

Greater Los Angeles County Region IRWMP

Project Enhancements and Integration

ID	Project Title	Project Sponsor	Project Descriptions	Enhancement Opportunities	Integration Opportunities	Old Score	Enhanced Score
225	Provide 100% recycled water to the West Coast Barrier-17.5 mgd (Phase VI Ex	West Basin Municipal Water District	This project is needed to offset imported water and groundwater supplies with the use of recycled water. Increased use of recycled water is needed in this area because of the demands put on imported water and groundwater supplies; and therefore water reliability is the goal of West Basin MWD. The project proposes to provide 100% recycled water for injection into the West Coast Barrier. West Basin MWD currently injects 75% of recycled water and 25% of imported water into the Barrier. This expansion will provide a total of 17,500 AFY of additional supplies.		Combine with Projects #204 (WRD), #211 and #116 (LACFCD) to form a high profile project that combines recycled water, groundwater reuse, barrier maintenance and improved telemetry to maximize the reduction of imported water through a series of coordinated projects.	17	24 (as Project #1225)
204	I-105 Freeway to Dominguez Gap Barrier Pipeline	Water Replenishment District of Southern California	A portion of the I-105 freeway between the San Gabriel and LA rivers was completed below the original land surface. To mitigate high groundwater, Caltrans constructed a series of extraction wells along the west-bound side of the freeway to control the groundwater level below the freeway surface. This project involves treating this 2,000 afy and conserving it in the West Coast Groundwater Basin through the Dominguez Gap Barrier (DGB) to offset imported water demands. Major project components include: the construction of approximately 8 miles of pipeline from the dewatering wells to Dominguez Gap Barrier, a new 1,550 gallon per minute (gpm) deep well and a 1,300 gpm treatment plant consisting of oxidation / filtrations for iron and manganese removal, followed by GAC adsorption for VOC removal (specifically TCE and cis-1,2-DCE). Water from the new treatment facility well will be augmented with 2,500 afy from the new well to provide 4,500 afy to the DGB, thereby reducing imported water demands by a like amount.		Combine with Projects #225 (West Basin MWD), #211 (West Basin MWD) and #116 (LACFD) to form a high profile project that combines recycled water, groundwater reuse, barrier maintenance and improved telemetry to maximize the reduction of imported water through a series of coordinated projects.	15	24 (as Project #1225)
211	Dominguez Refineries Recycled Water Project	West Basin Municipal Water District	This project proposes to extend the existing West Basin Water Recycling System distribution line through Carson and the LA Harbor area. It will connect major refineries and industry. This project will include a nitrification treatment in Carson. This distribution line will also connect to another portion of West Basin's service area that will supply recycled water to the Palos Verdes Peninsula area.		Combine with Projects #225, #204 (WRD), and #116 (LACFCD) to form a high profile project that combines recycled water, groundwater reuse, barrier maintenance and improved telemetry to maximize the reduction of imported water through a series	15	24 (as Project #1225)
209	Harbor/ South Bay Expansion	West Basin Municipal Water District	This project expands the West Basin Water Recycling distribution line to the West Basin service area and the Palos Verdes Peninsula. This project is needed in the Palos Verdes Peninsula area because of the amount of green open space, landscaped areas, and golf courses that could benefit from reclaimed water for irrigation. This distribution line will also connect to another portion of West Basin's service area that will supply recycled water to the Los Angeles Harbor area. The recycled water will originate from Hyperion Wastewater Treatment Facility in Los Angeles. The recycled water is transported through existing lines to the Palos Verdes Peninsula area.	Quantify water quality benefits. Add in open space benefits.	Link with Project #56 (City of Rolling Hills Estates) to create a high profile sustainability demonstration project.	11	20 (as Project #1209)
9	Carson Freeway Wetland	City of Carson, Carson Redevelopment Agency	Acquire Brownfield property between the Dominguez Channel and the San Diego Freeway in the City of Carson and construct an engineered wetland to provide treatment of freeway storm water runoff and local dry weather flows from golf courses, local storm drains and/or the Dominguez Channel. Project includes linear jogging/bike path to provided critical recreational open space and enhance local redevelopment activity. The project is adjacent to two local golf courses and a planned mixed use development known as Carson Marketplace.	Add in habitat and and trail access (open space). Add credit for DACs.	Combine with Projects #89 (Coastal Conservancy) and #113 (LACFCD) to create a single high profile multi-agency project that offers water quality, open space and habitat benefits along the Dominguez Channel. Make project accessible to DACs.	9	20 (as Project #1009)

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55	Chandler Sand & Gravel Redevelopment Infiltration Basin	City of Rolling Hills Estates	Incorporation of a stormwater infiltration/groundwater recharge/flood control basin into redevelopment of the former sand & gravel quarry, currently an inert landfill. Redevelopment plans for the property involve the construction of new homes and expansion of a private golf course. Basin would receive runoff from 500 acres including 250 acres outside the redevelopment project conveyed via five natural drainage courses. Property includes groundwater rights and the basin could either provide surface water source for golf course irrigation or serve as recharge for groundwater used for irrigation.	Add Water Replenishment District as a cooperating agency (to account for water supply benefits). Add in open space, habitat components.	Link project with City of Torrance projects (#71-81).	6	17
137	Silver Lake Reservoir wetlands and park conversion	NA	Convert reservoir from Emergency Supply to recreational wetland supplied by reclaimed water and seasonal runoff. Remove fences and provide trails and overlooks. Open up meadow as park. Project will decrease consumption of imported water.	Add in cooperating entities (supplier of reclaim water). Identify potential DAC benefits. Quantify water quality, water supply, habitat and open space benefits.		0	19
116	West Coast Basin Seawater Barrier Telemetry System	Los Angeles County Flood Control District	This project involves the installation of equipment to remotely monitor injection wells to improve the overall effectiveness and efficiency in the operation of the West Coast Basin Seawater Barrier.	Tie project in with Project #225 (West Basin MWD)		4	24 (as Project #1225)
89	Dominguez Channel Habitat Restoration	Coastal Conservancy	Habitat creation/restoration in and along the Dominguez Channel	Make project accessible to DACs.	Combine with Projects #9 (City of Carson, Carson Redevelopment Agency) and #113 (LACFCD) to create a single high profile, multi-agency project that offers water quality, open space and habitat benefits along the Dominguez Channel.	0	20 (as Project #1009)
113	Dominguez Channel Greenway	Los Angeles County Flood Control District	Development of a native landscaped greenway and bikeway/pedestrian trail along the Dominguez Channel. The project will include the following access/maintenance/road improvements for the new/improved bikeway; AC repair and replacement, slurry seal, American Disability Act (ADA) access ramps and bikeway/pedestrian signage and striping. Landscaping improvements include landscaping using native and drought-tolerant plants, irrigation, as-needed fencing repair/replacement. Educational/interpretive signage will also be included along the bikeway/pedestrian trail. A study is also recommended to consider additional pedestrian crosswalks with street lamp lighting for added safety.	Make project accessible to DACs.	Link with Project #9 and #89. Combine to create a single high profile multi-agency project that offers water quality, open space and habitat benefits along the Dominguez Channel.	0	20 (as Project #1009)
56	Peninsula Village Green Building Review	City of Rolling Hills Estates	Provide a 50% match to developers for the cost associated with contracting for an external environmental review of green building aspects of development/redevelopment projects proposed within the Peninsula Village overlay zone. This would include review for incorporation of green building features that also achieve IRWMP objectives including: water conservation, water recycling, flood management, stormwater capture and management/reuse, water quality protection and improvement.	Quantify water quality benefits. Add in open space benefits.	Link with Project #209 (West Basin MWD) to create a high profile sustainability demonstration project.	4	20 (as Project #1209)

Summary of Integrated Projects

New Project #	Integrated Project Title	Summary of Enhancement	Rationale for recommended integration
1225	Seawater Barrier Recharge Imported Water Replacement	Integrated Projects #225, #204, #211 and #116 to form Project #1225	Integrates four projects that will contribute towards reduction of the imported water needed for injection to repel seawater intrusion. This would create a high profile regional project that effectively integrates the use of nuisance groundwater and recycled water to accomplish the common goal of maintaining an adequate seawater barrier at two major seawater intrusion barriers.
1209	Water Supply and Green Development	Integrated Projects #209 and #56 to Form Project #1209	Integrates a recycled water expansion with a project that promotes practices of green building in development and redevelopment projects. The expansion of the distribution system can be directly tied to implementation of the green building initiative and will facilitate the use of recycled water by developers. This will coordinate the efforts of a water agency and a city.
1009	Dominguez Channel Water Quality, Habitat and Greenway Improvements.	Integrated Projects #9, #89 and #113 to form Project #1009	Integrates a stormwater treatment project with a habitat project and an open space project all along the Dominguez Channel. This will combine the efforts of 3 separate agencies.