

**Greater Los Angeles Integrated Regional Water Management Plan
North Santa Monica Bay Steering Committee
Las Virgenes MWD
Calabasas, CA**

**Tuesday November 18, 2008
9:00 – 11:30 am**

Meeting Notes

Present:

Jan Dougall, Las Virgenes Municipal Water District
George De La O, LA County (phone)
Leighanne Reeser, West Basin Municipal Water District (phone)
Shirley Birosik, LA Regional Water Quality Control Board (phone)
Jamie Rinehart, Las Virgenes Municipal Water District
Daniel Pankau, City of Calabasas
Michael La Russa, City of Calabasas
Barbara Cameron, City of Malibu

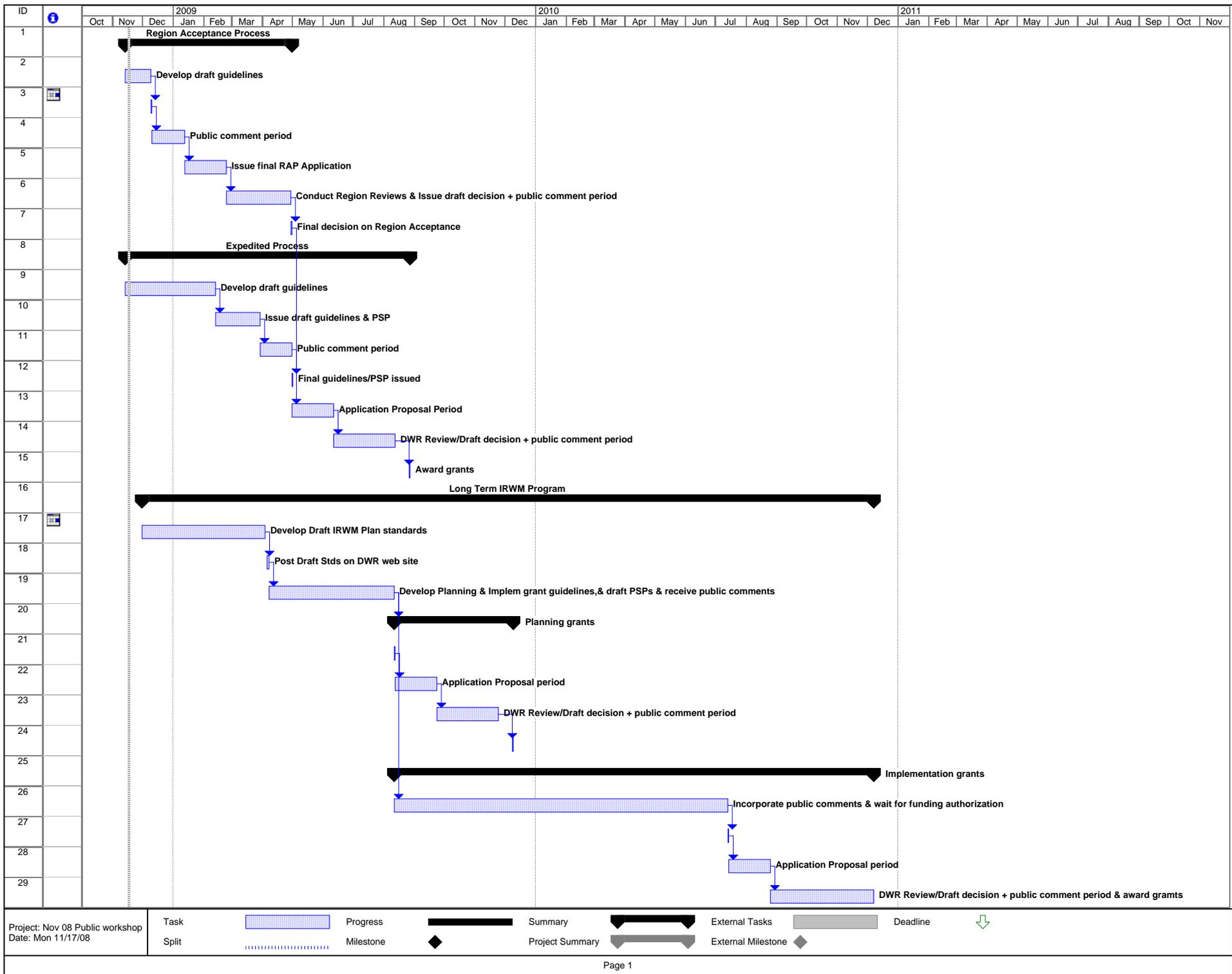
William Knebel, Westlake Lake Management Association
Bruce Hamamoto, LA County Flood Control District
Frank Kuo, LA County Flood Control District
Oliver Galang, LA County Flood Control District
Melinda Barrett, LA County Waterworks
Michael Hart, Malibou Lake
Joe Bellomo, City of Agoura Hills and City of Westlake Village
Randal Orton, Las Virgenes Municipal Water District

Agenda Item	Topic/ Issue	Discussion	Action Item/Follow Up
1	Welcome, Introductions	Barbara Cameron (temporarily filling in for Randal Orton) led the introductions	
2	October Steering Committee Meeting Notes	Minutes were approved with no corrections	
3	October Leadership Committee Summary	<p>Barbara began the overview of items discussed at the Leadership Committee meeting and the group discussed the following:</p> <ul style="list-style-type: none"> • Structure for implementation grant • 3 Ad Hoc committees were formed: Conservation, Disadvantaged Communities (DAC), other projects • For conservation projects there could be one large umbrella project • It is unclear at this time the format of the funding for these areas • Consultant contract for near-term SC support and longer-term 	

The Mission of the Greater Los Angeles County IRWMP is to address the water resources needs of the Region in an integrated and collaborative manner.

4	Selection of Representatives for Ad Hoc Committees	<p>Representatives were selected for the Ad Hoc Committees:</p> <ul style="list-style-type: none"> • Randal – water conservation, Melina – alternate • Barbara – other projects, Joe Bellomo – alternate • No DAC representative, since the NSMB is not pursuing DAC projects <p>The Leadership Committee wants to make sure that the Steering Committees still drive the process and that the Ad Hoc committees don't duplicate efforts. The purpose of the ad hoc committees should be understood.</p>	
5	Project Prioritization Process	<p>The latest schedule for DWR Prop 84 was distributed. The schedule relative to the NSMB SC project prioritization was discussed by the group.</p> <ul style="list-style-type: none"> • The first task is to get a handle on ownership of projects • We need to have instructions as to what to do with not real projects. • A “deletions” task force for basic project filtering was discussed – Barbara and Jan to help coordinate a meeting in advance of the next SC meeting • Oliver with County will be leaving and so Bruce will be attending future meetings. • Next SC meeting will go through remaining “not deleted” projects. The project lists will “complete” – “active” headers with date should be on the project lists. • Regional and full and active spreadsheets next time for people to review. 	Jan Dougall will organize by December 1 st .
6	Steering Committee Vice-Chair	Barbara Cameron was reappointed as Vice-Chair.	
7	Funding Contribution Status	A funding summary was provided to the group by Barbara and Leighanne. Overall, the NSMB is \$50K - \$60K short of sub-regional commitment.	
8	Outreach to Cities and Other Parties	Letter will go out this week that the Sub-Region will be entering the project prioritization phase, and the SC would like to engage those that have voting rights but have not participated. An internal review will be completed before distribution.	Randal to send letter for review and then distribution by 11/21
9	Other items	<p>Other items</p> <ul style="list-style-type: none"> • SC consultant participation will be extended until end of fiscal year. There will be a proposal provided at the LC for action on how to fund this extension. 	

		<ul style="list-style-type: none"> • IRWMP Workshop in Riverside today that Frank and others will be attending • No further meetings with Ventura groups have happened. Randal requested to those attending to please mention that there needs to be some IRWMP process funding. • Frank noted that recipients of Prop 84 IRWMP implementation funding will need to accept of guidelines that haven't been released yet. • Sustainable funding model will be discussed within the next 2 LC meetings. Items discussed: <ul style="list-style-type: none"> ○ Application grant funding could have a line item for administration or process. ○ Watershed council determination for those funds. ○ Problem is demand for integration but no funding to do it. ○ In-kind funding should be considered – need to raise issue again with DWR, but not likely. ○ Taking this issue to the round table of regions group. • Important to keep in mind that federal and other state grant programs are giving credit for those prospects on your IRWM list, so proponents should keep their real projects active for that reason. • Triennial review process is ongoing so there will be a RWQCB Workshop shortly. Projects addressing mineral and bacteria water quality may be priorities, so keep in tune with that process. There is a newly funded UC Santa Barbara water quality study. 	
10	Future Agenda Items, Items to Report at the November 26th LC meeting	This item was not discussed.	
11	Next Meetings	<p>North Santa Monica Bay Steering Committee December 16, 9:00 to 11:30 am Las Virgenes MWD</p> <p>Leadership Committee Meeting January 28, 2008, 9:30 am to 12:00 pm LA County DPW</p>	



North Santa Monica Bay Sub-Region Implementation Grant Schedule

	Dec. 2008	Jan. 2009	Feb. 2009	Mar. 2009
North Santa Monica Bay Steering Committee Meetings	Project filtering process	Prioritize Projects	Review projects relative to Draft Guidelines	
Project Workshops				
Leadership Committee Meetings		Sub-regional project presentation	Regional project list development	
Implementation Guidelines			Draft Released	Comments

DWR Prop 84 & 1E Workshop Overview

1) Region Acceptance Process

Issue draft guidelines for Region Acceptance Process	December 2008
Issue final guidelines for Region Acceptance Process	Late January 2009
Submit Region Acceptance Application	Late February 2009
Final Decision on Region Acceptance	April 2009

- Region must be approved as a Region to submit for grant funds.
- Process will include interview with the RWMG.
- Decisions on the Region Acceptance are planned to be made prior to the submittal deadline for the Expedited Implementation Grants.
- A Region need not be based solely on geographic feature. Other factors can use include water management issues, stakeholder composition, & water-related conflicts.
- If Region is not accepted at this time, they can try again for future grant cycle.

2) Funds Available

(a) Prop 84: SBxx1 appropriated \$181 million Statewide for IRWMP with \$100 million for implementation grants

- Grant Cap is 1/9 of Funding Area Allocation $\$215\text{m} / 9 = \$23,888,889$
- Funding Area Cap is 1/3 of FA Allocation $\$215\text{m} / 3 = \$71,666,667$
- Includes \$10m for DAC projects addressing water supply & water quality
- Includes \$20m for urban and agricultural water conservation (actual demand reduction)
- For Prop.84 Grant, application will not need to separate between DAC, Water conservation, and other IRWM projects. DWR will determine which project constitutes which pot of funds.
- Major consideration for the Grant will be Work Plan, Readiness, Budget, Need, Costs, Preferences, and Benefit to DAC.
- To qualify for implementation grant, IRWMP must meet provisions of the IRWM Planning Act Rewrite OR have an adopted Plan as of Sept 30, 2008 and agree to update IRWMP within 2 years.
- Applicants must comply with UWMP, GWMP, AB 1420 requirements, if the agency receiving funds has to meet such State mandates.
- Region will need to amend Plan with new project list prior to application.
- Beginning date for matching funds is still to be determined.

(b) Prop 1E: SBxx1 appropriated \$150 million Statewide for Stormwater Flood Management Projects w/Multiple Benefits

- \$100 million for flood control projects to addressing seismic safety issues
- Grant Cap is \$30m per project
- Multiple projects in an application are OK
- 1 PSP for both Prop 84 and Prop 1E.

(c) Timeframe for Implementation Grants

Issue draft guidelines for Implementation Grant	February 2009
Issue final guidelines for Implementation Grant	April/May 2009
Submit Implementation Grant Application	June 2009
Award Implementation Grants	August 2009

(d) Prop 84: Planning Grants \$39 million

Draft guidelines for planning grant	March 2009
Planning Grant Application Due	September 2009
Review/Draft decision and public comment period	November 2009
Planning Grant Funds	2010

Decision on Planning Grant will be independent of whether or not a Region is awarded an Implementation Grant.

(e) Prop 84: Future Implementation Grants in Summer 2010 or later

3) Identify Projects Now Through April 2009

(a) Prioritize Base on Best:

- Project
- DAC Project
- Water Conservation Project
- Flood Management Project
- Other Project (TMDL, Stormwater, etc.)

(b) Disadvantaged Community Projects

We have an "Adopted" Plan. Need to start the implementation "slowly."

(c) Need to have Funding Formula / Allocation Scheme to Subregions by end of February 2009

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
11537	Cheseboro Canyon Water Quality Improvement Project	City of Agoura Hills	Design and construction of a channel diversion structure, trash separator, pump station, and treatment system. The channel diversion will consist of an air inflatable rubber dam. The Trash separator will remove the larger trash before the effluent is pumped through the treatment system. The treatment system will consist of multimedia filters and a UV treatment to remove pollutants that may be present in the water. The water will be discharged back into the channel downstream of the diversion structure.								
				Notes:							
14090	De Anza Park Regional BMP	City Of Calabasas	This project will divert flows to a BMP infiltration facility. This site would be approximately 11 acres. Infiltration facilities would treat a tributary area of approximately 9,499 acres with a design flow rate of 8.2 cfs.		X						
				Notes:							
1308	Headwaters Corner at Calabasas	City of Calabasas and Mountains Restoration Trust	The project is a 12-acre environmental demonstration center surrounded by 100 acres of additional parklands. The center has 2 residential structures (one built circa 1895) adapted for re-use, and five representative ecosystems including wetland habitats along Dry Canyon Creek, a perennial headwater of the Los Angeles River within the Santa Monica Mountains National Recreation Area. Headwaters Corner will demonstrate a co-existence between people and land through responsible stewardship of the natural resources. The demonstrations will encompass the latest knowledge on BMPs, flood management, non-point source pollution controls, and water conservation. Educational opps will utilize the "systems approach" to reach understanding that our natural world is made up of a multitude of interacting parts that present themselves as whole, rather than discrete components. Passive recreation will include a cultural landscape and wildlife viewing. Trails will connect people with the National Recreation Area.	X							
				Notes:							
275	Broad Beach Stormwater Management	City of Malibu	Remove bottlenecks in stormdrains by replacing them with large connector pipes, create new stormdrain systems with more inlets, replace undersized catch basins, reduce spillover and runoff debris from watershed north of Pacific Coast Highway. Install "green street" and infiltration BMPS to reduce impacts of urban runoff on the near shore habitat.		X						
				Notes:							
276	Carbon Canyon Stormwater Management	City of Malibu	Contain and reduce spillover from Carbon Canyon watershed north of Pacific Coast Highway, collecting and implementing BMPs before discharging into Carbon Canyon Creek to prevent PCH flooding and urban runoff contamination of Santa Monica Bay.		X						
				Notes:							

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1716	Charmlee Park On-Site Structural BMPs	City of Malibu	Installation of cisterns, on-site storage and reuse facilities, and/or small scale capture and infiltration projects at the Chamlee Nature Center to capture wet-weather runoff and reduce bacteria loading.		X						
Notes:											
1379	Enhanced On-site Wastewater System Inventory	City of Malibu	Expansion of the Malibu Integrated Wastewater Management Information System (IWIMS) database to include systems installed before 1991.								
Notes:											
1367	Historical Ecology of Malibu Coastal Watersheds	City of Malibu	Research and report historical ecology in Malibu Coastal Watersheds to evaluate and bring to life, past human impacts to help current residents and visitors appreciate the importance of protecting the natural resources.								
Notes:											
282	La Costa Stormwater Management	City of Malibu	Contain and reduce spillover from Las Flores Canyon at Pacific Coast Highway, reduce runoff and debris from Las Flores Creek watershed, improve drainage facilities by constructing two new stormdrain systems with LID BMPs that will improve water quality.								
Notes:											
1576	Las Flores Creek Park On-Site Structural BMPs for capturing wet-weather run	City of Malibu	Installation of cisterns, on-site storage and reuse facilities, and/or small scale capture and infiltration projects within Las Flores Creek watershed to capture wet-weather runoff and reduce bacteria loading.								
Notes:											
284	Las Flores Land Acquisition	City of Malibu	Acquisition of an undeveloped residentially-zoned lot (APN 4451-019-022) from a willing seller on Las Flores Creek within the restoration zone. The lot is just under .5 acres and will be incorporated into the City of Malibu Las Flores Creek Park. If not purchased, the owners intend to sell and it will be developed and not accessible to the public. The creek stabilization and restoration plan has been designed by CH2M Hill in conjunction with Phillip William & Associates. The creek restoration project was initiated in 2007 and will be complete in 2008 with the exception of this parcel, if purchased. The asking price was \$300,000 in 2004.								
Notes:											

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1378	Lower Yamaguchi Property Acquisition	City of Malibu	Acquisition of approximately 10 acres of mostly undeveloped land in the Malibu Civic Center. This property has a small delineated wetland system that can be linked to other projects underway in the Civic Center. The parcel would allow provide additional stormwater detention and habitat restoration.		X						
				Notes:							
1366	Malibu ASBS Implementation Project	City of Malibu	Conduct marine assessments as required to meet ASBS objectives, implement strategies to reduce/eliminate urban runoff pollution through BMPs, monitoring and evaluation of BMP effectiveness.								
				Notes:							
1372	Malibu Civic Center Linear Park Expansion	City of Malibu	Construction of safe, permeable walking path from Webb Way to Malibu Canyon Road alongside BMPs to capture and treat stormflows before reaching existing storm drain systems leading to the ocean.								
				Notes:							
1705	Malibu Clean Water - In Your Neighborhood	City of Malibu	Bring the Clean Water message close to home through the classroom. Adapt a program to meet the new state Environmental Education Initiatives for K-12 by creating a curriculum that focuses on what children can observe in their own neighborhood.								
				Notes:							
1371	Malibu Equestrian Center Runoff BMPs	City of Malibu	Installation of BMPs to capture and treat runoff from the riding rings and parking lot. Equestrian owner education about proper care and maintenance of confined animal spaces to improve water quality in coastal streams.								
				Notes:							

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1704	Malibu Legacy Park Water Quality Management Program	City of Malibu	Project is a quintessential multi-benefit, integrated project. Overall program addresses five critical, regional issues: 1) bacteria reduction in stormwater treatment 2) nutrient reduction in wastewater management 3) restoration/development of wetland/riparian habitat 4) water conservation with water recycling and 5) development of open space for passive recreation trails and environmental education. Project includes constructing a detention system that will expand the capacity of a stormwater treatment facility from dry to wet weather flows. This augmentation will divert more stormwater from the existing flood control structures into vegetated wetlands to capture and treat urban runoff. Reusing treated runoff is a priority. Project includes construction of a wastewater reclamation facility, meeting Title 22 regulations, will remove nutrients to enhance groundwater that may affect Malibu Creek. The dispersal system will have no surface discharge so Legacy Park is needed for wastewater dispersal.		X						
				Notes:							
1365	Malibu NPDES Implementation Project	City of Malibu	Conduct special studies as required to meet TMDL objectives, implement strategies to reduce/eliminate urban runoff pollution through BMPs, monitoring and evaluation of BMP effectiveness.								
				Notes:							
1363	Malibu Recycled Water Delivery Project	City of Malibu	Installation of infrastructure to deliver recycled water from the planned Malibu Civic Center Reclamation Facility to reduce demand on potable water supplies.	X							
				Notes:							
290	Malibu Road Stormwater Management	City of Malibu	Reduce runoff and debris within the subwatersheds discharging into Malibu Lagoon. Reduce or redirect spillover from Pacific Coast Highway onto Malibu Road through the Malibu Colony Plaza. Possibly construct bioswales/infiltration trenches or other BMPs on northern side of Malibu Road to increase depth of flow channel and increase inlet capacity of some of the catchment systems.	X	X						
				Notes:							
1364	Malibu TMDL Implementation Project	City of Malibu	Conduct special studies as required to meet Clean Water Act regulations, implement strategies to reduce/eliminate urban runoff pollution through BMPs, monitoring and evaluation of BMP effectiveness.								
				Notes:							

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1380	Malibu Wastewater IWIMS Implementation	City of Malibu	Enhance the opportunities to improve operation and maintenance of Malibu on-site wastewater treatment systems using the database to improve user education and operating techniques as required.								
				Notes:							
1585	Paradise Cove Pretreatment and System Upgrade	City of Malibu	Provide pre-treatment pollutant removal and storage capacity to increase the functional capacity of existing bacteria treatment system and evaluate the potential for system upgrade.								
				Notes:							
1709	Peñuna Canyon Stormwater Management	City of Malibu	Contain and reduce spillover from Tuna Canyon at Pacific Coast Highway, reduce runoff and debris from Tuna Canyon Watershed, improve culvert crossings at PCH, improve low point drainage facilities.								
				Notes:							
1381	Small Wastewater Facility Development	City of Malibu	If there is a need identified in the future to replace aging onsite wastewater treatment systems and if the environmentally superior replacement option is to construct a shared treatment facility, the project would be for planning, design and construction.								
				Notes:							
1712	Topanga Beach Stormwater Management	City of Malibu	Improve stormwater management and flood prevention by redirecting storm flows from Pacific Coast Highway, collecting and implementing BMPs before discharging the urban runoff.								
				Notes:							
1369	Trancas Canyon Park Development	City of Malibu	Construction of trails, picnic areas, public parking lot and restrooms all designed with water quality and conservation practices.		X						
				Notes:							

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1370	Trancas Canyon Park Sports Field Development	City of Malibu	Proposed use of synthetic turf to eliminate the need for imported water and fertilizers.								
				Notes:							
1368	Trancas Canyon Park Stormwater Management Project	City of Malibu	Construction of stormwater detention devices, bio-swales or other BMPs to reduce runoff from park development.		X						
				Notes:							
1582	Trancas Canyon Park Wet-Weather BMPs	City of Malibu	Installation of cisterns, on-site storage and reuse facilities, and/or small scale capture and infiltration projects at Trancas Canyon Park to capture wet-weather runoff and reduce bacteria loading.		X						
				Notes:							
1373	Trancas Creek and Lagoon Acquisition	City of Malibu	Acquisition of undeveloped but degraded property from willing seller to be used for riparian habitat and wetland restoration project with public access amenities.		X						
				Notes:							
1374	Trancas Creek and Lagoon Restoration	City of Malibu	Bank stabilization and creek restoration along Trancas Creek north of Pacific Coast Highway.		X						
				Notes:							
1375	Trancas Creek Connector Trail Development	City of Malibu	Construction of multi-use trail with runoff BMPs from Malibu West residential community to Malibu Coastal trails and Morningview Drive.								
				Notes:							

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1713	Trancas Watersheds Integrated Water Plan	City of Malibu	Development in the Trancas Canyon area is proposed for single and multiple-family residences and commercial. Trancas Watershed Integrated Water Quality Management Feasibility Study to address the cumulative impacts of new development and opportunities for water conservation/recycling.	X							
Notes:											
1315	Equiestrian Facilities BMP Education Outreach	LA Trails Project	The equestrian Community is a frequent user along river washes. There may be some benefits for frequent visits that are not recognized by water management agencies, and that is the improved visibility gained from riding horseback. The equestrian community is often the first to note degradation in the water quality and can help to identify non-point sources of pollution because of the routes they travel. Propose to implement a similar project to the RCD document used in the Marin and San Francisco Bay area for the control of e.coli contamination from horse manure. Project BMP will include an EPA approval for the construction of on-site manure bunkers that do not contribute to non-point source pollution and management practices								
Notes:											
1094	AMR and AMI meter-reading system	Las Virgenes Municipal Water District	Automatic meter-readers and an automated meter-reading system will be installed in high water-use residential areas for eventual implementation throughout the district.	X							
Notes:											
8576	Automated Sewer By-Pass	Las Virgenes Municipal Water District	This project is to install an automatic valve or plug system at the manhole where sewage flow either is directed to the District's Tapia WTF or is allowed to flow to the City of Los Angeles's Hyperion WTF. This valve or plug will control flow to the City of Los Angeles, and to prevent unintended flows as needed. In addition, the locations and sizing of the pipes that connect the LVMWD and City of Los Angeles manholes will be evaluated to see if they can be improved.								
Notes:											
277	Construct advanced treatment facilities at Tapia WRF and Rancho Las Virgene	Las Virgenes Municipal Water District	This project will reduce nutrient concentrations in effluent from Tapia Water Reclamation Facility which receives centrate from the Rancho Las Virgenes Composting Facility in order to comply with the requirements established in the 2005 NPDES Discharge Permit limiting monthly average concentrations of 8 mg/l for nitrate plus nitrite, and 2.3 mg/l for ammonia. The target date for compliance with this Permit is May 17, 2010. The reductions in concentrations will be achieved through biological nutrient removal (BNR) processes that are similar to processes used in many other wastewater treatment facilities. Project work will include the following; 1) aeration basin modifications, 2) reaeration tank modifications, 3) secondary clarifier modifications, 4) installation of clarifier polymer feed system, 5) revisions to centrate feed system at Rancho Las Virgenes, and 6) other ancillary work at the plant, and								
Notes:											

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1088	Decker Cyn. recycled water system expansion - REW project 2	Las Virgenes Municipal Water District	The Decker Canyon recycled water pump station, pipeline, and tank would furnish recycled water primarily to Malibu Country Club Golf Course and Tract 47962-Sycamore Canyon Estates near the pump station location and other nearby ranchettes. The project would comprise a high-lift pump station, ~18,600 linear feet of pipeline along Westlake Blvd and Decker Canyon Rd, and a 60-foot diameter concrete tank near the corner of Decker Canyon Rd and Mulholland Hwy. The pipeline route along Westlake Blvd between Potrero Rd and Carlisle Rd would be common to another proposed recycled water project, Donnell Ranch Reservoir (Reservoir 4). Approximately 294 AF of recycled water per year would be used by								
				Notes:							
1089	LVMWD recycled water system expansion project 3 - Agoura Gap REW Extension	Las Virgenes Municipal Water District	Extend existing recycled water line along Agoura Road to serve existing customers using potable water for landscape irrigation								
				Notes:							
1090	LVMWD recycled water system expansion project 4 - Calabasas City Center REW	Las Virgenes Municipal Water District	Extend existing recycled water line along Mulholland Hwy east of Old Topanga Blvd to serve existing customers using potable water for landscape irrigation								
				Notes:							
14477	LVMWD Urban Runoff Team	Las Virgenes Municipal Water District	The Las Virgenes Municipal Water District will create an urban runoff team (perhaps equipped with jackets to denote their affiliation with the District) to approach over-irrigators with suggestions for improved gardening practices that reduce urban runoff. By partnering with local non-profits, the RCDSMM, secondary schools and universities, the District can create a fun, well-respected and effective group to help combat urban runoff and non-point pollution.	X							
				Notes:							
1087	Recycled Water Pipeline Within Thousand Oaks Boulevard to Russell Park	Las Virgenes Municipal Water District	The proposed project would extend the District's existing Western Recycled Water System westward within Thousand Oaks Boulevard to provide recycled water to Russell Park, Baxter, Westlake Hills Elementary, Westlake High School, and a few other large commercial and private users noted in the attachments. The project would include a total pipeline length of approximately 17,000 feet on which 8-inch and 10-inch diameter pipelines would be within Thousand Oaks Boulevard with 4-inch and 6-inch laterals along the main extension. A total of 27 potential users were identified in the Thousand Oaks Boulevard Recycled Water Service Feasibility Study and are listed in Table 3-1.								
				Notes:							

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
294	Recycled water storage and distribution system expansion	Las Virgenes Municipal Water District	This project includes the permitting, planning, design and construction of a 2,000 acre-foot recycled water storage facility, associated support infrastructure and distribution system expansions within the Las Virgenes Municipal Water District service area. The project would be completed in at least four phases. Phase I: Recycled water storage facility (open surface reservoir with earthen or roller compacted concrete dam); Supply pump station; 3 miles of supply pipeline Phase II: 1.5 miles of 10-inch distribution pipeline in the eastern portion of the District (40 AF/Yr of demand); 3.2 miles of 8 and 10-inch distribution pipeline in the western portion of the District extending into Ventura County (342 AF/Yr of demand) Phase III: Distribution system pump station at storage facility; 4 miles of distribution pipeline connecting storage facility and Indian Hills Tank (289 AF/Yr of demand) Phase IV: 9 miles of distribution pipeline in the southwestern portion of the District (373 AF/Yr of								
Notes:											
1091	Recycled water system expansion project 5 - 24" Las Virgenes Rd	Las Virgenes Municipal Water District	Construct 8,800 feet of 24-inch recycled water pipeline in and near Las Virgenes Road from Tapia WRF to Mulholland Highway, parallel to an existing 18-inch pipe. The pipeline alignment is mostly located in the public right-of-way, along Las Virgenes Rd, but would also traverse Tapia State Park to connect to the existing pipe stub near Malibu Creek. From Mulholland Highway to Reservoir No. 2 there is the original 16-inch pipeline which was paralleled with a 24-inch pipeline in 1989.								
Notes:											
298	Westlake Filtration Plant Enhancement & Backbone Improvements	Las Virgenes Municipal Water District	This project will enhance potable water delivery capacity to meet expected future demands; the system is currently operating at near capacity. A 5 MG finished water tank at Las Virgenes Reservoir will eliminate a potential storage deficit, will maintain necessary hydraulic gradient when the reservoir is being filled, and will obviate the need for even more extensive east-west transmission improvements. Filter plant expansion from 15 to 18 mgd will increase capacity to meet peak demands. A 16" intertie with Calleguas MWD will allow the reservoir to be filled in winter with their excess supply; an additional pump station will allow delivery to CMWD in emergencies. Several sections of transmission main will be paralleled with larger diameter pipe needed to meet peak demand to move water from east (MWD source) to west: an additional 24" pipeline from the west end of Calabasas Rd to Las Virgenes Rd, an additional 18" pipeline from the Cornell Pump								
Notes:											
1453	Public Cistern Projects	Los Angeles County Department of Public Works	The project will include the construction of three to five large public cisterns (100,000 gallon each). These cisterns will store stormwater runoff and reuse it for local irrigation.		X						
Notes:											

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1452	Residential Cistern Incentive Program	Los Angeles County Department of Public Works	The program is meant to provide an incentive to residents who install cisterns for storm water runoff.	X	X						
Notes:											
1454	Small-Scale Infiltration Projects	Los Angeles County Department of Public Works	Small projects designed to naturally retain and infiltrate storm water will be constructed throughout the North Santa Monica Bay.								
Notes:											
1508	SEPULVEDA FEEDER INTERCONNECTION	LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS, WATERWORKS DISTRICT 29-MALIBU	The water system improvements include the addition of 1,800 linear feet of 30-inch diameter water main and a pressure reducing station. The primary objective of this project is to introduce a new primary source of supply, to increase system reliability and provide redundancy to the District in case of emergency outages.								
Notes:											
1788	Chumash Park Infiltration	Malibu Creek Watershed Responsible Agencies	This project would include the construction of infiltration facilities on approximately 3.3 acres within Chumash Park. Infiltration facilities would treat storm water runoff from approximately 352 acres, with a design flow rate of 2.0 cfs.		X						
Notes:											
1795	Medea Creek Park Infiltration Basin	Malibu Creek Watershed Responsible Agencies	This project would include the construction of infiltration facilities on approximately 4.9 acres within Medea Creek Park. Infiltration facilities would treat storm water runoff from approximately 1,759 acres with a treatment flow rate of 3.5 cfs.		X						
Notes:											
1798	Reyes Adobe Park Subsurface Flow Wetland	Malibu Creek Watershed Responsible Agencies	Construction of a 1.6 acre subsurface flow wetland in Reyes Adobe Park. A Subsurface Flow Wetland maintains the water level below the surface of gravel or other media placed in the wetland bed.		X						
Notes:											

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1500	Cold Creek Preserve Acquisition, Enhancement and Restoration	Mountains Restoration Trust	Project will acquire the total of 98.90 acres from a single owner in the 243.47-acre reach of the Cold Creek High Trail (CCHT), a 1.6-mile segment of the 17-mile regional Calabasas/Cold Creek Trail. The Project's attributes include undeveloped land that is a natural open space and is in a wildlife corridor; protected lands adjoin the Project; over half of the CCHT is already in public ownership - 127.17 of the 243.47 acres have been acquired; eight plant communities, including a wetland, are represented along the 1.6-mile CCHT; short destination walks to a waterfall or a scenic overlook will be available; cost effectiveness since the trail is on an old roadbed, is in use, and is maintained by the equestrian community. Work included in the project includes control of invasive								
				Notes:							
1512	Commemorative Oaks	Mountains Restoration Trust	Commemorative Oaks is an oak and native plant restoration project in Malibu Creek State Park where volunteers are restoring the oak woodlands that once covered the Las Virgenes Valley.								
				Notes:							
1283	La Sierra Riparian Acquisitions	Mountains Restoration Trust	The general project concept is acquisition of 500 acres of undisturbed watershed supporting 6-7 tributary streams of La Sierra Creek, a Triunfo/Malibu Creek tributary, to protect a water supply to a lake, preserve wetlands, and reduce run-off, erosion and stream pollution. The immediate project proposes to acquire 2 parcels totaling 50 acres upstream from the lake (south of the lake). The remaining 450 acres are downstream from the lake (north of the lake). Acquisition will preserve function.								
				Notes:							
5548	Solstice Canyon Land Aquisition	National Park Service	Aquisition of properties totalling 338 acres in the upper watershed of Solstice Creek. The purpose is to futher protect this pristine watershed--one of only a few Santa Monica Mountain streams suitable for the endangered southern steelhead trout. This project site, which is accessible to over 30 million annual visitors to the Malibu coastline, would also further enhance existing recreational opportunities to an already popular day-use destination.								
				Notes:							
5648	Zuma Creek Watershed Restoration	National Park Service	Zuma Canyon at the end of Bonsall Drive in Malibu, Calif.								
				Notes:							

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1281	Solstice Creek Steelhead Access	National Park Service, Caltrans, City of Malibu	Solstice Canyon is a relatively pristine watershed with year-round availability of water and a mature sycamore and alder riparian canopy. NOAA Fisheries completed a habitat feasibility study in 1998 identifying Solstice Creek as potential habitat for the endangered southern Steelhead Trout. Only migration barriers such as dams, culverts and water/road crossings prevented that migration from occurring. So, the National Park Service (NPS), City of Malibu, Caltrans and many partners began removing these barriers in 2005. The first two phases have been completed; NPS has removed all barriers in the upper watershed and the City of Malibu replaced their culvert with a natural bottom culvert. Caltrans has a tentative implementation date planned to modify the culvert at Pacific Coast Highway. This final phase involves creating cutting the bottom of the existing culvert and creating a series of rock weirs from the beach up through the culvert.								
				Notes:							
8554	Go Wild: Nativescaping in the Mountains	Resource Conservation District of the Santa Monica Mountains	Go Wild: Nativescaping in the Santa Monica Mountains is a project that would be in partnership with the RCDSMM and Las Virgenes Municipal Water District, which would also be in support of their Urban Runoff Reduction Program. It would have six major components: -- Developing a grant program similiar to that of City of Santa Monica Mountains to co-fund homeowners in xeriscaping/nativescaping redesigns on their properties. -- Aforementioned homeowners' redesigned gardens would be featured in an annual garden tour -- Creation of a demonstration garden at the Peter Strauss Ranch (the RCDSMM headquarters, an NPS property) --Development of a Native Plants Team which would remove invasive species and put in Native Plants -- Creation and distribution of a film about Native Plants -- Outreach to each home targeted by the URRP to promote nativescaping and affiliated BMPs	X							
				Notes:							
8776	RCDSMM Watershed Center	Resource Conservation District of the Santa Monica Mountains	Clark Stevens is an award-winning green architect based out of Topanga who wants to take an abandoned lot with dysfunctional creeks adjacent and restore the creeks, build some commercial, possibly residential units and restore hte rest to open space with Nativescaping. He is interested in partnering with the RCDSMM to help build a Watershed Center which would become a teaching tool for many decades to demonstrate effective, reasonably priced, graceful BMPs to local homeowners. Site is still under negotiation.	X							
				Notes:							
1791	Lake Lindero Country Club Infiltration	Responsible Agencies in the Malibu Creek Watershed	Construction of a 3.2 acre infiltration basin at the Country Club. An infiltration basin is a shallow impoundment that is designed to infiltrate stormwater into the soil.		X						
				Notes:							

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1793	Las Virgenes Creek Infiltration Basin at De Anza Park	Responsible Agencies in the Malibu Creek Watershed	Construction of a 10.9 acre infiltration basin on an agricultural parcel near De Anza Park. An infiltration basin is a shallow impoundment that is designed to infiltrate stormwater into the soil.		X						
Notes:											
1794	Liberty Canyon Creek Subsurface Flow Wetland	Responsible Agencies in the Malibu Creek Watershed	Construct a 3.6 acre subsurface flow wetland on a privately owned parcel adjacent to Liberty Canyon Creek. A Subsurface Flow Wetland maintains the water level below the surface of gravel or other media placed in the wetland bed.		X						
Notes:											
1797	Oak Canyon Community Park Subsurface Flow Wetland	Responsible Agencies in the Malibu Creek Watershed	Construct a 3.5 acre subsurface flow wetland in Oak Canyon Community Park. A Subsurface Flow Wetland maintains the water level below the surface of gravel or other media placed in the wetland bed.		X						
Notes:											
1799	Sumac Park Infiltration Basin	Responsible Agencies in the Malibu Creek Watershed	Construct a 1.4 acre infiltration basin at Sumac Park An infiltration basin is a shallow impoundment that is designed to infiltrate stormwater into the soil.		X						
Notes:											
1800	Three Springs Park Subsurface Wetland	Responsible Agencies in the Malibu Creek Watershed	Construct a 0.8 acre subsurface flow wetland in Three Springs Park. A Subsurface Flow Wetland maintains the water level below the surface of gravel or other media placed in the wetland bed.		X						
Notes:											
1801	Triunfo Channel Infiltration Basin	Responsible Agencies in the Malibu Creek Watershed	Construct a 4.9 acre infiltration basin at Berniece Bennett Park. A free surface flow (FSF) wetland, exposes the water surface in the system to the atmosphere. Various activities to be undertaken to improve the riparian areas.		X						
Notes:											

North Santa Monica Bay Sub-Region
Active Projects - 12/11/2008

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
9227	Upper Las Virgenes Creek at Mtn View Estates HOA	Responsible Agencies in the Malibu Creek Watershed	Construction of a 1.5 acre detention wet pond at the upstream end of PD 1726. A free surface flow (FSF) wetland, exposes the water surface in the system to the atmosphere. Various activities to be undertaken to improve the riparian areas.		X						
Notes:											
1802	Upper Lindero Creek at County Line - Infiltration Basin	Responsible Agencies in the Malibu Creek Watershed	Construction of a 7.8 acre infiltration basin along Upper Lindero Creek at the County Line. An infiltration basin is a shallow impoundment that is designed to infiltrate stormwater into the soil.		X						
Notes:											
1803	Upper Lindero Creek Subwatershed Infiltration Basin	Responsible Agencies in the Malibu Creek Watershed	Construction of a 13.2 acre infiltration basin at Valley Oaks Memorial Park An infiltration basin is a shallow impoundment that is designed to infiltrate stormwater into the soil.		X						
Notes:											
1260	Commercial Laundromat Incentive Program	West Basin Municipal Water District	This is a new program that offers substantial incentives from multiple utilities (The Gas Company, Southern California Edison, and the Metropolitan Water District of Southern California) to replace non-efficient washers and dryers with more water and energy efficient devices. Some utilities currently provide funding for energy-efficient washer machines, so additional funding will expand the program to allow for more rebate incentives. Approximately 60 commercial laundromat sites have been identified within West Basin's service area that could participate in the program.	X							
Notes:											
5479	Commercial, Industrial and Institutional Incentive Program (Recirc & Save)	West Basin Municipal Water District	This is a new program that provides prescriptive incentives for installation of conductivity and pH controllers and process water equipment. Funding for this program will allow the District to hire a vendor to perform a water audit of the CII users'™ equipment and educate them about the rebates available for equipment that conserves water. The benefits would include a reduction of wastewater generated, benefiting the County Sanitation Districts of Los Angeles County, and potable water used. Partners will include Metropolitan Water District of Southern California, and West Basin's customer agencies. This project duration is for a period of two years but can be extended with additional funding.	X							
Notes:											

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1250	Complete Restroom Retrofit Program	West Basin Municipal Water District	This program provides free hardware devices for commercial and public facility restrooms including high-efficient toilets, waterless urinals, and sensor faucets. This program is currently being implemented with a State grant but on a small scale. Additional funding is needed in order to retrofit more locations and ultimately save more water. This project will have the involvement of the local businesses and public facilities within West Basin's service area. Their indoor restroom devices will be upgraded with the highest efficiency devices including high-efficiency toilets, waterfree or waterless urinals, and sensor faucets. This program is already being implemented in approximately 248 throughout restrooms the service area and has been so successful that we would like to extend the program to include more businesses and public facilities. This program not only provides the devices free of charge, but also the installations.	X							
Notes:											
11291	Food Facilities Audit, Incentive and Training Program (Cash for Kitchens)	West Basin Municipal Water District	This program would target large to medium sized food service facilities to market water efficient equipment to replace older existing equipment and promote water saving training. West Basin proposes to conduct audits of the food service facilities to provide the customer with a quick summary of water saving and energy saving recommendations. Some of the recommendations can be implemented immediately, such as minor leak repair, aerator and pre-rinse spray head replacement while others would be long term changes including investment in equipment upgrades. Recommendations could also include conducting training in both English and Spanish to assist staff to use existing equipment as efficiently as possible.	X							
Notes:											
13959	Hotel Restroom Retrofit Program	West Basin Municipal Water District	The project will assist hotel facilities financially to encourage them to retrofit older, inefficient fixtures. Fixtures can be found in lobby areas (usually flushometer type toilets), in-room bathrooms (tank-type toilets) and in staff areas (back of the house, type of toilet may vary). Technical assistance will be provided to hotel management applying for rebate incentives. MWD provides a baseline incentive of \$165 for High-Efficiency Toilets and \$400 for Ultra Low to Zero-Water Urinals. Additional incentives will be funneled through MWD's existing channels to streamline the process for customers and ensure readiness to implement. This project would increase water-use efficiency in the West Basin service area and would also help meet BMP #9, Conservation Programs for CII accounts would be addressed through this project. The project will also increase public awareness of water conservation practices and make device retrofit more accessible to hotel facilities in West Basin's service area.	X							
Notes:											

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1258	Irrigation Equipment/Water Budget Program	West Basin Municipal Water District	This program offers landscape audits and customized incentives for matching heads, pressure regulators and weather-based irrigation controllers for customers including multi-family, commercial, industrial and institutional and provides water audits on the landscape sites. The water budgets will be created and the budget and a listing of recommended equipment upgrades will be given to the large landscape customers. The targets sites will have a landscape area of one acre or greater. This project is currently a pilot project that West Basin is conducting with funding assistance from Metropolitan Water District. The Pilot project will take place within one year, through end of 2008. Since this project has been successful, additional funding will be needed to expand this project to more participants that will result in additional water savings.	X							
Notes:											
1264	Residential High-Efficiency Clothes Washer Rebate Program	West Basin Municipal Water District	This program provides rebates to residents for high-efficiency clothes washer machines. This program has both water and energy savings components. The Metropolitan Water District of Southern California currently provides rebates in the amount of \$135 per washer machine. This program would continue the rebates but matching Metropolitan's amount of \$135 for a total amount of \$270 per washer machine. This program would provide 2,000 rebates per year at approximately \$270,000 for a total of \$540,000. The water savings amount to approximately 36 acre-feet per year.	X							
Notes:											
13823	Residential Indoor Plumbing Retrofit Kits	West Basin Municipal Water District	West Basin would like to expand its exiting project to educate and mobilize a larger student population to conduct 20,000 residential water and energy audits and to install water and energy retrofit devices in their households over a 2 year period. The total project cost is \$932,960 to supply educational device retrofit kits to 20,000 students during the 2-year period. The average cost for each audit and retrofit kit is \$43.00. Typically, this includes teacher resource materials, audit directions, recordkeeping booklet and water saving devices including 1 high-efficiency shower head, 1 kitchen faucet aerator, 2 bathroom faucet aerators, 1 packet of leak detection tablets, 1 leak detector calculator, 1 flow rate test bag and 1 water temperature check card. Energy saving devices typically includes 1 CFL bulb, 1 Limelite night light, and 1 Filtertone alarm. In support of educating students on the connection between water and energy savings, Edison and The Gas Company will contribute matching funding	X							
Notes:											
1270	Supermarket Retrofits	West Basin Municipal Water District	This is a new program that will provide and install free pre-rinse spray valves, high-efficiency toilets, waterfree urinals, and waterbrooms for supermarkets and food stores. This program has been identified in West Basin's Conservation Master Plan as having the potential to conserve 12 acre-feet per year. West Basin would partner with its customer agencies to identify facilities to participate and help pay for the local cost share.	X							
Notes:											

ID #	Title	Agency	Description	Cons.	Flood	Total Project Cost	Matching Funds	Funds Needed (Min. Accepted)	Env. Doc.	Benefits	Readiness to Proceed & Start Date
1268	The Green Garden Program	West Basin Municipal Water District	West Basin will implement the "Green Garden Program," a Residential Landscape Survey and Smart Irrigation Controller Exchange Program to customers within its service area. This program involves four phases: pre-installation site surveys, Smart Irrigation Controller Exchange Events (including a 1-hour training session), a post-installation site visit, and water savings verification research. The pre-installation site survey will pre-qualify the resident for an irrigation controller and rotating sprinkler nozzles and provide irrigation and landscape recommendations. The Exchange Event will allow the pre-qualified resident to exchange their old controller for a new controller, receive up to 11 nozzles and a 1-hour training course on programming the controller. The post-installation site visit verifies that the new controller and the rotating nozzles were installed properly and if they weren't, the vendor will correct the problem. This program is expected to generate 67 acre-feet per	X							
				Notes:							
1254	Water & Energy Efficiency Multi-Family Program	West Basin Municipal Water District	This program will directly install both water and energy efficiency devices in multi-family dwellings. Replacement includes: 3,000 HETs (1.28 gallons per flush), that replace older 3 - 5 gallon toilets; 9,000 13Watt twist CFL bulbs; 3,000 (1.5 GPM) Low-Flow Showerheads, 3,000 (1.5 GPM) Kitchen Aerators and 3,000 (1.0 GPM) Bathroom Aerators. The program will also disseminate conservation education literature, thus providing a "full service" water and energy efficiency program. Based on the demographics and rate of natural replacement and saturation data collected within West Basin's service area, there is an opportunity to reach over 77,000 multi-family dwelling units in West Basin and roughly 10,000 in the City of Torrance. 3,000 HETs will save an estimated 176 AF of water per year. Also, additional water will be saved (335 AF over the useful life) by providing multi-family dwelling units with water conservation educational materials, and water efficient	X							
				Notes:							
11294	Zero-Runoff Street Median Water Conservation Program	West Basin Municipal Water District	The Zero-Runoff Street Median Water Conservation Program (Program) will specifically target street medians by developing a simple grant program within West Basin's service area to reduce water use and improve irrigation practices on street medians. Cities will be asked to propose designs to retrofit existing street medians using the "zero-runoff" concept. This concept replaces existing median vegetation or irrigation with any of the following components to provide a zero net runoff: artificial turf, porous cover, native and/or drought tolerant plants, drip irrigation, and/or Smart Irrigation Controllers. Under this pilot program, a team convened by West Basin will review proposed designs and fund grant applications that provide the maximum reduction in water use (with a minimum reduction of 50%) and zero runoff. It is proposed that fifty percent of the costs be awarded up-front and the other 50% of the costs reimbursed upon project completion.	X							
				Notes:							