

Project # 55 Chandler Sand & Gravel Redevelop. Infil Basin (Enhanced)

City of Rolling Hills Estates
NA

Kathleen McGowan
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<http://ci.rolling-hills-estates.ca.us/comm-issues/chandler/index.htm>

Partnering Agency:

<u>Project Description</u>																									
<p>Improvements to Project #55 include addition of habitat and open space components where possible. This project involves incorporation of a stormwater infiltration/groundwater recharge/flood control basin into redevelopment of the former sand & gravel quarry, currently an inert landfill. The enhanced project will allow for creation of open space and habitat where it is compatible with the recharge area characteristics. This could involve the development of trails and interpretative markers. 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. Other possibilities are that the project could also be linked to City of Torrance Projects (#71-#81)</p>																									
<u>Project Integration</u>	<u>Project Need</u>																								
	NA																								
<u>Cooperating Agencies</u>	<u>Location Description</u>																								
Water Replenishment District NA NA NA NA	This former 127-acre sand & gravel quarry is located in the northeast corner of the City of Rolling Hills Estates, straddling the Lomita and Torrance City boundaries. It is located within the Machado Lake subwatershed of the Dominguez Watershed.																								
<u>Associated Watersheds</u>	<u>Project Cost Estimate</u>																								
DCW WB NA	<p>Lower Estimated Total Capital Cost (\$): 1000000 Upper Estimated Total Capital Cost (\$): 2000000 Of total cost, estimated cost for land purchase/easement (\$): -1 Annual OM Cost (\$): -1 Design Life of Project (years): -1</p>																								
<u>Is part of larger program?</u>	<u>Project Source(s)</u>																								
FALSE	Dominguez Watershed Masterplan Dominguez Watershed Masterplan Machado Lake Watershed Management Plan Machado Lake TMDLs (in development)																								
	<u>Sub-region(s)</u>																								
	SO_BAY NA NA																								
<u>Readiness to Proceed</u>																									
NA	<table border="1"> <thead> <tr> <th><u>Item</u></th> <th><u>Status</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <tr> <td>Conceptual Plans</td> <td>IN_PROC</td> <td>1/1/2001 0:00</td> </tr> <tr> <td>Land Acquisition</td> <td>NOT_INIT</td> <td>1/1/1753 12:00:</td> </tr> <tr> <td>Preliminary Plans</td> <td>NOT_INIT</td> <td>1/1/1753 12:00:</td> </tr> <tr> <td>CEQA/NEPA</td> <td>NOT_INIT</td> <td>1/1/1753 12:00:</td> </tr> <tr> <td>Permits</td> <td>NOT_INIT</td> <td>1/1/1753 12:00:</td> </tr> <tr> <td>Construction Drawings</td> <td>NOT_INIT</td> <td>1/1/1753 12:00:</td> </tr> <tr> <td>Funding</td> <td>NOT_INIT</td> <td>1/1/1753 12:00:</td> </tr> </tbody> </table>	<u>Item</u>	<u>Status</u>	<u>Date</u>	Conceptual Plans	IN_PROC	1/1/2001 0:00	Land Acquisition	NOT_INIT	1/1/1753 12:00:	Preliminary Plans	NOT_INIT	1/1/1753 12:00:	CEQA/NEPA	NOT_INIT	1/1/1753 12:00:	Permits	NOT_INIT	1/1/1753 12:00:	Construction Drawings	NOT_INIT	1/1/1753 12:00:	Funding	NOT_INIT	1/1/1753 12:00:
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Construction Drawings	NOT_INIT	1/1/1753 12:00:																							
Funding	NOT_INIT	1/1/1753 12:00:																							
<p>Proposed Start Date: 1/1/2008 Proposed Completion Date: 1/1/2009 Ready For Construction Bid: N/A</p>																									
<u>Water Quality Objectives</u>	<u>Water Quality Benefits</u>																								
<p>Improve Storm Water Quality: PRI Improve Wastewater Effluent WQ: NA Receiving Water Body Qual. Improvement: SEC Improved Flood Management: PRI Ground Water Protection or Improvement: NA Other:</p>	<p>Treatment Technology: NA Treatment Capacity (MGD): 0.5 Targeted Contaminants Metal: FALSE Pathogens: FALSE Nutrients: FALSE Trash: FALSE Pollutants: FALSE Other: FALSE Description: Area Drained 500 acres</p>																								

Water Supply Objectives

Reduced Reliance Imported Water: SEC
 Increased Water Supply Reliability: NA
 Increased Operational Flexibility: NA
 Increased Water Conservation: NA
 Increased Water Recycling: NA
 Increased Groundwater Management: PRI
 Reduced Sea Water Intrusion: SEC
 Protect/Improve Drinking Water Standards: NA

Other:

Detention and Groundwater Recharge Benefit

Acres of land that drain into basin: -1
 Detention Basin Area (acres): -1
 Max Operational Depth (ft): -1
 % Wetlands: 0
 Soil Type: NA
 Method and Recharge (AFY):
 Estimated Annual Inflow (AFY): -1
 Estimated Annual Outflow (AFY): -1

Beneficial Use Objectives

Create/Enhance Wetlands: NA
 Restore/Protect Habitat: NA
 Create Public Access/Rec/Open Space: NA
 Increased In-Stream Flow: NA
 Other: NA

Flood Management Benefit Information

Max Storm Runoff Storage: -1
 Max Conveyance Capacity: -1
 Flood Protection Level: NA
 Acres Benefitting: -1
 Other: 0
 Estimated Annual Flood Reduction Value: -1
 Acreage Required for Implementation: -1

Water Supply/Demand Reduction Benefits

Surface Water Storage: FALSE Groundwater: FALSE
 Groundwater Treatment: FALSE Recycled Water: FALSE
 Reclaimed Groundwater: FALSE Conservation: FALSE
 Ocean Desalination: FALSE Transfer: FALSE

Other:

Type of supply/demand reduction: NA
 Description:

Annual Yield of Supply (AFY):

Availability by water-year type (AFY)

Average Year: 0
 Dry Year: 0
 Wet Year: 0
 Other: 0
 Description:

Availability by season:

Summer: FALSE Spring: FALSE
 Fall: FALSE Winter: FALSE

Has potential to displace demands on Bay/Delta/Estuary system: NS

Beneficial Use Benefit

Non-Treatment Wetland Acres: 0
 Treatment Wetland Acres: 0
 Riparian Habitat Acres: 0.5
 Open Space Acres: 0
Multiple Use/Recreation Area
 Single Sport Athletics Acres: 0
 Multiple Sport Athletics Acres: 0
 Other Recreation Acres: 0
 Pedestrian Trail Acres: 0
 Equestrian Trail Acres: 0
 Other Acres: 10
 Description: NA
 Total Project Acres: 0

Other Benefits

500 acres flood control

Dominant existing land use type: NA

Upstream/downstream land use type: NA

Addresses Environmental Justice issues: NS

Within Disadvantaged Community: NS

Disadvantaged Community Participation: NS

Organization:

Project # 55

Chandler Sand & Gravel Redevelop. Infil. Basin (Enhanced)

Submitted By: City of Rolling Hills Estates, Water Replenishment District

Regional Prioritization Evaluation and Scoring				
Framework Components	Screening and Scoring Methods			Project Scoring
Contribution to Planning Targets	Degree of Benefit			
	H (6 pts)	M (4 pts)	L (2 pts)	
Improve Water Supply - Total (AFY)	>1000	100-1000	<100	4
Improve Water Quality* (MGD)	>10	1-10	<1	2
Groundwater* (AFY)	>1000	100-1000	<100	0
Enhance Habitat (AC)	>10	1-10	<1	2
Enhance Open Space, Recreation (AC)	>10	1-10	<1	4
Other Regional Priorities	Yes/No Scoring			
	Y = 5 pts			
Multiple Sub-regions / Multiple Entities	Y/N			5
High Profile / Demonstration Project	Y/N			0
TOTAL	Out of 34			17

Readiness to Proceed Evaluation and Scoring					
Framework Components	Screening and Scoring Methods				Project Scoring
Documentation Progress	Degree of Completeness				
	H (6 pts)	M (3 pts)	L (0 pts)	N/A	
Conceptual Plans	C	IP	NI	NA	3
Land Acquisition	C	IP	NI	NA	0
Preliminary Plans	C	IP	NI	NA	0
Permits	C	IP	NI	NA	0
Construction Drawings	C	IP	NI	NA	0
Feasibility, Cost, Schedule, and Support	Defined Benchmarks				
	H (5 pts)	M (3 pts)	L (1 pts)	N/A	
Project Feasibility (0-3 Documents)	3+	2	1	NA	5
Cost-Share	>60%	40-60%	<40%	NA	0
Schedule - Construction Start	2008-10	2011-12	2013+	NA	5
Local Support	H	M	L	NA	0
TOTAL	Out of 50				13

Sub-Regional Prioritization Evaluation and Scoring			
Framework Components	Screening and Scoring Methods		Project Scoring
Prioritized Objectives	Weighted Yes/No Scoring		
	Rank (Wt.)		
Improve Water Supply	Y/N	1 (5 pts)	5
Improve Water Quality	Y/N	2 (5 pts)	5
Enhance Habitat	Y/N	5 (5 pts)	5
Enhance Open Space, Recreation	Y/N	4 (5 pts)	5
Sustain Communities	Y/N	3 (5 pts)	0
Other Sub-Regional Priorities	Yes/No Scoring		
	Y=4, N=0		
Critical Needs	Y/N		0
Disadvantaged Communities	Y/N		0
Conjunctive Use (Inc. Cleanup/WQ Mgmt)	Y/N		0
Recycled Water Expansion	Y/N		0
Water Conservation	Y/N		0
TOTAL	Out of 50		20

Summary Scores		
	Score	Rank
Regional Benefit	17	3
Sub-Regional Priorities	20	2
Total	16	12
Readiness to Proceed	13	15

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Project # 137 Silver Lake Reservoir wetlands and park conversion (Enhanced)

To be Identified

Jessica Hall

NA

213-576-6687

jhall@waterboards.ca.gov

NA

Partnering Agency: To be Identified

Project Description

Improvements to Project #137 include identification of a sponsoring agency and the supplier of reclaimed water, and the quantification of the water quality, water supply, habitat and open space benefits. The project involves conversion of the 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.

<u>Project Integration</u> Collective goal of this and other Ballona habitat programs is to facilitate habitat connectivity through a matrix of public and private property from the Hollywood Hills/Santa Monica Mountains to Ballona Creek and Wetlands.	<u>Project Need</u> NA
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<u>Cooperating Agencies</u> To be Identified NA NA NA NA	<u>Location Description</u> Ballona Creek Wshd	<u>Project Cost Estimate</u> Lower Estimated Total Capital Cost (\$): 35000000 Upper Estimated Total Capital Cost (\$): 60000000 Of total cost, estimated cost for land purchase/easement (\$): -1 Annual OM Cost (\$): -1 Design Life of Project (years): -1	
<u>Associated Watersheds</u> NA NA NA	<u>Project Source(s)</u> conforms to goals of Ballona Creek Watershed Mgmt Plan conforms to goals of Ballona Creek Watershed Mgmt Plan		<u>Sub-region(s)</u> SO_BAY NA NA
<u>Is part of larger program?</u> FALSE	NA NA		

<u>Readiness to Proceed</u>				
NA		<u>Item</u>	<u>Status</u>	<u>Date</u>
		Conceptual Plans	NOT_INIT	1/1/2001 0:00
		Land Acquisition	NOT_INIT	1/1/2001 0:00
		Preliminary Plans	NOT_INIT	1/1/2001 0:00
		CEQA/NEPA	NOT_INIT	1/1/2001 0:00
		Permits	NOT_INIT	1/1/2001 0:00
		Construction Drawings	NOT_INIT	1/1/2001 0:00
		Funding	NOT_INIT	1/1/2001 0:00
Proposed Start Date: 1/1/2006				
Proposed Completion Date: 1/1/2007				
Ready For Construction Bid: N/A				

<u>Water Quality Objectives</u>	<u>Water Quality Benefits</u>
Improve Storm Water Quality: NA	Treatment Technology: NA
Improve Wastewater Effluent WQ: NA	Treatment Capacity (MGD): 0.5
Receiving Water Body Qual. Improvement: NA	<u>Targeted Contaminants</u>
Improved Flood Management: NA	Metal: FALSE Pathogens: FALSE Nutrients: FALSE
Ground Water Protection or Improvement: NA	Trash: FALSE Pollutants: FALSE Other: FALSE
Other: NA	Description: Approximately 100 acres of open reservoir can be converted to wetland, capturing and treating approx 250 acres of runoff from low/medium density housing

Water Supply Objectives

Reduced Reliance Imported Water: NA
Increased Water Supply Reliability: NA
Increased Operational Flexibility: NA
Increased Water Conservation: NA
Increased Water Recycling: NA
Increased Groundwater Management: NA
Reduced Sea Water Intrusion: NA
Protect/Improve Drinking Water Standards: NA
Other: NA

Detention and Groundwater Recharge Benefit

Acres of land that drain into basin: -1
Detention Basin Area (acres): -1
Max Operational Depth (ft): -1
% Wetlands: 0
Soil Type: NA
Method and Recharge (AFY):
Estimated Annual Inflow (AFY): -1
Estimated Annual Outflow (AFY): -1

Beneficial Use Objectives

Create/Enhance Wetlands: NA
Restore/Protect Habitat: NA
Create Public Access/Rec/Open Space: NA
Increased In-Stream Flow: NA
Other: NA

Flood Management Benefit Information

Max Storm Runoff Storage: -1
Max Conveyance Capacity: -1
Flood Protection Level: NA
Acres Benefitting: -1
Other: 0
Estimated Annual Flood Reduction Value: -1
Acreage Required for Implementation: -1

Water Supply/Demand Reduction Benefits

Surface Water Storage: FALSE Groundwater: FALSE
Groundwater Treatment: FALSE Recycled Water: FALSE
Reclaimed Groundwater: FALSE Conservation: FALSE
Ocean Desalination: FALSE Transfer: FALSE

Other: NA
Type of supply/demand reduction: NA
Description: Reduces consumption of imported water; reuses reclaimed water.

Annual Yield of Supply (AFY): 0

Availability by water-year type (AFY)
Average Year: 0
Dry Year: 0
Wet Year: 0
Other: 0
Description: NA

Availability by season:
Summer: FALSE Spring: FALSE
Fall: FALSE Winter: FALSE

Has potential to displace demands on Bay/Delta/Estuary system: NS

Beneficial Use Benefit

Non-Treatment Wetland Acres: 0
Treatment Wetland Acres: 0
Riparian Habitat Acres: 10
Open Space Acres: 0
Multiple Use/Recreation Area
Single Sport Athletics Acres: 0
Multiple Sport Athletics Acres: 0
Other Recreation Acres: 0
Pedestrian Trail Acres: 0
Equestrian Trail Acres: 0
Other Acres: 10
Description: Integrates habitat with existing open space
Total Project Acres: 0

Other Benefits

NA

Dominant existing land use type: NA
NA
Upstream/downstream land use type: NA
NA

Addresses Environmental Justice issues: NS
Within Disadvantaged Community: NS
Disadvantaged Community Participation: NS
Organization: NA

Submitted By: To be Identified

Regional Prioritization Evaluation and Scoring				
Framework Components	Screening and Scoring Methods			Project Scoring
Contribution to Planning Targets	Degree of Benefit			
	H (6 pts)	M (4 pts)	L (2 pts)	
Improve Water Supply - Total (AFY)	>1000	100-1000	<100	0
Improve Water Quality* (MGD)	>10	1-10	<1	2
Groundwater* (AFY)	>1000	100-1000	<100	0
Enhance Habitat (AC)	>10	1-10	<1	6
Enhance Open Space, Recreation (AC)	>10	1-10	<1	6
Other Regional Priorities	Yes/No Scoring			
	Y = 5 pts			
Multiple Sub-regions / Multiple Entities	Y/N			5
High Profile / Demonstration Project	Y/N			0
TOTAL	Out of 34			19

Readiness to Proceed Evaluation and Scoring					
Framework Components	Screening and Scoring Methods				Project Scoring
Documentation Progress	Degree of Completeness				
	H (6 pts)	M (3 pts)	L (0 pts)	N/A	
Conceptual Plans	C	IP	NI	NA	0
Land Acquisition	C	IP	NI	NA	0
Preliminary Plans	C	IP	NI	NA	0
Permits	C	IP	NI	NA	0
Construction Drawings	C	IP	NI	NA	0
Feasibility, Cost, Schedule, and Support	Defined Benchmarks				
	H (5 pts)	M (3 pts)	L (1 pts)	N/A	
Project Feasibility (0-3 Documents)	3+	2	1	NA	1
Cost-Share	>60%	40-60%	<40%	NA	0
Schedule - Construction Start	2008-10	2011-12	2013+	NA	0
Local Support	H	M	L	NA	0
TOTAL	Out of 50				1

Sub-Regional Prioritization Evaluation and Scoring			
Framework Components	Screening and Scoring Methods		Project Scoring
Prioritized Objectives	Weighted Yes/No Scoring		
	Rank (Wt.)		
Improve Water Supply	Y/N	1 (5 pts)	5
Improve Water Quality	Y/N	2 (5 pts)	5
Enhance Habitat	Y/N	5 (5 pts)	5
Enhance Open Space, Recreation	Y/N	4 (5 pts)	5
Sustain Communities	Y/N	3 (5 pts)	0
Other Sub-Regional Priorities	Yes/No Scoring		
	Y=4, N=0		
Critical Needs	Y/N		0
Disadvantaged Communities	Y/N		4
Conjunctive Use (Inc. Cleanup/WQ Mgmt)	Y/N		0
Recycled Water Expansion	Y/N		0
Water Conservation	Y/N		0
TOTAL	Out of 50		24

Summary Scores		
	Score	Rank
Regional Benefit	19	3
Sub-Regional Priorities	24	1
Total	15	13
Readiness to Proceed	1	26

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Project # 1009 Dominguez Channel Water Quality, Habitat and Greenway

Carson, Carson Redevelopment Agency, Coastal Conservancy, LACFD
 City of Carson City Hall 701 East Carson
 Street Carson, CA 90810

Patricia Elkins
 310-847-3529
 pelkins@carson.ca.us

NA

Partnering Agency:

<u>Project Description</u>																											
This integrated project combines Projects #9, #89 and #113 which are all focused on the Dominguez Channel. It will involve creation of an engineered wetland through acquisition of Brownfield property between the Dominguez Channel and the San Diego Freeway in the City of Carson and habitat creation and restoration in and along the channel, all tied together through the development of a native landscaped greenway and bikeway/pedestrian trail along the channel.																											
<u>Project Integration</u> Dominguez Watershed Master Plan		<u>Project Need</u> The project is consistent with the Dominguez Watershed Management Master Plan (DWMMP) goal of developing a continuous greenway, providing recreational elements, and restoring the natural environment and habitat along the Channel. The project will revitalize the Flood Control District rights of way along the Dominguez Channel in the Citites of Gardena, Hawthorne, and the unincorporated El Camino Village Area.																									
<u>Cooperating Agencies</u> Carson Redevelop.Agency Coastal Conservancy LACFD NA NA	<u>Location Description</u> The brownfield property consists of 29-acre strip of land sandwiched between the Dominguez Channel and the San Diego Freeway operated formerly as a solid waste landfill. The habitat creation and restoration will take place along 15 miles of channel from the City of Hawthorne to the East Basin of the Port of LA.	<u>Project Cost Estimate</u> Lower Estimated Total Capital Cost (\$): 4500000 Upper Estimated Total Capital Cost (\$): 14000000 Of total cost, estimated cost for land purchase/easement (\$): 1000000 Annual OM Cost (\$): 180000 Design Life of Project (years): 50																									
<u>Associated Watersheds</u> DCW WB NA	<u>Project Source(s)</u> Dominguez Watershed Masterplan Carson Marketplace Specific Plan		<u>Sub-region(s)</u> SO_BAY NA NA																								
<u>Is part of larger program?</u> TRUE																											
<u>Readiness to Proceed</u>																											
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Permits	NOT_INIT	1/1/1753 12:00:																									
Construction Drawings	NOT_INIT	1/1/1753 12:00:																									
Funding	NOT_INIT	1/1/1753 12:00:																									
Proposed Start Date: 6/1/2008 Proposed Completion Date: 6/1/2009 Ready For Construction Bid: N/A																											
<u>Water Quality Objectives</u>		<u>Water Quality Benefits</u>																									
Improve Storm Water Quality: PRI Improve Wastewater Effluent WQ: NA Receiving Water Body Qual. Improvement: PRI Improved Flood Management: SEC Ground Water Protection or Improvement: NA Other:		Treatment Technology: wetlands treatment Treatment Capacity (MGD): 3 <u>Targeted Contaminants</u> Metal: TRUE Pathogens: TRUE Nutrients: TRUE Trash: FALSE Pollutants: TRUE Other: FALSE Description: Volume Treated as 3 to 3.5 mgd 29 acre site (?)																									

Water Supply Objectives

Reduced Reliance Imported Water: NA
Increased Water Supply Reliability: NA
Increased Operational Flexibility: NA
Increased Water Conservation: NA
Increased Water Recycling: NA
Increased Groundwater Management: SEC
Reduced Sea Water Intrusion: NA
Protect/Improve Drinking Water Standards: NA

Other:

Detention and Groundwater Recharge Benefit

Acres of land that drain into basin: -1
Detention Basin Area (acres): 27
Max Operational Depth (ft): 3
% Wetlands: 100
Soil Type: NA
Method and Recharge (AFY):
Estimated Annual Inflow (AFY): -1
Estimated Annual Outflow (AFY): -1

Beneficial Use Objectives

Create/Enhance Wetlands: NA
Restore/Protect Habitat: PRI
Create Public Access/Rec/Open Space: PRI
Increased In-Stream Flow: NA
Other: NA

Flood Management Benefit Information

Max Storm Runoff Storage: 14
Max Conveyance Capacity: -1
Flood Protection Level: NA
Acres Benefitting: -1
Other: 0
Estimated Annual Flood Reduction Value: -1
Acreage Required for Implementation: 29

Water Supply/Demand Reduction Benefits

Surface Water Storage: FALSE Groundwater: TRUE
Groundwater Treatment: FALSE Recycled Water: FALSE
Reclaimed Groundwater: FALSE Conservation: FALSE
Ocean Desalination: FALSE Transfer: FALSE

Other:

Type of supply/demand reduction: NONPOT

Description:

Annual Yield of Supply (AFY):

Availability by water-year type (AFY)

Average Year: 0
Dry Year: 0
Wet Year: 0
Other: 0

Description:

Availability by season:

Summer: FALSE Spring: FALSE
Fall: FALSE Winter: FALSE

Has potential to displace demands on Bay/Delta/Estuary system: NS

Beneficial Use Benefit

Non-Treatment Wetland Acres: 0
Treatment Wetland Acres: 27
Riparian Habitat Acres: 4
Open Space Acres: 0

Multiple Use/Recreation Area

Single Sport Athletics Acres: 0
Multiple Sport Athletics Acres: 0
Other Recreation Acres: 0
Pedestrian Trail Acres: 2
Equestrian Trail Acres: 0
Other Acres: 1
Description: 29 acres created /restored

Total Project Acres: 37

Other Benefits

The project will provide 27 acres of flow-through wetland treatment of dry weather flows in the Dominguez Channel and secondarily provide infiltration and evapotranspiration of dry weather flows in the Dominguez Channel. It will also provide recreational and enhance open-space in the form of a linear pedestrian/jogging trail through the wetland connecting nearby residential areas with two public golf courses. Finally, the project will also provide for removal of exotic, invasive species and native landscaping improvements will provide aesthetic and passive recreational benefits to

Dominant existing land use type: COM

Upstream/downstream land use type: OTHR

Addresses Environmental Justice issues: Y

Within Disadvantaged Community: Y

Disadvantaged Community Participation: Y

Organization:

Project # 1009 Dominguez Channel Water Quality, Habitat and Greenway Improvements (Integration of Projects #9, #89 & #113)

Submitted By: Carson, Carson Redevelopment Agency, Coastal Conservancy, LACFD

Regional Prioritization Evaluation and Scoring				
Framework Components	Screening and Scoring Methods			Project Scoring
Contribution to Planning Targets	Degree of Benefit			
	H (6 pts)	M (4 pts)	L (2 pts)	
Improve Water Supply - Total (AFY)	>1000	100-1000	<100	0
Improve Water Quality* (MGD)	>10	1-10	<1	4
Groundwater* (AFY)	>1000	100-1000	<100	0
Enhance Habitat (AC)	>10	1-10	<1	4
Enhance Open Space, Recreation (AC)	>10	1-10	<1	2
Other Regional Priorities	Yes/No Scoring			
	Y = 5 pts			
Multiple Sub-regions / Multiple Entities	Y/N			5
High Profile / Demonstration Project	Y/N			5
TOTAL	Out of 34			20

Readiness to Proceed Evaluation and Scoring					
Framework Components	Screening and Scoring Methods				Project Scoring
Documentation Progress	Degree of Completeness				
	H (6 pts)	M (3 pts)	L (0 pts)	N/A	
Conceptual Plans	C	IP	NI	NA	3
Land Acquisition	C	IP	NI	NA	0
Preliminary Plans	C	IP	NI	NA	0
Permits	C	IP	NI	NA	0
Construction Drawings	C	IP	NI	NA	0
Feasibility, Cost, Schedule, and Support	Defined Benchmarks				
	H (5 pts)	M (3 pts)	L (1 pts)	N/A	
Project Feasibility (0-3 Documents)	3+	2	1	NA	3
Cost-Share	>60%	40-60%	<40%	NA	0
Schedule - Construction Start	2008-10	2011-12	2013+	NA	5
Local Support	H	M	L	NA	0
TOTAL	Out of 50				11

Sub-Regional Prioritization Evaluation and Scoring			
Framework Components	Screening and Scoring Methods		Project Scoring
Prioritized Objectives	Weighted Yes/No Scoring		
	Rank (Wt.)		
Improve Water Supply	Y/N	1 (5 pts)	0
Improve Water Quality	Y/N	2 (5 pts)	5
Enhance Habitat	Y/N	5 (5 pts)	5
Enhance Open Space, Recreation	Y/N	4 (5 pts)	5
Sustain Communities	Y/N	3 (5 pts)	0
Other Sub-Regional Priorities	Yes/No Scoring		
	Y=4, N=0		
Critical Needs	Y/N		0
Disadvantaged Communities	Y/N		4
Conjunctive Use (Inc. Cleanup/WQ Mgmt)	Y/N		0
Recycled Water Expansion	Y/N		0
Water Conservation	Y/N		0
TOTAL	Out of 50		19

Summary Scores		
	Score	Rank
Regional Benefit	20	2
Sub-Regional Priorities	19	3
Total	0	0
Readiness to Proceed	11	17

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Project # 1209 Recycled Water Supply and Green Development

West Basin MWD, City of Rolling Hills Estates
17140 S. Avalon Blvd., Suite 210 Carson, CA
90746

Joe Walters
310-660-6208
joew@westbasin.org

www.westbasin.org

Partnering Agency: Customer Agencies, United State

Project Description																											
<p>This integrated project combines Projects #209 and #56. This project expands the West Basin Water Recycling distribution line to the West Basin service area and the Palos Verdes Peninsula. A portion of the the recycled water made available is then linked to a green development initiative sponsored by the City of Rolling Hills Estates.. This project is needed in the Palos Verdes Peninsula area because of the amount of green open space that could benefit from reclaimed water for irrigation. This distribution line will also supply recycled water to the Los Angeles Harbor area. The green development component would 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.</p>																											
Project Integration		Project Need																									
West Basin's Water Recycling Program		<p>This project is needed in the West Basin service area because of the amount of green open space, landscaped areas, and golf courses that could benefit from reclaimed water for irrigation, as well as potential for incorporating green development practices like recycled water into future development. 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. This project will conserve approximately 2100 AFY of imported water supplies and treat 2100 AFY of wastewater effluent that would otherwise be discharged to the ocean.</p>																									
Cooperating Agencies	Location Description	Project Cost Estimate																									
City of Rolling Hills Estates United States Bureau of Reclamation Customer Agencies City of Los Angeles NA	Dominguez and Lower Santa Monica Bay. The newly created Peninsula Village Overlay Zone enables development of a mixed-use urban village combining high-density residences, office/service space, and retail uses in a pedestrian-oriented environment in the heart of the City of Rolling Hills	Lower Estimated Total Capital Cost (\$): 5100000 Upper Estimated Total Capital Cost (\$): 15100000 Of total cost, estimated cost for land purchase/easement (\$): 0 Annual OM Cost (\$): 100000 Design Life of Project (years): 40																									
Associated Watersheds	Project Source(s)		Sub-region(s)																								
DCW SMBW WB	West Basin MWD's 2005 Urban Water Management Plan Dominguez Watershed Masterplan		SO_BAY NA																								
Is part of larger program?	West Basin MWD/Los Angeles Department of Water and Power Harbor Plan		NA																								
TRUE	Machado Lake Watershed Management Plan																										
Readiness to Proceed																											
NA		<table border="1"> <thead> <tr> <th>Item</th> <th>Status</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Conceptual Plans</td> <td>COMP</td> <td>1/1/2007 0:00</td> </tr> <tr> <td>Land Acquisition</td> <td>COMP</td> <td>1/1/2007 0:00</td> </tr> <tr> <td>Preliminary Plans</td> <td>COMP</td> <td>1/1/2007 0:00</td> </tr> <tr> <td>CEQA/NEPA</td> <td>COMP</td> <td>1/1/2007 0:00</td> </tr> <tr> <td>Permits</td> <td>COMP</td> <td>1/1/2007 0:00</td> </tr> <tr> <td>Construction Drawings</td> <td>COMP</td> <td>1/1/2007 0:00</td> </tr> <tr> <td>Funding</td> <td>IN_PROC</td> <td>1/1/2007 0:00</td> </tr> </tbody> </table>		Item	Status	Date	Conceptual Plans	COMP	1/1/2007 0:00	Land Acquisition	COMP	1/1/2007 0:00	Preliminary Plans	COMP	1/1/2007 0:00	CEQA/NEPA	COMP	1/1/2007 0:00	Permits	COMP	1/1/2007 0:00	Construction Drawings	COMP	1/1/2007 0:00	Funding	IN_PROC	1/1/2007 0:00
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Construction Drawings	COMP	1/1/2007 0:00																									
Funding	IN_PROC	1/1/2007 0:00																									
Proposed Start Date: 1/1/2007																											
Proposed Completion Date: 1/1/2009																											
Ready For Construction Bid: 1-3 Years																											
Water Quality Objectives		Water Quality Benefits																									
Improve Storm Water Quality: SEC Improve Wastewater Effluent WQ: SEC Receiving Water Body Qual. Improvement: SEC Improved Flood Management: NA Ground Water Protection or Improvement: NA Other:	Treatment Technology: NA Treatment Capacity (MGD): 0.01 Targeted Contaminants Metal: FALSE Pathogens: FALSE Nutrients: FALSE Trash: FALSE Pollutants: FALSE Other: FALSE Description: Area Drained 87 acres																										

Water Supply Objectives

Reduced Reliance Imported Water: PRI
Increased Water Supply Reliability: PRI
Increased Operational Flexibility: PRI
Increased Water Conservation: SEC
Increased Water Recycling: PRI
Increased Groundwater Management: NA
Reduced Sea Water Intrusion: NA
Protect/Improve Drinking Water Standards: NA

Other:

Detention and Groundwater Recharge Benefit

Acres of land that drain into basin: -1
Detention Basin Area (acres): -1
Max Operational Depth (ft): -1
% Wetlands: 0
Soil Type: NA
Method and Recharge (AFY):
Estimated Annual Inflow (AFY): -1
Estimated Annual Outflow (AFY): -1

Beneficial Use Objectives

Create/Enhance Wetlands: NA
Restore/Protect Habitat: NA
Create Public Access/Rec/Open Space: SEC
Increased In-Stream Flow: NA
Other: NA

Flood Management Benefit Information

Max Storm Runoff Storage: -1
Max Conveyance Capacity: -1
Flood Protection Level: NA
Acres Benefitting: -1
Other: 0
Estimated Annual Flood Reduction Value: -1
Acreage Required for Implementation: -1

Water Supply/Demand Reduction Benefits

Surface Water Storage: FALSE Groundwater: FALSE
Groundwater Treatment: FALSE Recycled Water: TRUE
Reclaimed Groundwater: FALSE Conservation: FALSE
Ocean Desalination: FALSE Transfer: FALSE

Other:

Type of supply/demand reduction: NONPOT

Description:

Annual Yield of Supply (AFY):

Availability by water-year type (AFY)

Average Year: 2100
Dry Year: 2100
Wet Year: 2100
Other: 2100

Description:

Availability by season:

Summer: TRUE Spring: TRUE
Fall: TRUE Winter: TRUE

Has potential to displace demands on Bay/Delta/Estuary system: Y

Beneficial Use Benefit

Non-Treatment Wetland Acres: 0
Treatment Wetland Acres: 0
Riparian Habitat Acres: 0
Open Space Acres: 0
Multiple Use/Recreation Area
Single Sport Athletics Acres: 0
Multiple Sport Athletics Acres: 0
Other Recreation Acres: 0
Pedestrian Trail Acres: 0
Equestrian Trail Acres: 0
Other Acres: 0.5
Description: NA
Total Project Acres: 0

Other Benefits

This project provides multiple benefits including: increased water reliability, diversion of wastewater discharge to ocean, imported water and groundwater savings, and increased local production. This project will recycle approximately 2,100 AFY of treated wastewater effluent. 87 acres would be subject to green building review which would benefit a number of areas including water conservation, flood management, stormwater capture and management reuse, water quality protection and improvement.

Dominant existing land use type: PUB

Upstream/downstream land use type: RES

Addresses Environmental Justice issues: N

Within Disadvantaged Community: N

Disadvantaged Community Participation: N

Organization:

Submitted By: West Basin MWD and the City of Rolling Hills Estates

Regional Prioritization Evaluation and Scoring				
Framework Components	Screening and Scoring Methods			Project Scoring
Contribution to Planning Targets	Degree of Benefit			
	H (6 pts)	M (4 pts)	L (2 pts)	
Improve Water Supply - Total (AFY)	>1000	100-1000	<100	6
Improve Water Quality* (MGD)	>10	1-10	<1	2
Groundwater* (AFY)	>1000	100-1000	<100	0
Enhance Habitat (AC)	>10	1-10	<1	0
Enhance Open Space, Recreation (AC)	>10	1-10	<1	2
Other Regional Priorities	Yes/No Scoring			
	Y = 5 pts			
Multiple Sub-regions / Multiple Entities	Y/N			5
High Profile / Demonstration Project	Y/N			5
TOTAL	Out of 34			20

Readiness to Proceed Evaluation and Scoring					
Framework Components	Screening and Scoring Methods				Project Scoring
Documentation Progress	Degree of Completeness				
	H (6 pts)	M (3 pts)	L (0 pts)	N/A	
Conceptual Plans	C	IP	NI	NA	6
Land Acquisition	C	IP	NI	NA	6
Preliminary Plans	C	IP	NI	NA	6
Permits	C	IP	NI	NA	6
Construction Drawings	C	IP	NI	NA	6
Feasibility, Cost, Schedule, and Support	Defined Benchmarks				
	H (5 pts)	M (3 pts)	L (1 pts)	N/A	
Project Feasibility (0-3 Documents)	3+	2	1	NA	3
Cost-Share	>60%	40-60%	<40%	NA	0
Schedule - Construction Start	2008-10	2011-12	2013+	NA	0
Local Support	H	M	L	NA	0
TOTAL	Out of 50				33

Sub-Regional Prioritization Evaluation and Scoring			
Framework Components	Screening and Scoring Methods		Project Scoring
Prioritized Objectives	Weighted Yes/No Scoring		
	Rank (Wt.)		
Improve Water Supply	Y/N	1 (5 pts)	5
Improve Water Quality	Y/N	2 (5 pts)	5
Enhance Habitat	Y/N	5 (5 pts)	0
Enhance Open Space, Recreation	Y/N	4 (5 pts)	5
Sustain Communities	Y/N	3 (5 pts)	0
Other Sub-Regional Priorities	Yes/No Scoring		
	Y=4, N=0		
Critical Needs	Y/N		0
Disadvantaged Communities	Y/N		0
Conjunctive Use (Inc. Cleanup/WQ Mgmt)	Y/N		0
Recycled Water Expansion	Y/N		0
Water Conservation	Y/N		0
TOTAL	Out of 50		15

Summary Scores		
	Score	Rank
Regional Benefit	20	2
Sub-Regional Priorities	15	4
Total	0	0
Readiness to Proceed	33	2

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Project # 1225 Seawater Barrier Recharge Imported Water Replacement

West Basin Municipal Water District, Water Replenishment District, LACFD, City of LA
 17140 S. Avalon Blvd., Suite 210 Carson, CA
 90746

Marc Serna
 310-660-6213
 marcs@westbasin.org

www.westbasin.org

Partnering Agency: Water Replenishment District, Los

Project Description																											
<p>This integrated project combines Projects #225, #204, #211 and #116. The project will 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. It also involves treatment and injection into the Dominguez Gap Barrier of 2,000 AFY of groundwater that is currently extracted by CALTRANS along the I-105 freeway. Expansion of West Basin's recycled water distribution system to the Dominguez refineries will allow elimination of groundwater extraction by the refineries that contributes to seawater intrusion. The project also includes a telemetry component to ensure efficient seawater barrier operations.</p>																											
Project Integration		Project Need																									
West Basin MWD's Recycled Water Master Plan		<p>This project is needed to offset imported water use by replacing current use of imported water for injection into the West Coast and Dominguez Gap seawater intrusion barriers with recycled water and unused extracted groundwater. The project will also replace groundwater extractions at coastal refineries with recycled water, which will reduce the amount of injection required at the barriers and groundwater supplies with the use of recycled water. The project proposes to provide 100% recycled water for injection into the West Coast Barrier. Altogether, the project will create a total of 32,000 AFY of additional supplies.</p>																									
Cooperating Agencies		Location Description																									
Water Replenishment District Angeles Department of Water and Angeles County Flood Control D City of Los Angeles NA		Dominguez and Lower Santa Monica Bay																									
Associated Watersheds		Project Cost Estimate																									
DCW SMBW WB		Lower Estimated Total Capital Cost (\$): 35100000 Upper Estimated Total Capital Cost (\$): 79300000 Of total cost, estimated cost for land purchase/easement (\$): 2000000 Annual OM Cost (\$): 950000 Design Life of Project (years): 40																									
Is part of larger program?		Project Source(s)																									
TRUE		West Basin MWD's 2005 Urban Water Management Plan West Basin MWD's 2005 Urban Water Management Plan 2004 WRD Capital Improvement Program West Basin/Los Angeles Department of Water & Power Water Recycling Progr																									
		Sub-region(s)																									
		SO_BAY LOW_LA_RVR NA																									
Readiness to Proceed																											
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Construction Drawings	NOT_INIT	1/1/1753 12:00:																									
Funding	NOT_INIT	1/1/1753 12:00:																									
Proposed Start Date: 1/1/2009 Proposed Completion Date: 1/1/2011 Ready For Construction Bid: 1-3 Years																											
Water Quality Objectives		Water Quality Benefits																									
Improve Storm Water Quality: NA Improve Wastewater Effluent WQ: SEC Receiving Water Body Qual. Improvement: SEC Improved Flood Management: NA Ground Water Protection or Improvement: PRI Other:		Treatment Technology: Oxidation/filtration and GAC adsorptio Treatment Capacity (MGD): 29.7 Targeted Contaminants Metal: FALSE Pathogens: FALSE Nutrients: FALSE Trash: FALSE Pollutants: FALSE Other: TRUE Description: Treatment for iron and manganese and VOC removal - primarily TCE and cis-1,2-DCE. 10,000 AFY																									

Water Supply Objectives

Reduced Reliance Imported Water:	PRI
Increased Water Supply Reliability:	PRI
Increased Operational Flexibility:	PRI
Increased Water Conservation:	PRI
Increased Water Recycling:	PRI
Increased Groundwater Management:	PRI
Reduced Sea Water Intrusion:	PRI
Protect/Improve Drinking Water Standards:	NA
Other:	

Detention and Groundwater Recharge Benefit

Acres of land that drain into basin:	-1
Detention Basin Area (acres):	-1
Max Operational Depth (ft):	-1
% Wetlands	0
Soil Type	NA
Method and Recharge (AFY):	Injection (4,500)
Estimated Annual Inflow (AFY):	-1
Estimated Annual Outflow (AFY):	-1

Beneficial Use Objectives

Create/Enhance Wetlands:	NA
Restore/Protect Habitat:	NA
Create Public Access/Rec/Open Space:	NA
Increased In-Stream Flow:	NA
Other:	NA

Flood Management Benefit Information

Max Storm Runoff Storage:	-1
Max Conveyance Capacity:	-1
Flood Protection Level:	NA
Acres Benefitting:	-1
Other:	0
Estimated Annual Flood Reduction Value:	-1
Acreage Required for Implementation:	-1

Water Supply/Demand Reduction Benefits

Surface Water Storage:	FALSE	Groundwater:	TRUE
Groundwater Treatment:	TRUE	Recycled Water:	TRUE
Reclaimed Groundwater:	FALSE	Conservation:	FALSE
Ocean Desalination:	FALSE	Transfer:	FALSE
Other:	NA		
Type of supply/demand reduction:	POT		
Description:			
Annual Yield of Supply (AFY):	17500		
Availability by water-year type (AFY)			
Average Year:	32000		
Dry Year:	32000		
Wet Year:	32000		
Other:	32000		
Description:	Source water continually available from either deep well or dewatering well		
Availability by season:			
Summer:	TRUE	Spring	TRUE
Fall:	TRUE	Winter	TRUE
Has potential to displace demands on Bay/Delta/Estuary system:	Y		

Beneficial Use Benefit

Non-Treatment Wetland Acres:	0
Treatment Wetland Acres:	0
Riparian Habitat Acres:	0
Open Space Acres:	0
Multiple Use/Recreation Area	
Single Sport Athletics Acres:	0
Multiple Sport Athletics Acres:	0
Other Recreation Acres	0
Pedestrian Trail Acres	0
Equestrian Trail Acres	0
Other Acres	0
Description:	NA
Total Project Acres:	0

Other Benefits

This project provides multiple benefits including: preventing seawater intrusion, increased water reliability, diversion of wastewater discharge to ocean, imported water and groundwater savings, and increased local production. This project will recycle an additional 17,500 AFY of treated wastewater effluent and use 2,000 AFY of groundwater (currently being wasted to the ocean from dewatering operations) for direct injection into the West Coast and Dominguez gap seawater barriers. Recycled water would also be provided to Dominguez refineries to eliminate groundwater

Dominant existing land use type:	PUB
Upstream/downstream land use type:	NA

Addresses Environmental Justice issues:	N
Within Disadvantaged Community:	NS
Disadvantaged Community Participation:	NS
Organization:	NA

Project # 1225 Seawater Barrier Recharge Imported Water Replacement (Integration of Projects #225, #204, #211 & #116)

Submitted By: LA County Flood Control District, West Basin MWD, Water Replenishment District

Regional Prioritization Evaluation and Scoring				
Framework Components	Screening and Scoring Methods			Project Scoring
Contribution to Planning Targets	Degree of Benefit			
	H (6 pts)	M (4 pts)	L (2 pts)	
Improve Water Supply - Total (AFY)	>1000	100-1000	<100	6
Improve Water Quality* (MGD)	>10	1-10	<1	6
Groundwater* (AFY)	>1000	100-1000	<100	0
Enhance Habitat (AC)	>10	1-10	<1	0
Enhance Open Space, Recreation (AC)	>10	1-10	<1	0
Other Regional Priorities	Yes/No Scoring			
	Y = 5 pts			
Multiple Sub-regions / Multiple Entities	Y/N			5
High Profile / Demonstration Project	Y/N			5
TOTAL	Out of 34			22

Readiness to Proceed Evaluation and Scoring					
Framework Components	Screening and Scoring Methods				Project Scoring
Documentation Progress	Degree of Completeness				
	H (6 pts)	M (3 pts)	L (0 pts)	N/A	
Conceptual Plans	C	IP	NI	NA	6
Land Acquisition	C	IP	NI	NA	0
Preliminary Plans	C	IP	NI	NA	6
Permits	C	IP	NI	NA	6
Construction Drawings	C	IP	NI	NA	0
Feasibility, Cost, Schedule, and Support	Defined Benchmarks				
	H (5 pts)	M (3 pts)	L (1 pts)	N/A	
Project Feasibility (0-3 Documents)	3+	2	1	NA	1
Cost-Share	>60%	40-60%	<40%	NA	0
Schedule - Construction Start	2008-10	2011-12	2013+	NA	5
Local Support	H	M	L	NA	0
TOTAL	Out of 50				24

Sub-Regional Prioritization Evaluation and Scoring			
Framework Components	Screening and Scoring Methods		Project Scoring
Prioritized Objectives	Weighted Yes/No Scoring		
	Rank (Wt.)		
Improve Water Supply	Y/N	1 (5 pts)	5
Improve Water Quality	Y/N	2 (5 pts)	5
Enhance Habitat	Y/N	5 (5 pts)	0
Enhance Open Space, Recreation	Y/N	4 (5 pts)	0
Sustain Communities	Y/N	3 (5 pts)	0
Other Sub-Regional Priorities	Yes/No Scoring		
	Y=4, N=0		
Critical Needs	Y/N		0
Disadvantaged Communities	Y/N		0
Conjunctive Use (Inc. Cleanup/WQ Mgmt)	Y/N		0
Recycled Water Expansion	Y/N		0
Water Conservation	Y/N		0
TOTAL	Out of 50		10

Summary Scores		
	Score	Rank
Regional Benefit	22	1
Sub-Regional Priorities	10	5
Total	0	0
Readiness to Proceed	24	5