by acquisition of new open space (6450 acres)

Use of Treated Water

- Onsite BMPs provide limited reuse and/or recharge of dry weather and wet weather runoff in residential areas.
- Discharge of treated water to creeks and rivers of dry weather and wet weather runoff from non-residential areas.



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Decentralized Neighborhood Treatment/Expanded Multi-Purpose Facilities

This scenario includes an emphasis on installation of neighborhood treatment facilities for dry and wet weather runoff. It also reflects a strategic shift to development of 130,000 acre-feet of the water supply goals through development of dry weather flow capture and treatment to meet both water quality requirements and water supply needs. This supply development would equally offset planned imported water development.

Water Supply provided by

- Water conservation.
- Expanded local water production.
- Other projects (desalination and groundwater recovery).
- Additional recycled water.
- Reduction in imported water.
- Reuse of urban (dry weather) runoff.

Water Quality provided by

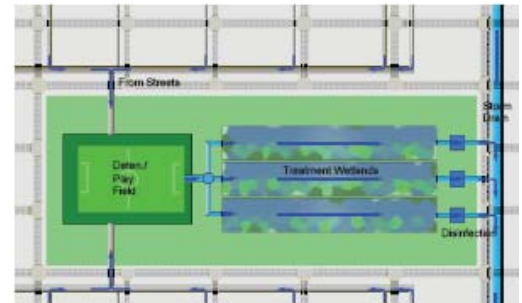
- Decentralized neighborhood facilities for all developed areas consisting of
 - Detention basins/ballfields (to capture ¾-inch storm event) (3500 acres)
 - Treatment wetlands, reverse osmosis, and disinfection facilities

Open Space provided by

- The detention basins provide active recreation benefits in the form of ballfields for approximately 6 months of the year (3500 acres)
- The treatment wetlands provide an additional open space benefits (4500 acres)

Use of Treated Water

- Reuse of 130,000 acre-feet/year of dry weather runoff for local non-potable supply of landscape irrigation or other uses (reduces imported water by 130,000 AF/yr)
- Discharge of remaining treated water to creeks and rivers of dry weather and wet weather runoff from residential and non-residential areas.



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Scenario 3

Centralized Multi-Purpose Emphasis

This scenario includes installation of centralized regional treatment facilities located along open channels, creeks, and rivers. These facilities are designed to provide capture and treatment of dry and wet weather runoff while also providing wildlife and riparian habitat benefits along these water bodies. This scenario also reflects a further expansion of water quality and water supply co-development through capture and treatment of 120,000 acre-feet of wet weather flows. This additional water supply development would equally further offset planned imported water development.

Water Supply provided by:

- Water conservation.
- Expanded local water production.
- Other projects (desalination and groundwater recovery).
- Additional recycled water.
- Increased reduction in imported water.
- Reuse of urban (dry weather) runoff.
- Reuse of urban stormwater runoff.

Water Quality provided by

- Centralized regional river greenway facilities for all developed areas consisting of:
 - Detention basins/seasonal wetlands (to capture $\frac{3}{4}$ -inch storm event) (3500 acres)
 - Treatment wetlands, reverse osmosis, and disinfection facilities (4500 acres)

Open Space provided by

- The detention basins provide some seasonal wetland habitat and passive recreation benefits (3500 acres)
- The treatment wetlands provide additional open space benefits (4500 acres)

Use of Treated Water

- Reuse of 130,000 acre-feet/year of dry weather runoff for local non-potable supply of landscape irrigation or other uses (reduces imported water by 130,000 AF/yr)
- Recharge of 120,000 acre-feet/year of stormwater runoff via groundwater recharge basins.
- Discharge of remaining treated water to creeks and rivers of dry weather and wet weather runoff from residential and non-residential areas.

