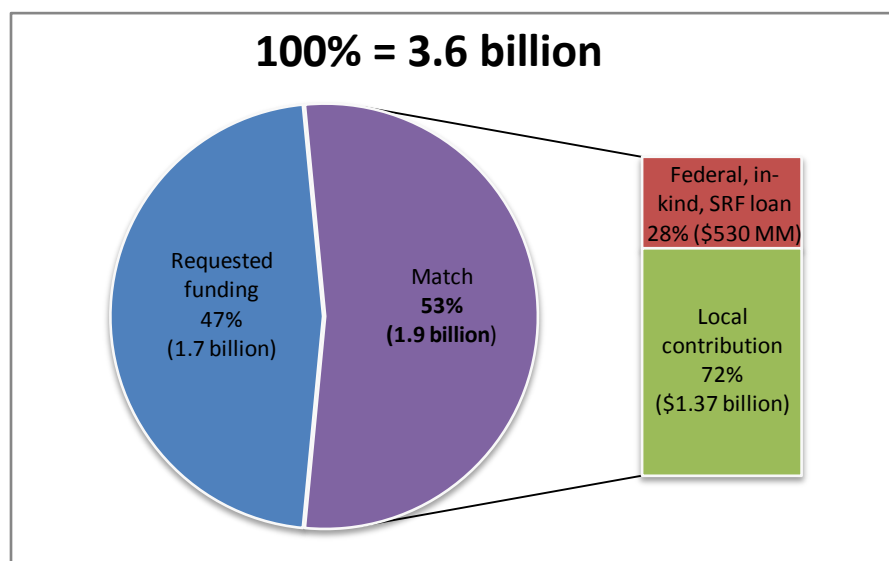


Chapter 2 Funding

One of the biggest challenges to attaining true water sustainability in the Watershed is obtaining sufficient funding for planning and implementation of multi-benefit, multi-use integrated projects. Funding can come from a variety of sources including agency resources such as utility user fees and general revenues, funding available through regional agencies such as MWD for conservation and local resource projects, federal funding, state grant funding such as Proposition 84, and loans such as the State Revolving fund.

Integrated Regional Planning efforts conducted by SAWPA have been funded by the SAWPA member agencies. Integrated planning is listed as a line item and approved as part of the planning budget. The bottom-up approach of the OWOW plan was different. SAWPA contributed significant resources for support and facilitation of both the Steering Committee and the Pillars, but the watershed level analysis and goal setting was completed by a diverse group from across the watershed. Some participated as part of their assigned agency duties and some participated on their own time. As the scope of OWOW broadens, it will be a challenge to develop further funding sources that reflect the current broad view. The decision of water supply agencies to fund the support and facilitation of the entire process will be made each year by the SAWPA Commission.

Individual agencies have planned for the projects included in this Plan through their individual Capital Improvement Programs and through collaborative planning activities. This planning has included financial planning to ensure project implementation within a time period that yields the highest level of benefit in terms of efficiency, economies of scale, and cost avoidance. While significant seed money and partnerships currently are in place for various water projects in the Watershed, there are many more projects, both large and small that will require funding.



The year 2000 estimate for the complete ten-year Santa Ana Integrated Watershed Plan (IWP) was \$3 billion dollars. In review of recent sub-regional IRWMPs funding needs, the combined estimated investment is over \$3.6 billion dollars.

A total of 297 projects are included in this Plan, with a combined capital cost of \$3.6 billion, which confirms previous estimates. Nevertheless, the total need in the Watershed is likely to exceed this amount, as probably not all projects needed by individual agencies were submitted in the call for projects.

It should also be noted that the integration of projects on the list into more integrated projects may result in significant cost savings. Early estimates show that multi-benefit projects can save 33% over single purpose projects.

Projects in the Plan range in capital cost from \$80,000 to \$133 million, with an average cost of \$12.2 million. Project applicants are requesting grants for \$1.7 billion, while the remaining \$1.9 billion would be funded through a combination of local contributions, federal grants, and SRF loans (see following chart). The amount of grant funding requested is much higher than the funds allocated to the Watershed of \$114 million.

Operation and maintenance costs (O&M) of proposed projects are not eligible for grant funding. A more detailed evaluation of the financial sustainability of proposed projects will be conducted as part of the economic analysis in the DWR Prop 84 IRWM Implementation grant application defined under the Proposal Solicitation Packages (PSPs).

Table 2.1 at the end of this chapter lists the projects, their anticipated costs, and requested grant funding. In addition to funding for project implementation, SAWPA is exploring funding opportunities for planning work through other State and Federal funding sources. This funding could be used for future updates of the OWOW Plan. In addition to SAWPA, individual agencies within the Watershed are likely to pursue grant funding for a variety of planning efforts. SAWPA would complement any planning grants with its own funds obtained from member agencies. The following section summarizes previous funding opportunities that may be replicated for funding the Plan's projects in the future, as well as anticipated sources of funding to meet the anticipated funding structure of each project.

Certainty of Funding

As described in more detail in Chapter 7, candidate projects were evaluated in two phases. First, all applications received were reviewed to determine inclusion in the Plan, resulting in the list of 297 projects. Then, all projects were ranked for their ability to address the objectives of the Plan. Information for the highest-ranked projects was validated via further analysis and interviews with project sponsors. Based on this review, the financial information provided appears to be reasonable.

During the preparation of DWR Prop 84 IRWM Implementation grant application defined under the Proposal Solicitation Packages (PSPs) for specific funding opportunities, the certainty of the proposed funding will be evaluated in more detail for each project as part of the required economic analysis.

Previous Funding Success

Through the efforts and planning foundation of the Santa Ana IWP, SAWPA has been remarkably successful in moving rapidly into project implementation since the passage of the State of California Proposition 13 Water Bond in March 2000. This includes contracting with the State Water Resources Control Board (SWRCB) to use \$235 million in Proposition 13 Water Bond funds, matched with over \$565 million in local agency funds, to construct over \$800 million in projects that directly support the Santa Ana IWP.

Based on the State project goals for Proposition 13, SAWPA, the SWRCB, and the watershed stakeholders ultimately approved approximately 25 projects. The majority of these projects were for water supply and water quality improvements, with approximately \$25 million set aside for environmental and habitat enhancement projects. Of these monies, about \$20 million was designated for the SCIWP Arundo Removal Program and \$5 million has been designated for the Irvine Ranch Water District (IRWD) Natural Treatment System. Together, these projects have generated approximately 300,000 acre-feet (AF) of new water supply for the region at a cost to the State of less than \$100 per AF, and improved water quality in Newport Bay. Long term, the region proposes to store upwards of 1,000,000 AF of new water supplies, sufficient to withstand a multi-year drought without having to import water.

Use of SCIWP funds in the Watershed allowed partner agencies in the Watershed to effectively leverage State funds to implement water projects providing tremendous benefits for our region. Under the Proposition 13 Water Bond SCIWP program, \$235,000,000 in grant funds was matched by local funding of \$624,121,000. In essence, this is a leveraging factor of State fund use of 2.66 (for every dollar of state grants provided, \$2.66 local dollars were used to implement the projects). The \$235 million created 291,620 acre-feet per year (AFY) of new water for the region. The process of construction created 12,875 new jobs based on a ratio of 15.6 jobs/\$1 million cited in the U.S. Bureau of Economic Analysis for the Inland Empire Model.

In 2002, the voters approved another water bond called State Proposition 50 IRWM program, which provided over \$500 million for IRWM projects. Through a competitive grant application process, SAWPA was successful in being selected to receive \$25 million from the IRWM. The SWRCB contract to implement the water resources projects in the Watershed was executed in March 2008. The local funding that will be provided to implement several major water resource projects in our region will amount to \$229,661,000. This is a leveraging factor of State fund use of 9.19 (for every dollar of state grants provided, \$9.19 local dollars will be used to implement the projects). It is projected that the \$25 million from Proposition 50 will provide a savings of 32,280 AFY of potable water, newly recycled water supplies of 16,700 AFY, an additional recharge capacity of 257,000 AFY, and 600 acres of new riparian habitat throughout the Watershed. The economic impact from new jobs created by construction is significant with an estimated 3,975 new jobs.

Moving into the future to meet increasing water demands in this region will allow for more funding opportunities to arise for the implementation of projects to achieve Watershed sustainability. Often, these funding opportunities are directed to a specific resource management strategy or policy issue, so projects that may rank highest in importance or priority in the Watershed, as viewed by the water stakeholders, may or may not be the first to be funded. Consequently, the region will need to remain flexible in pursuing funding when it becomes available, keeping the larger picture of a sustainable, drought proofed, salt balanced region that supports economic and environmental vitality as the long-term goal.

State Bond Funding

Of the many funding opportunities that may provide the most funding flexibility to the region in the near-term is a State bond measure described as Proposition 84 - The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006. This bond measure was passed by the State of California voters in November 2006 and provides \$5.388 billion to support various water resource needs in the State. State grant funds are available for several water resource needs, as delineated in different chapters of the Act.

Chapter 2 of the bond measure authorizes \$1 billion for the IRWM Program. The bill defined an allocation statewide among 11 funding areas. The SAR Region will receive Proposition 84 funding in the amount of \$114,000,000.

This link to **Table 2.1** provides a map of where in the Plan the different IRWM Plan Standards, per Proposition 84 Guidelines, are located.

In addition to Chapter 2, there are several other chapters of Proposition 84 that could provide funding for specific projects within the SAR Region. Specifically:

- Chapter 3 directs \$275 million to flood control projects and \$40 million for flood protection corridor projects.
- Chapter 5 designates \$18 million for an urban streams restoration program, and \$90 million for a stormwater grant program to protect lakes, streams and rivers.

These grant programs largely are competitively available statewide, but would help provide supplemental funding to various projects in the region that meet the specific program guidelines.

Before funds from Chapter 2 could be used, however, the State legislature needed to appropriate funding for the authorized bond measures under Proposition 84 passed by voters in November 2006. In September 2008, funds were appropriated by the State Legislature for the Proposition 84 IRWM under SBxx1 appropriations. This first appropriation is considered an initial funding round for the program. Under this appropriation, \$181,791,000 will be provided for implementation (\$100,000,000), planning (\$39,000,000), inter-regional projects (\$22,091,000), and program delivery (\$20,700,000). Based on preliminary feedback from DWR, the administering state agency for the IRWM program, the \$100,000,000 for implementation will go to those regional water management groups that have prepared and adopted an IRWMP, and will meet the DWR guidelines for the funding. Draft guidelines were issued in March 2010 and are the basis for the documentation of the OWOW Plan.

In addition to Proposition 84, SBxx1 appropriation also includes funding for Proposition 1E – Disaster Preparedness and Flood Prevention Act. The original Proposition 1E bond measure authorized \$4.1 billion. Under SBxx1, \$150,000,000 was appropriated for seismic strengthening (\$100,000,000), combined sewer systems (\$20,000,000), urban stream stormwater flood management (\$20,000,000), general stormwater flood management (\$5,500,000), and program delivery (\$4,500,000).

Because both Propositions 84 and 1E have as a requirement the development of or coordination with IRWMPs, the DWR will administer the programs in a combined process. Under this program, DWR has proposed an expedited round of funding so that projects can be implemented quickly. Major considerations for funding will include availability of a work plan, a budget, readiness to start, projects of need, costs defined, preferences stated, and benefits described. One of the primary focuses of the expedited funding will be support for critical water supply or water quality needs for disadvantaged communities. At least 10% of the \$100,000,000 of the Proposition 84 implementation funding must be directed to disadvantaged communities. In addition, at least 20% must be directed to agricultural and urban water conservation projects necessary to meet the Governor's goal for 20% water demand reduction by the Year 2020.

For the SAR Region, the possible funding that may be available under SBxx1 for Proposition 84 expedited funding could range from \$12,666,667 to \$38,000,000 depending on the success of funding in other funding areas. For Proposition 1E, the funding cap is \$30 million per project. Future rounds of funding will support planning grants for continued IRWM planning development and more implementation grant funding may be available in 2011. It is envisioned that many of the priority projects that are identified by the OWOW Steering Committee will be funded for implementation in the SAR Region.

In mid-2009, concept proposals were requested from DWR under Proposition 84, Chapter 5, Stormwater Grant Program (SWGPP). \$90 million was authorized toward the reduction and prevention of stormwater contamination of rivers, lakes, and streams. Five percent of these funds are reserved for assistance to disadvantaged communities. Ten percent of the authorized funds can be used to finance planning and monitoring necessary for the design, selection, and implementation of SWGPP projects. The SWRCB will be distributing the funds under two rounds of funding, \$45 million each.

Draft guidelines for the SWGPP indicate that the local match of 5%, 10% or 20% is dependent upon whether the communities supported are small and severely disadvantaged, small and disadvantaged, or other, respectively. The minimum grant is \$250,000 per project, and the maximum grant amount is \$5 million per project. Eligible projects include Low Impact Development (LID) projects that help control runoff and those projects that help comply with Total Maximum Daily Load (TMDL) requirements for contamination arising from pathogens, metals, and trash pollutants.

Other sources of State funding include the Water Use Efficiency Program, which currently is administered by DWR and is funded through various bond initiatives, and provides grant funding for agricultural and urban water conservation programs. DWR's Assembly Bill 303, Local Groundwater Assistance Program, funds groundwater management, data collection, modeling, monitoring, and assessment programs.

State Loan Programs (State Revolving Fund)

Other State grants and various loan programs also are available under the State Revolving Loan Program, Agricultural Water Conservation Loan Program, and other sections of Proposition 84. It was through the State Revolving Loan Program that the majority of the Santa Ana Regional Inceptor (SARI) was constructed to transport high saline brine from the Watershed to the ocean after treatment. Over \$60 million in loans have been received by SAWPA alone to accomplish this major infrastructure facility that is so vital to water quality improvement in the Watershed. Other agencies have had similar successes building infrastructure projects using these funding sources.

On September 26, 2008, the United States Congress introduced the Economic Stimulus Bill, H.R. 7110 – Job Creation and Unemployment Relief Act of 2008 (bill). This bill was to address the nation's need to bolster the economy and create jobs. In the current bill, Title I, Chapter 2, explains utilization of the Federal Capitalization Grants for State Revolving Funds pertaining to water and wastewater infrastructure. The California Clean Water State Revolving Fund would receive an amount in excess of \$450 million; however, the total allotment could increase. Once enacted, fund priorities will focus on "shovel-ready" projects that would create jobs immediately. These additional funds may provide a source of funding for projects within the Watershed.

Federal Funding Sources

The federal grant funding sources currently are limited, but may change pending the impacts of various federal economic stimulus packages proposed to support nationwide infrastructure improvements. The U.S. Bureau of Reclamation's (USBOR) Challenge Grant Program provides funding for water management programs and projects in the western United States. This grant program might help fund the implementation of water conservation projects. USBOR also provides funding for water recycling programs and basin study programs. EPA provides funding for environmental improvement projects. In addition, funding can be directed for implementation of projects under the IRWMP, through the Federal Energy and Water Development Appropriations legislation funneled through the Army Corp of Engineers (Corps).

Flood agencies have a long history of partnering with the Corps to build flood infrastructure, and recently the Corps has been granted the authority to develop ecosystem restoration projects with local sponsors. Many of these projects have 65% Corps and 35% local sponsor cost share that allows the leveraging of local resources.

Local Funding Sources

Historically, the Watershed region has demonstrated a strong commitment to providing matching local funds for State grant-funded water projects. The amount of local match typically required in the past water bonds as defined by the State administrating agency, SWRCB and the DWR, is 25%. The SAR Region has far exceeded this required local match minimum by showing a much higher percentage of local revenue so that more regionally important water projects could be constructed. Agencies often leverage existing Capital Improvement Program funds to accelerate development and implementation of projects.

Local funding can come from a variety of sources, and one of the most effective local on-going sources is the MWD programs. The MWD maintains a number of funding programs to offset the costs of various water resource programs. For example, MWD's Local Resources Program is targeted to support water recycling and groundwater development projects, such as desalting, to help reduce the overall water demand within its service area. This program can provide subsidies of up to \$250/AF over 25-year terms. Another program that MWD offers is a rebate program for water use efficiency programs, devices, and measures throughout its service area. These programs are offered to residential, commercial and industrial, agricultural, and public sector entities, and have proven to be a tremendous success across southern California. Unfortunately, since the SAR Region falls partially out of MWD's boundaries, there are some entities in the Watershed region that would not be eligible to participate in these programs.

Aside from the local funding support of regional entities, local rate revenue generation is another possible source of funding for the region. Further, with current nationwide economic conditions, the number of economically disadvantaged communities is expected to increase in many areas of the Watershed region. Under these conditions, increasing water rates to compensate for capital improvements necessary to address existing and future water demands is becoming more challenging.

In some communities, local funding can take the form of a local revenue bond. These bonds typically are dedicated to specific types of improvements and require a vote by the electorate. Similar to various local propositions that were passed in some coastal regions dedicated to supporting ocean and beaches, local revenue bonds could be brought to the voters to assure adequate local funding for various water resource improvements in the Watershed. With increasing uncertainty about dependable imported water supplies from the Bay Delta due to environmental concerns and SWP reductions, as well as Colorado River drought conditions also resulting in flow reductions to southern California, funding to support local reliable supplies such as recycled water and clean up of local groundwater supplies have received increased attention throughout California. The challenge with a top-down California approach is that the State's ability to issue bonds may be limited. However, with Watershed communities hit hard by the recession and potential increases in water rates to compensate for the ever decreasing water supplies, the passage of a new fee for regional or local water supplies by the majority of property owners, or 2/3 majority of the electorate, would represent a formidable challenge. Still, early discussions regarding this approach are being explored by several upper watershed agencies. The ability to "control one's destiny" at a regional level not only ensures that regional priorities are met, but that the region has a say in ranking those priorities.

The following **Table 2.2** presents the proposed funding structure for all projects in the OWOW Plan, including a preliminary assessment on the certainty of funding. It should be noted that these funding estimates are preliminary and are self-reported.

Table 2.2 Proposed Funding Structure for All OWOW Plan

Project name	Agency	Total Project Amount	Requested Funding Amount	Local Contribution Amount	Federal Contribution Amount	In-Kind Contribution Amount	SRF Loan Amount	Certainty of capital funding	Certainty of O&M funding
Fullerton Creek Channel (OCFCD Facility No. A03) from downstream I-5 Freeway to downstream Dale Street.	Orange County, Public Works, Flood Control Section, Flood Programs	\$8,400,000	\$2,100,000	\$6,300,000				Yes, this project is on the Flood Control Capital Improvement Project Plan, which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priority capital improvement projects. When the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project.	Yes. Funds for flood control capital improvement projects, including operation and maintenance come mainly from property taxes and state contributions. Operation and maintenance is ongoing for this channel system and is budgeted every fiscal year.
Planning & Integration Assistance Program	California Resource Connections	\$200,000	\$150,000			\$25,000			
San Bernardino River Corridor Revitalization	California Resource Connections								
Place-Based GIS Land Use Design Tool to Protect Watershed Function in the Upper SAR Watershed	California Resource Connections	\$475,000	\$475,000						
Brookhurst Widening Bio-Swale and Synthetic Turf Installation	City of Anaheim	\$1,600,000	\$800,000						City right-of-way maintenance funds are available for maintenance and are anticipated to be available in perpetuity.
ARTIC Use of GWRS Water for Irrigation and Groundwater Recharge	City of Anaheim	\$4,000,000	\$2,000,000					Multiple grant funds have been obtained, primarily Measure M and State Transit Improvement.	Yes

Water Recycling Demonstration Project	City of Anaheim	\$8,000,000	\$1,600,000	\$6,400,000					The first phase of the Project is budgeted in the City's Capital Improvement budget. An amount of \$6,277,000 is budgeted for FY 2010 and \$342,000 for FY 2011.	For O&M of the project, an amount of \$30,000 has been budgeted for FY 2011, and \$250,000 for FY 2012.
Water Use Efficiency Improvements/Brackish Groundwater Treatment & Constructed Wetland Installation at Yorba Regional Park	City of Anaheim	\$200,000	\$100,000	\$100,000						
Modjeska Park Parking Detention/Infiltration Facility (Design Only)	City of Anaheim	\$250,000	\$125,000	\$125,000					Funding for required match of the project will be from the City's storm drain construction fund.	Funding for the maintenance of the project will be integral to the City's regular operational maintenance of storm drain facilities.
Shallow Aquifer Pumping for Non-potable Uses	City of Anaheim	\$3,720,000	\$1,600,000	\$2,120,000						
Urban Runoff Reuse - Anaheim Hills Golf Course	City of Anaheim	\$9,800,000	\$4,900,000	\$4,900,000						
Platinum Triangle/ARTIC and Disneyland Resort Area Water Recycling Project	City of Anaheim	\$16,500,000	\$8,250,000	\$8,250,000						
Ball Road Regional Recycled Water Project	City of Anaheim	\$20,000,000	\$10,000,000	\$10,000,000						
Orange County/Beaumont Conjunctive Use Water Project	City of Anaheim	\$66,000,000	\$33,000,000	\$33,000,000						
Randolph Creek Water Quality and Habitat Enhancement Project	City of Brea	\$870,000	\$700,000	\$170,000					CIP Budgeted for FY 2010/2011	The City will provide funding for their part of the project, and with funding for construction, the other partners will help cover the rest of the O&M funds.
Crescent Avenue Sewer Replacement	City of Buena Park	\$2,376,000	\$950,400	\$675,600				\$750,000		O&M for this replacement sewer will be through the City of Buena Park sewer forces. It will be funded through sewer fees as is the sewer being replaced.

Construction of a Reclaimed Water Pipeline to Buena Park, California	City of Buena Park	\$5,000,000	\$500,000	\$500,000	\$4,000,000				
Magnolia Channel Detention Basin	City of Chino	\$83,600	\$62,700	\$19,855		\$1,045			
Drainage A Detention Basin	City of Chino	\$5,200,000	\$3,900,000	\$617,500	\$617,500	\$65,000			
Arlington Desalter Connection Project No. 27-1208 & Western Municipal Water District Promenade Connection	City of Corona	\$800,000	\$400,000					The Corona Department of Water & Power will fund their cost matching portion through a CIP that is part of the FY 2010-11 approved budget entitled "Arlington Desalter Interconnection."	The Corona Department of Water and Power has City Council approval to pay for Operations & Maintenance funding through water rates.
Norco/Stagecoach Park Recycled Waterline	City of Corona Department of Water and Power	\$3,700,000	\$1,850,000					Funding for City of Corona Department of Water and Powers share has been funded in the approved CIP budget for FY 2010-11 under a project entitled "Stagecoach Park Recycled Waterline."	The City of Corona City Council has approved the payment of O&M costs through water rates.
Industrial Way Water Quality and Storm Drain Improvement Project	City of Costa Mesa	\$3,000,000	\$2,400,000	\$600,000				The portion of funding from Local contribution has been secured through City's Drainage Fee Fund	The maintenance of this project when completed will be incorporated into the City's storm drain maintenance and water quality program that will be covered by the City's General Funds for the future years that the system will be in operation.
Fairview Park Wetlands and Riparian Habitat Project	City of Costa Mesa	\$4,560,000	\$2,200,000	\$960,000	\$1,400,000			Federal funding from the US Army Corps of Engineers has been expended on the construction of Phase I of the project. The City's match of \$960,000 was used for Phase I construction and the	O&M funding will be included in the annual parks maintenance budget for Fairview Park.

								completion of the plans and specifications.	
Cypress Nature Park Restoration Project	City of Cypress	\$1,557,180	\$1,443,180			\$114,000			
City of Fontana Flood Control and Aquifer Recharge Program	City of Fontana	\$6,000,000	\$1,000,000	\$500,000			\$4,500,000	The City has submitted application to the State Water Resources Control Board for SRF Loan funds for construction of Phase 1 improvements. To complete the City's application, the City intends to complete the project report and credit review report by the end of July 2010. Plans and specifications will be submitted in August resulting application approval in September. The funding program does not have an expiration date. State grant (SWRCB RW Grant) and local (Water) funds also are secure.	The systems will be operated and maintained by the City with current budgeted forces.
Citywide Street Median Rehabilitation Project	City of Garden Grove	\$6,161,000	\$4,000,000	\$2,161,000				The City of Garden Grove has secured matching funds for these proposed projects.	Currently, the City dedicates General Funds to the maintenance and operation of all street medians.
Patterson Street Storm Drain Upgrade	City of Garden Grove	\$3,600,000	\$3,240,000	\$360,000				Local funding has been secured and will be allocated to the project once awarded.	Operation and maintenance funding for this existing structure is already in place.
Yockey/Newland Storm Drain Line B-5 Phase 2	City of Garden Grove	\$5,067,000	\$3,800,000	\$782,000	\$485,000			Currently, the City is awaiting EPA's response on a grant award in the amount of \$485,000 for Yockey Newland	Adequate provisions will be made for the establishment and long-term maintenance of the storm drain. The City will perform maintenance of

								Phase 2. City matching funds have been secured for the second phase of this project.	the project site. Additionally, every storm drain is cleaned annually with special attention given after rainy periods.	
East Garden Grove Wintersburg Channel Urban Runoff Diversion Project, Phase I	City of Huntington Beach	\$5,488,700	\$5,200,000							
The Quail Valley Groundwater Infiltration Improvements Project	City of Menifee	\$250,000	\$250,000							
The Project consists of two detention basins & approximately 11,800 lineal feet of open channel and storm drains from Juniper Flats westerly. It represents Phase 1 of the four-phase MDP.	City of Menifee	\$6,000,000	\$3,500,000	\$2,000,000				\$500,000	The \$2 million local match is already available in the form of cash collections from a locally established Community Facilities District (CFD) which are being held by County of Riverside Flood Control on behalf of the ADP property owners. Funds would be released to this project upon request. Up to \$500,000 has been committed separately by the ADP property owners, who to-date have already expended \$27 million to complete design, environmental, and right-of-way acquisition.	The County of Riverside Flood Control and Water Conservation District will pay for a portion of the O&M, with the remainder covered by a Landscape Maintenance District or a second Community Facilities District to be established by the City of Menifee that has been already agreed upon by the ADP property owners.
Cucamonga Creek Watershed Regional Water Quality Project (Mill Creek Wetlands)	City of Ontario	\$20,000,000	\$10,000,000	\$10,000,000					The Project is funded through Development Impact Fee construction agreements and is included in the Ontario General Plan. As such, the Project is certain to be funded and constructed.	Maintenance will be funded through Development Impact Fees and long term through the Operations and Maintenance Community Facilities District.

Water Use Efficiency Program	City of Ontario Municipal Utilities Company	\$150,558	\$75,218	\$75,340				Total project cost has been included in the fiscal year 2010-11 capital budget.	
Water Well Decontamination - City of Redlands	City of Redlands	\$2,100,000	\$2,000,000	\$50,000			\$50,000	This project will be funded through in-kind staff resources dedicated to accomplishing the project. Local contribution will be secured by dedicating funds from rate payer accounts to toward the implementation of this project.	Funding for O&M will be covered using rate payer accounts, from which the required funding for O&M will be obligated for the life of the project.
Riverside North Aquifer Storage and Recovery Project	City of Riverside	\$12,500,000	\$2,000,000					The funding for this project will be secured in each agency's capital improvement program (CIP). The City of Riverside's financial commitment to this project has been secured and is included in its current adopted CIP. The other project partners have verbally committed to the project and have varying time frames for securing their portion of the funding. The longevity of the funding is expected for the duration of the project.	The majority of the O&M funding for this project will be provided by the City of Riverside. The City of Riverside will provide O&M funding for the life of the project.
Recycled Water Transmission Main (Santa Ana River Segment)	City of Riverside	\$26,000,000	\$2,000,000					The funding for this project will be obtained through bonds, water rate fees, and grant programs. The longevity of the funding is expected for the duration of the project.	The City will provide O&M funding for the life of the project.

San Bernardino Clean Water Factory – Phase III	City of San Bernardino Municipal Water Department	\$6,981,170	\$3,490,585					Funding is secured by SBMWD Board adopted CIP and USBR assistance agreement.	SBMWD Board approval for O&M costs through water rates, sewer fees, and/or other fees.
San Bernardino Clean Water Factory – Phase I	City of San Bernardino Municipal Water Department	\$2,728,776	\$1,000,000					Funding is secured by SBMWD Board adopted CIP, USEPA Grant award, and USBR assistance agreement.	SBMWD Board approval for O&M costs through water rates and/or other fees.
San Bernardino Clean Water Factory – Phase II	City of San Bernardino Municipal Water Department	\$18,000,000	\$9,000,000					Funding is secured by SBMWD Board adopted CIP, USEPA Grant award, and USBR assistance agreement.	SBMWD Board approval for O&M costs through water rates, sewer fees, and/or other fees.
San Bernardino Clean Water Factory – Phase VI	City of San Bernardino Municipal Water Department	\$65,593,000	\$32,796,500						
San Bernardino Clean Water Factory – Phase V	City of San Bernardino Municipal Water Department	\$77,791,000	\$38,895,500						
San Bernardino Clean Water Factory – Phase IV	City of San Bernardino Municipal Water Dept	\$122,624,000	\$61,312,000						
Tustin Avenue Well	City of Tustin	\$4,500,000	\$2,250,000	\$2,250,000				The project will be funded through a bond sale. The Water rates have recently been increased to secure the bond.	The O&M costs will be funded by the City of Tustin Water Services operational funds.
City of Tustin Main Street Facility Improvements	City of Tustin	\$300,000	\$150,000	\$150,000				The City has recently approved a 5 year water rate increase to pay for the project	Not Applicable
Rawlings Reservoir Replacement	City of Tustin	\$15,000,000	\$7,500,000	\$7,500,000				The City has recently raised its water rate to fund the project.	Funds would be set aside in the Water Divisions Operating Budget for reservoir maintenance repairs.
14th Street Groundwater Recharge and Storm Water Quality Treatment	City of Upland	\$5,000,000	\$3,750,000	\$1,250,000				Local matching funds are available for appropriation.	This project will be incorporated into the Uplands Basin Operation and Maintenance

Integration Facility									program.
Wilson III Basins Project and Wilson Basins/Spreading Grounds	City of Yucaipa	\$9,100,000	\$7,100,000	\$2,000,000				\$2.0 Million in local funding available now and forever unless reallocated by the City Council.	San Bernardino County Flood Control District has verbally agreed to maintain Flood Control Facility in perpetuity.
Infiltration and Inflow Reduction Program	Costa Mesa Sanitary District	\$3,000,000	\$2,400,000	\$600,000				The portion of funding from Local contribution has been secured through City of Costa Mesa's Drainage Fee Fund	The maintenance of this project when completed will be incorporated into the City of Costa Mesa's storm drain maintenance and water quality program which will be covered by the City of Costa Mesa's General Funds for the future years that the system will be in operation.
CMSD #101 West Side Pumping Station Abandonment	Costa Mesa Sanitary District	\$3,000,000	\$1,000,000	\$2,000,000				Funding has been secured by yearly contributions of \$250,000 in the District's Capital Improvement Program (CIP).	O&M will decrease as a result of the project as 8 existing sewer pumping stations will be abandoned and the need for one sewer pumping station in the north half of the Banning Ranch alleviated.
Serrano Creek Restoration Plan	County of Orange	\$3,345,212	\$1,338,085	\$1,739,527		\$267,600		The local contribution will be cost shared by the project partners and will be budgeted by the project partners in the appropriate years.	The project partners will provide the funding for the long term O&M of the project, unless the project is built to Orange County Flood Control District (OCFCD) standards. If built to OCFCD standards then OCFCD will accept the facility and provide long term O&M.
Borrego Canyon Wash Stabilization and Restoration Project	County of Orange/OC Watersheds	\$3,232,000	\$1,939,200	\$646,400		\$646,400			
Construction & Quantitative Evaluation of the Low Impact Development Retrofit Project for Orange County Public Works Glassell Yard, Orange, California	County of Orange/OC Watersheds Program	\$3,000,000	\$2,000,000	\$500,000		\$500,000			The facility currently belongs to the County of Orange who will continue to maintain it as owners of the buildings.

Proposed 12-inch Village of Heritage	Cucamonga Valley Water District	\$3,600,000	\$2,700,000	\$900,000					
Proposed 8-inch Redhill Park Lateral	Cucamonga Valley Water District	\$336,000	\$252,000	\$84,000					
New 12-inch recycled water main to the Redhill Golf Course	Cucamonga Valley Water District	\$600,000	\$450,000	\$150,000					
Biodiesel Feedstock Production	Eastern Municipal Water District	\$18,200,000	\$13,000,000						
Perris II Desalination Facility	Eastern Municipal Water District	\$57,000,000	\$28,700,000	\$6,300,000	\$22,000,000			EMWD has funding under the 2000 Water Resources Development Act (WRDA) for design and construction of the Perris II Desalter in the amount of \$25 million. This program is administered by the USACOE and is comprised of 75% federal grant and 25% local share. The remaining federal share is \$22M, and the remaining local contribution is \$6.3M.	Funding is secured each year through the District's operating budget process.
San Jacinto Wildlife Area Habitat Sustainability and Enhancement Utilizing Recycled Water	Eastern Municipal Water District	\$150,000	\$75,000	\$50,000		\$25,000			
Storm Water Capture and Groundwater Recharge in the Perris North Groundwater Management Zone	Eastern Municipal Water District	\$200,000	\$100,000	\$60,000		\$40,000			Funding is secured each year through the District's operating budget process.
Hemet/San Jacinto Integrated Recharge and Recovery Program Phase II	Eastern Municipal Water District	\$2,400,000	\$1,800,000	\$600,000				EMWD has entered into escrow to purchase the property that would be used for recharge. This represents at least 25% of the projected project costs.	O&M funding is secured each year through the operating annual budget process.

French Valley Recycled Water Distribution Pipeline Project	Eastern Municipal Water District	\$3,192,800	\$2,394,600	\$798,200					Funding is secured each year through the District's operating budget process.
San Jacinto Recycled Water Distribution Pipeline Project	Eastern Municipal Water District	\$3,809,480	\$2,857,110	\$952,370					Funding is secured each year through the District's operating budget process.
Perris Valley Recycled Water Distribution Pipeline Project	Eastern Municipal Water District	\$3,821,520	\$2,866,140	\$955,380					Funding is secured each year through the District's operating budget process.
San Jacinto Indirect Potable Reuse	Eastern Municipal Water District	\$2,000,000	\$1,000,000	\$1,000,000				The District has appropriated \$25,000 via work order 412754 to support Facility Planning of this project.	Funding will be secured each year through the District's operating budget process.
Perris Water Filtration Plant Reject Recovery Facility	Eastern Municipal Water District	\$6,765,828	\$5,074,371	\$1,691,457				This project will be financed from the Service Area No. 41 (Mills) Replacement and System Betterment Construction Reserve. Total Project Cost \$6,765,828 (Board Letter M-231/09 Dated November 4, 2009).	Funding is secured each year through the District's operating budget process.
The San Jacinto Citrus In-Lieu Recycled Water Pond Pump Station and Distribution Pipeline Project	Eastern Municipal Water District	\$7,240,000	\$5,430,000	\$810,000	\$1,000,000				Funding is secured each year through the District's operating budget process.
East Diamond Valley Recycled Water Storage Pond and Distribution Pipeline Project	Eastern Municipal Water District	\$10,783,600	\$8,087,700	\$2,695,900					Funding is secured each year through the District's operating budget process.
The Menifee Recycled Water Pond Pump Station and Distribution Pipeline Project	Eastern Municipal Water District	\$11,980,320	\$8,985,240	\$2,370,080	\$625,000				Funding is secured each year through the District's operating budget process.
EMWD Desalination Recovery Enhancement and Brine Concentrate Management Demonstration Facility	Eastern Municipal Water District	\$12,000,000	\$9,000,000	\$1,300,000	\$1,600,000	\$100,000			Funding is secured each year through the District's operating budget process.

North Trumble Recycled Water Storage Ponds	Eastern Municipal Water District	\$12,100,000	\$9,075,000	\$3,025,000				The project was included in the 2009/10 EMWD 5-year CIP. Additionally, EMWD is working to secure the additional funding through the combination of the grants application and EMWD Board appropriation.	Funding is secured each year through the District's operating budget process.
Sun City Force Main and Recycled Water Pipeline Replacement	Eastern Municipal Water District	\$12,610,000	\$9,458,000	\$3,152,000				2008 COP Bond Issue Funding and Internal Reserve Funding	Funding is secured each year through the District's operating budget process.
Quail Valley Sewer Improvements (Subarea 9)	Eastern Municipal Water District	\$18,932,000	\$14,199,000	\$4,733,000				Received a \$180,222 Grant from the State Water Resources Control Board (SWRCB) for preliminary design of the Quail Valley Sewer Improvements (Subarea 9). The District's match was set at 22% (\$39,649), for a total budget of about \$220,000. District Expenses thus far for Subarea 9 exceed \$223,000. Previously the District spent \$130,000 for a feasibility study of the Quail Valley Community, to conduct research on alternative technologies, and to search for project funding.	Funding is secured each year through the District's operating budget process.
PVRWRF Biosolids Dryer Facility	Eastern Municipal Water District	\$13,000,000	\$7,800,000	\$5,200,000					
Perris II Desalter Ancillary Facilities	Eastern Municipal Water District	\$42,000,000	\$31,500,000	\$10,500,000					Funding is secured each year through the District's operating budget process,

Quail Valley Sewer Improvements (Subareas 1-8)	Eastern Municipal Water District	\$56,762,000	\$42,572,000	\$14,190,000					Funding is secured each year through the District's operating budget process.
Temescal Gardens	Elsinore Valley Municipal Water District	\$1,000,000	\$750,000	\$250,000				EVMWD has implemented an ascending block rate conservation structure for its water customers. A portion of penalty rates collected each year has been set aside for water conservation projects. The funding for this project constitutes a portion of that set aside funding.	O&M costs will be minimal and managed by the homeowner.
Temescal Gardens Online	Elsinore Valley Municipal Water District	\$300,000	\$200,000	\$100,000				EVMWD has implemented an ascending block rate conservation structure for its water customers. A portion of the penalty revenue has been set aside for funding water conservation projects such as this. The local funding is only a portion of the amount set aside.	As with our existing Website, O&M for the design Website will be funded out of the EVMWD general fund.
Wineville Extension Pipeline	Inland Empire Utilities Agency	\$11,212,500	\$8,409,375	\$2,803,125					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
Watershed Action Plan	Inland Empire Utilities Agency	\$1,000,000	\$750,000					The County of San Bernardino has budgeted funds for the local portion.	
Ely Basin Cla Valve Replacement and Electrical Service	Inland Empire Utilities Agency	\$98,091	\$73,568	\$24,523					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
San Sevaine Lateral and Turnouts	Inland Empire Utilities	\$2,631,701	\$1,973,776	\$657,925					O&M expenses will be funded through IEUAs operating revenue, which

	Agency								is supported through service charges and fees.
Hickory Basin Conservation Berm Outlet Modification	Inland Empire Utilities Agency	\$92,752	\$69,564	\$23,188					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
Hickory / Banana Basin Turnout Flow Meter	Inland Empire Utilities Agency	\$101,567	\$76,175	\$25,392					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
Montclair Basin SCADA Improvements	Inland Empire Utilities Agency	\$132,567	\$99,425	\$33,142					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
Regional Public Sector Program	Inland Empire Utilities Agency	\$665,000	\$500,000	\$150,000		\$15,000			
Motorized Gate Actuator Installation at RP-3	Inland Empire Utilities Agency	\$710,776	\$533,082	\$177,694					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
Jurupa Pump station	Inland Empire Utilities Agency	\$871,487	\$653,615	\$217,872					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
Regional Commercial Incentive Program	Inland Empire Utilities Agency	\$415,000	\$250,000	\$150,000		\$15,000			
Regional Residential Landscape Retrofit Program	Inland Empire Utilities Agency	\$315,000	\$200,000	\$100,000		\$15,000			
Jurupa Force Main Outlet Modifications	Inland Empire Utilities Agency	\$1,555,113	\$1,166,335	\$388,778					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
Agency Wide Lighting Improvements	Inland Empire Utilities Agency	\$1,670,000	\$1,252,500	\$417,500					

IEUA Regional Water Budget Program	Inland Empire Utilities Agency	\$315,000	\$200,000	\$100,000		\$15,000			
Agency Wide Aeration System Modifications	Inland Empire Utilities Agency	\$2,000,000	\$1,500,000	\$500,000					O&M expenses will be funded through IEUAs operating revenue, which is supported through service charges and fees.
RP-2 Digester Gas System Modifications	Inland Empire Utilities Agency	\$2,997,000	\$2,247,750	\$749,250				Project is part of IEUA Regional Capital Fund	
RP-5 Wind Turbine	Inland Empire Utilities Agency	\$3,000,000	\$2,250,000	\$750,000					
RP-2 Cogeneration Facility Expansion	Inland Empire Utilities Agency	\$4,000,000	\$3,000,000	\$1,000,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
Renewable Energy Expansion Program	Inland Empire Utilities Agency	\$4,000,000	\$3,000,000	\$1,000,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
Digester Gas Cleaning System	Inland Empire Utilities Agency	\$4,479,000	\$3,359,250	\$1,119,750					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
City of Chino Local Recycled Water Distribution Facilities	Inland Empire Utilities Agency	\$7,000,000	\$5,250,000	\$1,750,000					O&M expenses will be funded through IEUA's and the City of Chino's operating revenue, which is supported through service charges and fees.
City of Fontana Local Recycled Water Distribution Facilities	Inland Empire Utilities Agency	\$8,000,000	\$6,000,000	\$2,000,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
RP-1 Cogeneration Facility Expansion	Inland Empire Utilities Agency	\$8,300,000	\$6,225,000	\$2,075,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
City of Chino Hills Local Recycled Water	Inland Empire	\$10,000,000	\$7,500,000	\$2,500,000					O&M expenses will be funded through IEUA's

Distribution Facilities	Utilities Agency								operating revenue, which is supported through service charges and fees.
Regional Residential Landscape Financing Program	Inland Empire Utilities Agency	\$240,000	\$150,000	\$75,000		\$15,000			
Turner Basin Improvements	Inland Empire Utilities Agency	\$13,453,000	\$10,089,750	\$3,363,250					The ground water recharge in the Chino Basin is supported by the IEUA and Chino Basin Watermaster through each agency's regular operating expenses. It is the goal of the project to have all park and recreational features be self funding through park entry fees and park equipment rentals.
Local Recycled Water Laterals Construction	Inland Empire Utilities Agency	\$25,000,000	\$18,750,000	\$6,250,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
IEUA Regional Landscape Evaluation Program	Inland Empire Utilities Agency	\$165,000	\$100,000	\$50,000		\$15,000			
Central Area Recycled Water Project	Inland Empire Utilities Agency	\$27,920,000	\$20,940,000	\$6,980,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
RP-1 Secondary System Modifications	Inland Empire Utilities Agency	\$30,200,000	\$22,650,000	\$7,550,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
RP-5 De-bottlenecking and RP-2 Capacity Improvement	Inland Empire Utilities Agency	\$39,000,000	\$29,250,000	\$9,750,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
930-Zone Pipeline & Reservoir, Expansion of the CCWRF-RP-1 S. Zone Pump Station & Installation of a Parallel Line to RP-1 Outfall	Inland Empire Utilities Agency	\$39,338,000	\$29,503,500	\$9,834,500					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.

Local Recycled Water Laterals Construction	Inland Empire Utilities Agency	\$25,000,000	\$12,500,000				\$12,500,000		Funded through IEUA's operating revenue, which is supported through user charges and fees.
Regional Recycling Plant No.5 Expansion	Inland Empire Utilities Agency	\$70,000,000	\$52,500,000	\$17,500,000					O&M expenses will be funded through IEUA's operating revenue, which is supported through service charges and fees.
Cypress Channel Multipurpose Corridor	Inland Empire Utilities Agency	\$7,600,000	\$5,700,000	\$100,000	\$1,750,000	\$50,000			
Chino Creek Multipurpose Corridor	Inland Empire Utilities Agency	\$13,900,000	\$10,425,000	\$3,300,000		\$175,000			
Temescal Creek Master Trail and Park Project	Inland Empire Waterkeeper	\$3,030,000	\$3,000,000	\$10,000		\$10,000			
Tustin Legacy Wells 1, 2, 3, and 4	Irvine Ranch Water District	\$17,900,000	\$1,000,000						
Syphon Reservoir Expansion	Irvine Ranch Water District (IRWD)	\$70,000,000	\$17,500,000	\$52,500,000				Funding for the project planning is secure through Board approval of IRWD's capital budget for FY 2010/11. The project design and construction will be funded in future capital budgets.	IRWD will provide full O&M funding for the project. Through its rates and charges, IRWD recovers costs from its water retail customers for O&M in its annual operating budget. Each customer is assessed a monthly service fee as part of the water bill.
Reservoir Management System at 5 Domestic Water Reservoirs	Irvine Ranch Water District	\$2,500,000	\$1,250,000					The funds have been secured from bonds already sold and bonds to be sold.	Once construction is completed and is operational, O&M for these facilities will be included in IRWDs Operational budget.
University of California Irvine Water Use Efficiency Upgrades	Irvine Ranch Water District	\$115,000	\$34,000	\$56,000		\$25,000		IRWD funding is subject to continued Board approval. The IRWD Board of Directors is supportive of funding water use efficiency projects within the University campus system. Also, the	

								IRWD funding is based on the District's avoided cost for water and wastewater, and therefore cost effective for the district to continue to offer funding.	
Construction Circle Recycled Water Conversion Project	Irvine Ranch Water District	\$1,000,000	\$790,000	\$210,000					
Commercial, Industrial & Institutional Water Use Efficiency Upgrades	Irvine Ranch Water District	\$3,880,000	\$1,000,000	\$880,000		\$2,000,000		IRWD funding is subject to continued Board approval. The IRWD Board of Directors is supportive of funding water use efficiency projects within the commercial, industrial and institutional customer class. Additionally, the IRWD funding is based on the District's avoided cost for water and wastewater, and therefore cost effective for the district to continue to offer funding.	IRWD is committed to providing staff support to administer the CII Water Use Efficiency Upgrade Program. The operation and maintenance of all water use efficiency upgrade equipment is explicitly stated in the program agreement as the participating customer's responsibility. Customers unable to provide adequate evidence that the water savings will be realized are not approved for participation in the program.
Syphon Reservoir Integration Project	Irvine Ranch Water District	\$6,900,000	\$2,000,000	\$4,900,000				Funding for the project has been secured through Board approval of IRWDs capital budget for FY 2010/11.	IRWD will provide full O&M funding for the project. IRWD through its rates and charges recovers costs from its water retail customers for O&M in its annual operating budget. Each customer is assessed a monthly service fee as part of the water bill.
Baker Water Treatment Plant Project	Irvine Ranch Water District	\$62,000,000	\$10,000,000	\$52,000,000				Funding for the project has been secured through Board approval of IRWD and partner agencies capital	IRWD and partner agencies will provide O&M funding for the life of the project (50 yrs). A formal agreement has been reached among all

									budget for FY 2010/11.	partner agencies with Board approvals.
Natural Treatment System Facility No. 62 (NTS-62)	Irvine Ranch Water District	\$2,460,000	\$440,000	\$1,027,200	\$992,800				Funding for the proposed project has been secured through Board approval of IRWDs capital budget for FY 2010/11.	IRWD will provide full O&M funding for the project. IRWD through its rates and charges recovers costs from its water retail customers for O&M in its annual operating budget. Each customer is assessed a monthly service fee as part of the water bill. In addition, IRWD has been working with the County and Cities for cost-sharing as appropriate.
SMART Landscapes	Irvine Ranch Water District	\$290,000	\$100,000	\$120,000				\$70,000	IRWD can provide funding of \$0.50 per square foot for turf removal. IRWDs source of funds is derived from conservation revenues and is included in IRWDs annual operating budgets. There is the possibility of additional grant from regional conservation funding through the Municipal Water District of Orange County or Metropolitan Water District of Southern California, but this is not confirmed.	The project proposes providing one-time incentives to customers to upgrade landscapes to more water-efficient landscapes by replacing turf with water efficient irrigation and climate appropriate plants. All O&M would be the responsibility of the property owner.
Well 53	Irvine Ranch Water District	\$1,700,000	\$400,000	\$1,300,000					Funding for the project has been secured through Board approval of IRWDs capital budget for FY 2010/11. IRWD will utilize its capital funds for project construction. IRWDs capital funds	IRWD will provide full O&M funding for the project. IRWD through its rates and charges recovers costs from its water retail customers for O&M in its annual operating budget. Each customer is assessed a monthly service fee as

								are provided by a combination of connection fees and property tax revenues.	part of the water bill.
Irvine Ranch Water District Advanced Metering Infrastructure (AMI) Project	Irvine Ranch Water District	\$2,125,000	\$500,000	\$1,275,000				Funding for the proposed pilot project has been secured through Board approval of IRWDs capital budget for FY 2010/11.	IRWD will provide full O&M funding for the project. The project installs advanced water meters that will assist in improving demand management. IRWD through its rates and charges recovers costs from its water retail customers for O&M in its annual operating budget. Each customer is assessed a monthly service fee as part of the water bill.
Strand Ranch Water Banking Project Recovery Wells and Conveyance Facilities	Irvine Ranch Water District	\$7,353,000	\$1,800,000	\$5,553,000				The Strand Ranch Water Banking Project Recovery Wells and Conveyance Facilities project is included in the IRWD 2010-11 Capital Budget. IRWD will utilize its capital funds for project construction. IRWDs capital funds are provided by a combination of connection fees and property tax revenues.	IRWD will provide full O&M funding for the project. IRWD through its rates and charges recovers costs from its water retail customers for O&M in its annual operating budget. Each customer is assessed a monthly service fee as part of the water bill.
Natural Treatment System Site 67	Irvine Ranch Water District	\$19,700,000	\$5,500,000	\$8,688,000	\$5,512,000			IRWD has a cooperative agreement with Bureau of Reclamation through Title XVI for \$5,512,000. IRWD will fund the non-state share through capital funds approved in the IRWD 2010-11 Capital Budget.	IRWD will provide full O&M funding for the project. IRWD through its rates and charges recovers costs from its water retail customers for O&M in its annual operating budget. Each customer is assessed a monthly service fee as part of the water bill.

								IRWDs capital funds are provided by a combination of connection fees and property tax revenues.	
Wells 21 and 22 Project	Irvine Ranch Water District	\$39,768,000	\$10,000,000	\$19,826,000	\$9,942,000			Funding for the project has been secured through Board approval of IRWDs capital budget for FY 2010/11. IRWD will utilize its capital funds for project construction. IRWDs capital funds are provided by a combination of connection fees and property tax revenues.	O&M costs will be funded by water sales and monthly meter charges.
Joint Anaheim/IRWD Well Field	Irvine Ranch Water District	\$40,000,000	\$5,000,000	\$35,000,000					
Orange Park Acres Groundwater Supplies and Conveyance Facilities	Irvine Ranch Water District	\$25,000,000	\$6,250,000	\$18,750,000				Funding for the project has been secured through Board approval of IRWDs capital budget for FY 2010/11. IRWD will utilize its capital funds for project construction. IRWDs capital funds are provided by a combination of connection fees and property tax revenues.	IRWD will provide full O&M funding for the project. IRWD through its rates and charges recovers costs from its water retail customers for O&M in its annual operating budget. Each customer is assessed a monthly service fee as part of the water bill. Also, there are funds that were provided as a part of the OPAMWC consolidation/agreement.
Roger B. Teagarden Ion Exchange Treatment Plant (IXP) Expansion	Jurupa Community Services District	\$10,200,000	\$1,000,000	\$9,200,000					O&M funding is from fees and sewer rates collected by JCSD.
Non-Potable Water Distribution System and Indian Hills Wastewater Treatment Plant Rehabilitation	Jurupa Community Services District	\$19,520,000	\$1,000,000	\$18,520,000					O&M funding is from fees and sewer rates collected by JCSD.
Eastvale Water Recycling Project	Jurupa Community Services	\$28,000,000	\$1,000,000	\$27,000,000					O&M funding is from fees and sewer rates collected by JCSD.

	District								
Non-Potable Water Distribution System and Van Buren Bridge Recycled Water Pipeline	Jurupa Community Services District	\$8,920,000	\$1,000,000	\$7,920,000					O&M funding is from fees and sewer rates collected by JCSD.
San Jacinto Watershed Nutrient TMDL Pollutant Trading Study	Lake Elsinore and San Jacinto Watersheds Authority	\$250,000	\$125,000	\$125,000					
San Jacinto Urban Runoff Treatment & Control	Lake Elsinore and San Jacinto Watersheds Authority	\$250,000	\$125,000	\$125,000					
Lake Elsinore Water Quality Modeling	Lake Elsinore and San Jacinto Watersheds Authority	\$300,000	\$150,000	\$150,000					
Stormwater Treatment Wetlands for Canyon Lake	Lake Elsinore and San Jacinto Watersheds Authority	\$300,000	\$150,000	\$150,000					
San Jacinto River Riparian Habitat Restoration	Lake Elsinore and San Jacinto Watersheds Authority	\$300,000	\$150,000	\$150,000					
Canyon Lake Dredging Enhancements	Lake Elsinore and San Jacinto Watersheds Authority	\$550,000	\$275,000	\$275,000					
Hypolimnetic Oxygenation System for Canyon Lake	Lake Elsinore and San Jacinto Watersheds Authority	\$800,000	\$400,000	\$400,000					
Canyon Lake Alum/Phoslock Treatment	Lake Elsinore and San Jacinto Watersheds Authority	\$1,500,000	\$750,000	\$750,000					
Lake Elsinore & Canyon Lake Nutrient TMDL Monitoring	Lake Elsinore and San Jacinto Watersheds	\$1,500,000	\$750,000	\$750,000					

	Authority								
Lake Elsinore Fishery Enhancement	Lake Elsinore and San Jacinto Watersheds Authority	\$1,700,000	\$850,000	\$850,000					
Lake Elsinore Alum/Phoslock Treatment	Lake Elsinore and San Jacinto Watersheds Authority	\$2,500,000	\$1,250,000	\$1,250,000					
Colored Water Treatment Facility Technology Replacement and Expansion	Mesa Consolidated Water District	\$24,000,000	\$2,000,000	\$22,000,000				The Mesa Consolidated Water District Board of Directors has approved a capital budget for project with plan to issue certificate of participation bonds to fund construction.	The Mesa Consolidated Board will increase rates as necessary to fund the O&M costs of this water supply project. A portion of the O&M costs will be funded by the Metropolitan Water District of Southern California's Local Resources Program through the Municipal Water District of Orange County through fiscal year ending 2025 and by Orange County Water Districts Water Quality Program indefinitely.
Second Lower Cross Feeder Project	Municipal Water District of Orange County	\$50,000,000	\$12,500,000	\$37,500,000					
In-Conduit Hydroelectric Project	NLine Energy, Inc.	\$950,000	\$450,000	\$350,000	\$150,000				
Restoration of the Lower Santa Ana River Marsh	Orange Coast River Park	\$2,260,000	\$1,000,000	\$250,000	\$1,000,000	\$10,000			
Huntington Harbor Water Quality Improvement Program	Orange County Coastkeeper	\$320,650	\$240,150					Matching funds will be provided by Orange County Coastkeeper as in kind services. Matching funds will be available when project is funded	

Wintersberg Chanel Source Identification Study	Orange County Coastkeeper	\$278,000	\$208,500					Funding match will be provided by Orange County Coastkeeper through in kind services. Project funds will be available upon project funding.	No O&M funding is necessary for the project.
Orange County LID Implementation Project	Orange County Coastkeeper	\$420,481	\$315,361					Matching funds have been secured. Orange County Coastkeeper will provide the matching funds through in kind services. The funds are available upon project funding.	O&M funding will be provided by the individual property owners that participate in the project.
Huntington Harbor Copper Reduction Project	Orange County Coastkeeper	\$630,000	\$472,500					The matching funds will be provided by Orange County Coastkeeper as in kind services. The funds will be available upon project funding.	No O&M funding is necessary for this project.
Rhine Channel Remediation Project	Orange County Coastkeeper	\$4,000,000	\$2,000,000					The City of Newport Beach has committed to funding the match for the project. The funding will be available when the project is funded	No O&M funding is necessary. This is a one-time project.
Central Orange County Trash Reduction Project	Orange County Coastkeeper	\$355,418	\$266,566					The matching funds will be provided by Orange County Coastkeeper through in kind services. The funds are available pending project funding.	
Santa Ana River Interceptor (SARI) Line Relocation Project	Orange County Flood Control District	\$86,000,000	\$43,000,000	\$43,000,000				The Board of Supervisors for the Orange County Flood Control District has approved the financing for the SARI Line Relocation Project. Funds will be obtained from Flood Control funds and loans that have	After completion of construction, the SARI Line will be conveyed to the Orange County Sanitation District for O&M.

								been secured for the project.	
Recycled Water Reservoir	Orange County Great Park Corporation	\$3,500,000	\$2,300,000	\$1,200,000					
Co-generation Facilities Cooling Water System Modifications and Upgrades Project J-109.	Orange County Sanitation District (OCSD)	\$9,094,000	\$1,000,000	\$8,094,000				OCSD has a long-term financial plan for this project and funds have been secured for its completion. Funding is collected from fees and sewer rates and issuance of COPs.	O&M funding is provided through fees and sewer rates collected by OCSD. The long-term financial plan for the O&M of this Project is part of OCSD annual operating budget.
								OCSD closely monitors its two-billion Capital Improvement Program through its Project Control Database System which provide project management tools and oversight to individual project phases, i.e. planning, design, construction, including bid process, and essential targets for meeting overall project performance.	
Pharmaceutical Collection Program	Orange County Sanitation District	\$185,000	\$90,000	\$90,000			\$5,000	OCSD has a long-term financial plan for this Project. OCSD funding has been secured for completion of this Project. OCSD receives funding through fees and sewer rates.	O&M funding is provided through fees and sewer rates collected by OCSD. A long term financial plan for O&M of this project has been established and is currently a part of OCSD annual operating budget.
Sludge Dewatering, Odor Control, and Primary Sludge Thickening at Plant No. 1, Project No. P1-101	Orange County Sanitation District	\$100,000,000	\$1,000,000	\$98,700,000	\$300,000			OCSD has a long-term financial plan for this Project and funds have been secured for its completion. Funding is collected from fees and sewer rates, issuance of	O&M funding is provided through fees and sewer rates collected by OCSD. The long-term financial plan for the O&M of this Project is part of OCSD annual operating budget.

								COPs, and federal grant funding.	
								OCSD closely monitors it's two-billion Capital Improvement Program through its Project Control Database System which provide project management tools and oversight to individual project phases, i.e. planning, design, construction, including bid process, and essential targets for meeting	
Orange County Regional Stormwater Infiltration Program	Orange County Water District	\$2,000,000	\$500,000						OCWD pays for the O&M costs of capital projects through the revenue generated by the Replenishment Assessment (RA) payments from groundwater producers. Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Subsurface Recharge	Orange County Water District								OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year,

									OCWD budgets the O&M costs of each project under the general fund.
Santiago Enhanced Recharge	Orange County Water District	\$840,000	\$210,000					OCWD maintains a stable revenue stream through its sale of groundwater. OCWD has an annual operating budget of \$115 M, with cash reserves currently estimated at \$169 M. Historically, the District has funded large capital projects with long-term debt. The District has high credit ratings from Standard & Poor's and Fitch and Moody's. These ratings enable the District to access low interest rate debt instruments.	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Recharge Basin Rehabilitation	Orange County Water District	\$850,000	\$212,500						OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
South Basin Groundwater Protection Project Interim Remediation	Orange County Water District	\$2,800,000	\$700,000						

Mid-Basin Injection Demonstration	Orange County Water District	\$4,900,000	\$1,225,000					The funding of this project is approved and included in the multiple-year debt funded Capital Improvement Program for fiscal years 2010-11 to 2011-12. OCWD maintains a stable revenue stream and has an annual operating budget of \$115 M, with cash reserves currently estimated at \$169 M. OCWD high credit ratings from Standard & Poor's and Fitch & Moody's, and these ratings enable OCWD to access low interest rate debt instruments.	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund. OCWD's fiscal year starts on July 1 and ends on June 30 of the following year.
MTBE Interim Remediation	Orange County Water District	\$15,000,000	\$3,750,000						
Mid-Basin Injection Project	Orange County Water District	\$18,000,000	\$4,500,000						Once a project is approved, OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Groundwater Replenishment System - Flow Equalization	Orange County Water District	\$23,218,000	\$5,804,500						OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from

									OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
North Basin Groundwater Protection Project	Orange County Water District	\$42,000,000	\$10,500,000						
Groundwater Replenishment System Expansion	Orange County Water District	\$104,000,000	\$26,000,000						OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Five Coves and Lincoln Basins Bypass Pipeline	Orange County Water District	\$6,440,000	\$1,610,000	\$4,830,000				The funding of this project has been approved by OCWD Board of Directors and is included in the multiple-year debt funded Capital Improvement Program for fiscal year 2010-11. OCWD maintains a stable revenue stream and has an annual operating budget of	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWDs member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWDs groundwater basin. Every fiscal year,

								\$115 M, with cash reserves currently estimated at \$169 M. OCWD has high credit ratings from Standard & Poor's and Fitch & Moody's and these ratings enable OCWD to access low interest rate debt instruments.	OCWD budgets the O&M costs of each project under the general fund. OCWD's fiscal year starts on July 1 and ends on June 30 of the following year.
Enhanced Water Conservation at Prado	Orange County Water District	\$5,500,000	\$1,375,000						OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund. This project is a study, thus ongoing O&M would not apply.
Sunset Gap Seawater Intrusion	Orange County Water District	\$700,000	\$175,000	\$525,000				OCWD maintains a stable revenue stream through its sale of groundwater. OCWD has an annual operating budget of \$115 M, with cash reserves currently estimated at \$169 M. Historically, the District has funded capital projects with long-term debt. The District has high credit ratings from Standard & Poor's and Fitch and Moody's. These ratings enable the	Existing water quality O&M staff will support the groundwater level monitoring and sampling activities after the project is complete.

								District to access low interest rate debt instruments. In June 2010, OCWD approved funding for project construction from reserves.	
Recharge Water Sediment Removal Demonstration Project	Orange County Water District	\$1,570,000	\$392,500	\$1,177,500				The funding of this capital project has been approved by OCWD Board of Directors and is included in the Capital Improvement Program for the fiscal year 2010-11.	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund. OCWDs fiscal year starts on July 1 and ends on June 30 of the following year.
Prado Basin Sediment Management Project	Orange County Water District	\$2,500,000	\$625,000	\$1,875,000					OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWDs member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWDs groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund. OCWDs fiscal year starts on July 1 and ends on June 30 of the following year.

Santiago Basins Intertie	Orange County Water District	\$2,800,000	\$700,000	\$2,100,000				The funding of Santiago Basins Intertie Project has been approved by OCWD Board of Directors and is included in the multiple-year funding of capital improvement program. OCWDs fiscal year starts on July 1 and ends on June 30 of the following year.	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWDs member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWDs groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Santiago Basins Pump Station	Orange County Water District	\$3,100,000	\$775,000	\$2,325,000				The funding of this Project has been approved by OCWD Board of Directors and is included in the multiple-year debt funded capital improvement program for fiscal year 2010-11. OCWD maintains a stable revenue stream and has an annual operating budget of \$115 M, with cash reserves currently estimated at \$169 M. OCWD has high credit ratings from Standard & Poor's and Fitch & Moody's and these ratings enable OCWD to access low interest rate debt instruments.	OCWD pays for the O&M cost of any capital project through the revenue generated by the RA payments from OCWDs member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWDs groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund. OCWDs fiscal year starts on July 1 and ends on June 30 of the following year.
Raymond Basin Enhancement Project	Orange County Water District	\$3,600,000	\$900,000	\$2,700,000				The funding of Raymond Basin Enhancement Project has been approved by OCWD Board of Directors and is included in the multiple-year funding	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD member agencies (i.e., groundwater producers). Semiannually, OCWD

								of capital improvement program for fiscal years 2010-11 and 2011-12. OCWDs fiscal year starts on July 1 and ends on June 30 of the following year.	collects RA from member agencies that pump groundwater from OCWDs groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Placentia Basin Enhancement Project	Orange County Water District	\$3,800,000	\$950,000	\$2,850,000				The funding of Placentia Basin Enhancement Project has been approved by OCWD Board of Directors and is included in the multiple-year funding of capital improvement program for fiscal years 2010-11 through 2012-13. OCWDs fiscal year starts on July 1 and ends on June 30 of the following year.	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWDs member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWDs groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Prado Basin Sediment Management Demonstration Project	Orange County Water District	\$4,250,000	\$1,062,500	\$3,187,500				The funding of Prado Basin Sediment Management Demonstration Project has been approved by OCWD Board of Directors and is included in the multiple year funding of the capital improvement program (from fiscal year 2010 to 2012-13).	OCWD pays for the O&M costs of any capital improvement project through the revenue generated by the collection of RA from OCWDs member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWDs groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund. OCWDs fiscal year starts on July 1 and ends on June 30 of the following year.

Mira Loma Recharge Basin	Orange County Water District	\$6,100,000	\$1,525,000	\$4,575,000				OCWD maintains a stable revenue stream through its sale of groundwater. OCWD has an annual operating budget of \$115 M, with cash reserves currently estimated at \$169 M. Historically, the District has funded large capital projects with long-term debt. The District has high credit ratings from Standard & Poor's and Fitch and Moody's. These ratings enable the District to access low interest rate debt instruments.	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Alamitos Barrier Improvement Project	Orange County Water District	\$20,000,000	\$5,000,000	\$15,000,000					OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund. OCWDs fiscal year starts on July 1 and ends on June 30 of the following year.
Recharge Water Sediment Removal Project	Orange County Water District	\$26,000,000	\$6,500,000	\$19,500,000					Once a capital has been approved by OCWD Board of Directors, OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from

									OCWD's member agencies (i.e., groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year (from July 1 to June 30), OCWD budgets the O&M costs of each project under the general fund.
Temescal Creek Wetlands	Orange County Water District	\$3,000,000	\$750,000	\$1,500,000	\$750,000				OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from groundwater producers. Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Fletcher Basin Rehabilitation	Orange County Water District	\$5,000,000	\$1,250,000	\$3,750,000				The funding of this project is approved and included in the multiple-year debt funded capital improvement program for fiscal years 2010-11 to 2011-12. OCWD maintains a stable revenue stream through its sale of groundwater. OCWD has an annual operating budget of \$115 M, with cash reserves currently estimated at \$169 M. OCWD has high credit ratings from Standard & Poor's and Fitch & Moody's, and these ratings	OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from OCWD's member agencies (i.e. groundwater producers). Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund. OCWD's fiscal year starts on July 1 and ends on June 30 of the following year.

								enable OCWD to access low-interest rate debt instruments.	
Mill Creek Diversion Project	Orange County Water District	\$7,000,000	\$1,750,000	\$3,500,000	\$1,750,000				OCWD pays for the O&M costs of capital projects through revenue generated by the RA payments from groundwater producers. Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
River Road Treatment Wetlands	Orange County Water District	\$8,500,000	\$2,125,000	\$4,250,000	\$2,125,000				OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from groundwater producers. Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M costs of each project under the general fund.
Chino Creek Wetlands	Orange County Water District	\$12,000,000	\$3,000,000	\$6,000,000	\$3,000,000				OCWD pays for the O&M costs of any capital project through the revenue generated by the RA payments from groundwater producers. Semiannually, OCWD collects RA from member agencies that pump groundwater from OCWD's groundwater basin. Every fiscal year, OCWD budgets the O&M

									costs of each project under the general fund.	
Groundwater Interception and Conveyance System for Selenium Load Reduction at the Lower Peters Canyon Wash, Orange County, California	Orange County Watersheds Program	\$1,250,000	\$500,000					\$750,000	The matching fund has been secured through a cost-share agreement with all watershed cities and other stake holders.	The County and funding partners will maintain the project for the foreseeable future through the funding agreement.
East Garden Grove-Wintersburg Channel (OCFCD Facility No. C05) from upstream Warner Avenue to downstream Goldenwest Street.	Orange County, Public Works, Flood Control Section, Flood Program	\$22,000,000	\$5,500,000	\$16,500,000					Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects, including op	Yes. Funds for flood control capital improvement projects, including operation and maintenance come mainly from property taxes and state contributions. Operation and maintenance is ongoing for this channel system and is budgeted every fiscal year.
East Garden Grove-Wintersburg Channel (OCFCD Facility No. C05) from upstream Quartz Street to upstream Bushard Street.	Orange County, Public Works, Flood Control Section, Flood Programs	\$15,000,000	\$3,750,000	\$11,250,000					Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted

								priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.	every fiscal year.
Ocean View Channel (OCFCD Facility No. C06) from upstream of the Confluence with East Garden Grove-Wintersburg Channel (C05) to downstream Beach Boulevard.	Orange County, Public Works, Flood Control Section, Flood Programs	\$2,175,000	\$543,750	\$1,631,250				Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.

<p>Ocean View Channel (OCFCD Facility No. C06) from upstream of Beach Boulevard to downstream of Newland Street.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$2,570,000</p>	<p>\$642,500</p>	<p>\$1,927,500</p>				<p>Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>
<p>Ocean View Channel (OCFCD Facility No. C06) from downstream of Bushard Street to downstream of Brookhurst Street.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$5,600,000</p>	<p>\$1,400,000</p>	<p>\$4,200,000</p>				<p>Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>

									flood control capital improvement projects.	
Carbon Creek Channel (OCFCD Facility No. B01) from upstream Beach Boulevard to upstream Dale Street.	Orange County, Public Works, Flood Control Section, Flood Programs	\$7,000,000	\$1,750,000	\$5,250,000					Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priority capital improvement projects; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.
Carbon Creek Channel (OCFCD Facility No. B01) from upstream Orange to upstream Beach Boulevard.	Orange County, Public Works, Flood Control Section, Flood Programs	\$7,500,000	\$1,875,000	\$5,625,000					Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priority capital improvement projects; when the downstream segments are constructed, this project will advance	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.

									the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.	
Brea Creek Channel (OCFCD Facility No. A02) at Beach Boulevard.	Orange County, Public Works, Flood Control Section, Flood Programs	\$8,400,000	\$2,100,000	\$6,300,000					Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel segment flows underneath Beach Boulevard, SR-39 which is owned and operated by Caltrans. We have cooperated with Caltrans in the design and await funding from the state for this project. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions.	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.
Fullerton Creek Channel (OCFCD Facility No. A03) from downstream Beach Blvd. including undercrossing to downstream I-5 Freeway.	Orange County, Public Works, Flood Control Section, Flood Programs	\$8,400,000	\$2,100,000	\$6,300,000					Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priority capital improvement projects; when the downstream segments are constructed, this	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.

								project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.	
Carbon Creek Channel (OCFCD Facility No. B01) from downstream Western Avenue to upstream Orange (including both under crossings).	Orange County, Public Works, Flood Control Section, Flood Programs	\$9,100,000	\$2,275,000	\$6,825,000				Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priority capital improvement projects; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.
East Garden Grove-Wintersburg Channel (OCFCD Facility No. C05) from upstream Beach Boulevard to downstream Woodruff Street.	Orange County, Public Works, Flood Control Section, Flood Programs	\$9,600,000	\$2,400,000	\$7,200,000				Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.

								downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.	
Fullerton Creek Channel (OCFCD Facility No. A03) from downstream Western Ave to downstream Beach Blvd.	Orange County, Public Works, Flood Control Section, Flood Programs	\$9,800,000	\$2,450,000	\$7,350,000				Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priority capital improvement projects; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.
Peters Canyon Channel (OCFCD Facility No. F06) from Confluence with San Juan Creek Channel (F05) to downstream Barranca parkway.	Orange County, Public Works, Flood Control Section, Flood Programs	\$9,800,000	\$2,450,000	\$7,350,000				Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted

								priorities; it is the last segment of the channel system to be constructed. Funds for flood control capital improvement projects, including operation and maintenance come mainly from property taxes and state contributions; this project is listed on the third tier from being budgeted.	every fiscal year.
Newland Storm Channel (OCFCD Facility No. C05S01) from Confluence with C05 channel to downstream McFadden Avenue.	Orange County, Public Works, Flood Control Section, Flood Programs	\$10,000,000	\$2,500,000	\$7,500,000				Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects, inclu	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.
Newland Storm Channel (OCFCD Facility No. C05S01) from downstream McFadden Avenue to downstream Bolsa Avenue	Orange County, Public Works, Flood Control Section, Flood Programs	\$10,000,000	\$2,500,000	\$7,500,000				Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted

								priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects, inclu	every fiscal year.
East Garden Grove-Wintersburg Channel (OCFCD Facility No. C05) from upstream Ocean view Channel (C06) Confluence to downstream Beach Boulevard.	Orange County, Public Works, Flood Control Section, Flood Programs	\$11,000,000	\$2,750,000	\$8,250,000				Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects, including op	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.

<p>East Garden Grove-Wintersburg Channel (OCFCD Facility No. C05) from upstream Bushard Street to upstream the intersection of McFadden Street/Brookhurst Street.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$11,000,000</p>	<p>\$2,750,000</p>	<p>\$8,250,000</p>				<p>Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects, including op</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>
<p>Santa Ana Gardens Channel (OCFCD Facility No. F02) from downstream Alton to Segerstrom.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$11,200,000</p>	<p>\$2,800,000</p>	<p>\$8,400,000</p>				<p>Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priorities; it is the last segment of the channel system to be constructed. Funds for flood control capital improvement projects, including operation and maintenance come mainly from property taxes and state contributions; this project is listed on the third tier from being budgeted.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>

<p>Santa Ana-Delhi Channel (OCFCD Facility No. F01) from Upper Newport Back Bay to downstream of Mesa Drive.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$12,350,000</p>	<p>\$3,087,500</p>	<p>\$9,262,500</p>				<p>Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priorities; it is the last segment of the channel system to be constructed. Funds for flood control capital improvement projects, including operation and maintenance come mainly from property taxes and state contributions; this project is listed on the third tier from being budgeted.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>
<p>East Garden Grove-Wintersburg Channel (OCFCD Facility No. C05) from 300-feet downstream the intersection of Haster Street/Lampson Avenue to 800-feet upstream.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$14,560,000</p>	<p>\$3,640,000</p>	<p>\$10,920,000</p>				<p>Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects,</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>

<p>Lane Channel (OCFCD Facility No. F08) from Von Karman to 1000' downstream Redhill Avenue</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$15,000,000</p>	<p>\$3,750,000</p>	<p>\$11,250,000</p>				<p>Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priorities; it is the last segment of the channel system to be constructed. Funds for flood control capital improvement projects, including operation and maintenance come mainly from property taxes and state contributions; this project is listed on the third tier from being budgeted.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>
<p>Lane Channel (OCFCD Facility No. F08) from Confluence with F05 channel to Von Karman</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$15,500,000</p>	<p>\$3,875,000</p>	<p>\$11,625,000</p>				<p>Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priorities; it is the last segment of the channel system to be constructed. Funds for flood control capital improvement projects, including operation and maintenance come mainly from property taxes and state contributions; this project is listed on the third tier from being budgeted.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>

<p>Peters Canyon Channel (OCFCD Facility No. F06) from Barranca Parkway to Warner Avenue.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$16,800,000</p>	<p>\$4,200,000</p>	<p>\$12,600,000</p>				<p>Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priorities; it is the last segment of the channel system to be constructed. Funds for flood control capital improvement projects, including operation and maintenance come mainly from property taxes and state contributions; this project is listed on the third tier from being budgeted.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>
<p>Westminster Channel (OCFCD Facility No. C04) from downstream Bolsa Chica Street to upstream the intersection of Springdale Street and Edinger Avenue.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$16,900,000</p>	<p>\$4,225,000</p>	<p>\$12,675,000</p>				<p>Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is a high priority; it overflows into the largest Special Flood Hazard Area in Orange County, the East Garden Grove-Wintersburg Channel. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>

<p>Carbon Creek Channel (OCFCD Facility No. B01) from upstream Gilbert Street to downstream I-5 Freeway including B01P01 & B01B02</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$20,000,000</p>	<p>\$5,000,000</p>	<p>\$15,000,000</p>				<p>Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priority capital improvement projects; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects,</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>
<p>Westminster Channel (OCFCD Facility No. C04) from upstream the intersection of Springdale Street and Edinger Avenue to downstream Bolsa Avenue.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$21,000,000</p>	<p>\$5,250,000</p>	<p>\$15,750,000</p>				<p>Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is a high priority; it overflows into the largest Special Flood Hazard Area in Orange County, the East Garden Grove-Wintersburg Channel. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>

<p>Santa Ana-Santa Fe Channel (OCFCD Facility No. F10) from confluence with Peters Canyon Channel to downstream Redhill Avenue.</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$21,000,000</p>	<p>\$5,250,000</p>	<p>\$15,750,000</p>				<p>Yes this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is one of OCFCD's highest priorities; it is the last segment of the channel system to be constructed. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions; this project is listed on the third tier from being budgeted.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>
<p>Haster Retarding Basin and Pump Station (OCFCD Facility No. C05B02/C05PS1)</p>	<p>Orange County, Public Works, Flood Control Section, Flood Programs</p>	<p>\$27,119,078</p>	<p>\$6,779,770</p>	<p>\$20,339,308</p>				<p>Yes, this project is on the Flood Control Capital Improvement Project Plan which is a list of prioritized projects through a 7-year period. This channel system is OCFCD's highest priority capital improvement project; when the downstream segments are constructed, this project will advance the tiers towards the budgeted year. If it advances to a budgeted year in mid-fiscal year, funds will be appropriated to construct this project. Funds for flood control capital improvement projects.</p>	<p>Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.</p>

East Garden Grove-Wintersburg Channel (OCFCD Facility No. C05) from Tidegates to upstream Warner Avenue.	Orange County, Public Works, Flood Control Section, Flood Programs	\$44,000,000	\$11,000,000	\$33,000,000				Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. This project has been budgeted for this fiscal year and will continue to be budgeted in next fiscal year if necessary. This is OCFCD's highest priority capital improvement project.	Yes. Funds for flood control capital improvement projects, including O&M come mainly from property taxes and state contributions. O&M is ongoing for this channel system and is budgeted every fiscal year.
Lake Mathews Watershed Master Water Quality Improvement Project Phase II	Riverside County Flood Control & Water Conservation District	\$8,000,000	\$6,000,000	\$2,000,000				\$1.3 M has been secured among the 3 project partners. This project is shown in current budgets.	O&M funding will be provided by MWD and the RCFC&WCD. Maintenance is provided by agencies with stable funding sources.
San Jacinto River Gap Project	Riverside County Flood Control & Water Conservation District	\$40,000,000	\$30,000,000		\$6,000,000	\$4,000,000			O&M will be provided by the Lead Agency in perpetuity. This funding is certain.
Well 17 & 18 Water Treatment Facility	Rubidoux Community Services District	\$5,000,000	\$5,000,000						Potential adjustment to user fees to cover the costs of O&M for this project.
Goldenwest 6 MG Tank	Rubidoux Community Services District	\$4,750,000	\$4,750,000						The project will have minimal initial impact to the RCSD O&M budget.
24" Mission Blvd Pipeline (Carrera to Goldenwest tank)	Rubidoux Community Services District	\$1,500,000	\$1,500,000						Proposed project will have minimal impact on existing O&M costs.
Rubidoux Community Services District Emergency Interconnections	Rubidoux Community Services District	\$2,000,000	\$2,000,000						Proposed project will have minimal impact on existing O&M costs.

Septic System Source Water Elimination Water Source Protection Project	Rubidoux Community Services District	\$3,000,000	\$3,000,000						Potential adjustment to user fees to cover the costs of O&M for this project.
Pacific Avenue 16" and 12" Water Pipeline	Rubidoux Community Services District	\$1,000,000	\$1,000,000						The proposed project will have minimal impact on existing O&M costs.
A Shared Workspace is the Foundation for Collaborative Watershed Management.	S4S Solutions Inc.	\$80,000	\$60,000			\$20,000			
Cactus Basins No. 4 and No. 5	San Bernardino County Flood Control District	\$21,600,000	\$6,600,000	\$15,000,000					The project is located in the Flood Control Districts Zone 2. As such, the project will receive perpetual O&M funding through the zones budget by various means of revenue such as property taxes, interests, and various fees. District staff has discretion as to how the budget is appropriated and can make adjustments to ensure that all existing facilities within the zone are properly maintained and operated.
Mission Zanja Creek Feasibility Study	San Bernardino County Flood Control District	\$1,000,000	\$250,000	\$750,000				The project is located in the Flood Control Districts Zone 3. As such, the project will receive perpetual O&M funding through the zones budget by various means of revenue such as property taxes, interests, and various fees. District staff has discretion as to how the budget is appropriated and can make adjustments to ensure that all existing facilities within the zone are properly maintained	The project is located in the Flood Control Districts Zone 3. As such, the project will receive perpetual O&M funding through the zones budget by various means of revenue such as property taxes, interests, and various fees. District staff has discretion as to how the budget is appropriated and can make adjustments to ensure that all existing facilities within the zone are properly maintained and operated.

									and operated.
Cable Creek Basin and Spreading Grounds	San Bernardino County Flood Control District	\$1,000,000	\$250,000	\$750,000					The project is located in the Flood Control Districts Zone-2. As such, the project will receive perpetual O&M funding through the zones annual budget by various means of revenue such as property taxes, interests, and various fees. District staff has discretion as to how the budget is appropriated and can make adjustments to ensure that all existing facilities within the zone are properly maintained and operated.
Lytle Cajon Basin	San Bernardino County Flood Control District	\$1,000,000	\$250,000	\$750,000					The project is located in the Flood Control Districts Zone 2. As such, the project will receive perpetual O&M funding through the zones budget by various means of revenue such as property taxes, interests, and various fees. District staff has discretion as to how the budget is appropriated and can make adjustments to ensure that all existing facilities within the zone are properly maintained and operated.
Etiwanda/San Sevaine Basins 1 through 4	San Bernardino County Flood Control District	\$4,000,000	\$1,000,000	\$3,000,000					The project is located in Flood Control District Zone 1. As such, the project will receive perpetual O&M funding through the zones budget by various means of revenue such as property taxes, interests, and various fees. District staff has discretion as to how the budget is

									appropriated and can make adjustments to ensure that all existing facilities within the zone are properly maintained and operated.
West Fontana Basin	San Bernardino County Flood Control District	\$10,000,000	\$2,000,000	\$8,000,000					The project is located in the Flood Control Districts Second Zone. As such, the project will receive perpetual O&M funding through the zones budget by various means of revenue such as property taxes, interests, and various fees. District staff has discretion as to how the budget is appropriated and can make adjustments to ensure that all existing facilities within the zone are properly maintained and operated.
Cactus Basins No. 3 and No. 3A	San Bernardino County Flood Control District	\$10,000,000	\$1,000,000	\$9,000,000					The project is located in the Flood Control Districts Second Zone. As such, the project will receive perpetual O&M funding through the zones budget by various means of revenue such as property taxes, interests, and various fees. District staff has discretion as to how the budget is appropriated and can make adjustments to ensure that all existing facilities within the zone are properly maintained and operated.
Seven Oaks Dam and Reservoir Construction Area	San Bernardino Valley Municipal Water District	\$31,322,347	\$23,491,760	\$7,830,587				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$2,951,309.

DWR Pump Station Alternative 2	San Bernardino Valley Municipal Water District	\$23,000,000	\$17,475,000	\$5,525,000				Funding will be provided by SBVMWD.	
DWR Pump Station Alternative 1	San Bernardino Valley Municipal Water District	\$23,000,000	\$17,475,000	\$5,525,000				Funding will be provided by SBVMWD.	
Surface Water Treatment Plant(s)	San Bernardino Valley Municipal Water District	\$70,000,000	\$52,500,000	\$17,500,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$1,900,000.
Active Recharge Project in the Tributaries of the Santa Ana River	San Bernardino Valley Municipal Water District							TBD. Conceptual Design Phase.	
West End Pump Station	San Bernardino Valley Municipal Water District	\$10,000,000	\$7,500,000	\$2,500,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$872,000.
Lytle Creek Turnout	San Bernardino Valley Municipal Water District	\$2,300,000	\$1,725,000	\$575,000				Provided by SBVMWD.	Annual maintenance cost estimated at \$362,752.
Orange Street Connector Pipeline	San Bernardino Valley Municipal Water District	\$4,900,000	\$3,675,500	\$1,225,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$427,280.
Santa Ana River Construction Area	San Bernardino Valley Municipal Water District	\$41,061,082	\$30,795,812	\$10,265,270				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$4,010,600.

Baseline Feeder West Extension	San Bernardino Valley Municipal Water District	\$30,300,000	\$22,725,000	\$7,575,000				Funding will be provided by SBVMWD.	
City Creek Crossing	San Bernardino Valley Municipal Water District	\$5,200,000	\$3,900,000	\$1,300,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$453,440
Model Institutional Water Conservation Makeover	San Bernardino Valley Municipal Water District	\$345,000	\$258,750	\$86,250				A variety of grant, rebate, and public funds available for this purpose will be utilized. Additional funding will be provided by SBVMWD. In-kind assistance from CSUSB faculty and students will be donated in-kind.	Annual maintenance cost estimated at \$30,084
Yucaipa Lakes Pipeline Replacement	San Bernardino Valley Municipal Water District	\$760,000	\$570,000	\$190,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$66,272.
Mentone Pipeline	San Bernardino Valley Municipal Water District	\$1,090,000	\$817,500	\$272,500				Funding will be provided by SBVMWD.	Estimated to be \$95,048 (assuming project life of 20 years).
Devil Canyon Construction Area	San Bernardino Valley Municipal Water District	\$1,720,000	\$1,290,000	\$430,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$157,984.
Redlands Reservoir	San Bernardino Valley Municipal Water District	\$1,800,000	\$1,350,000	\$450,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$156,960.
Glen Helen Turnout	San Bernardino	\$1,860,000	\$1,395,000	\$465,000				Funding provided by SBVMWD.	Annual maintenance cost estimated at \$362,752.

	Valley Municipal Water District								
San Bernardino Pump Station #1	San Bernardino Valley Municipal Water District	\$2,900,000	\$2,175,000	\$725,000				Funding will be provided by SBVMWD.	
Baseline Feeder Pump Station (East and/or West Alternative)	San Bernardino Valley Municipal Water District	\$3,100,000	\$2,325,000	\$775,000				Funding will be provided by SBVMWD.	
Yucaipa Connector	San Bernardino Valley Municipal Water District	\$4,500,000	\$3,375,000	\$1,125,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$392,400.
Alabama Street Well Field	San Bernardino Valley Municipal Water District	\$4,500,000	\$3,375,000	\$1,125,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$392,400.
San Bernardino Reservoir	San Bernardino Valley Municipal Water District	\$4,500,000	\$3,375,000	\$1,125,000				Funding will be provided by SBVMWD.	
Baseline Feeder Well Replacement Project	San Bernardino Valley Municipal Water District	\$7,430,000	\$5,572,500	\$1,857,500				Funding will be provided by SBVMWD, West Valley Water District, City of Rialto and Riverside Highland Water Company.	
Enhanced Stormwater Capture and Recharge along the Santa Ana River	San Bernardino Valley Municipal Water District	\$8,000,000	\$6,000,000	\$2,000,000				Funding will be provided by SBVMWD, WMWD, and the City of Riverside.	Annual maintenance cost estimated at \$977,600.
Alabama Street Connector Pipeline	San Bernardino Valley	\$9,000,000	\$6,750,000	\$2,250,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$784,800.

	Municipal Water District								
South End Feeder	San Bernardino Valley Municipal Water District	\$11,500,000	\$8,625,000	\$2,875,000				Funding will be provided by SBVMWD	No, but annual cost will be \$1,002,800 for its projected 20 year lifespan.
San Bernardino Pump Station #2	San Bernardino Valley Municipal Water District	\$12,000,000	\$9,000,000	\$3,000,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$1,046,400.
Yucaipa Lakes Pump Station	San Bernardino Valley Municipal Water District	\$12,900,000	\$9,675,000	\$3,225,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$1,364,880.
Lytle Creek Construction Area	San Bernardino Valley Municipal Water District	\$13,500,000	\$10,125,000	\$3,375,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$1,364,400.
Enhanced Stormwater Capture and Recharge along the Santa Ana River Phase II	San Bernardino Valley Municipal Water District	\$22,000,000	\$16,500,000	\$5,500,000				Funding will be provided by SBVMWD, Western Municipal Water District and the City of Riverside.	Annual maintenance cost estimated at \$1,000,000.
9th Street Feeder	San Bernardino Valley Municipal Water District	\$24,100,000	\$18,075,000	\$6,025,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$2,101,520.
Foothill Pipeline Enlargement	San Bernardino Valley Municipal Water District	\$25,000,000	\$18,750,000	\$6,250,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$2,180,000.
Morton Canyon Hydroelectric Generation Plant	San Bernardino Valley Municipal Water	\$38,000,000	\$28,500,000	\$9,500,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$3,313,625.

	District								
Central Feeder Pipeline	San Bernardino Valley Municipal Water District	\$41,213,536	\$30,910,152	\$10,303,384				Funding provided by SBVMWD.	
North Lake Project	San Bernardino Valley Municipal Water District	\$133,000,000	\$99,750,000	\$33,250,000				Funding will be provided by SBVMWD.	Annual maintenance cost estimated at \$11,597,600.
Water Conservation Demonstration Garden	San Bernardino Valley Municipal Water District	\$115,000	\$86,250	\$28,750				Valley District will fund the project and in-kind assistance from the CSUSB faculty and students will be donated in-kind. Also, in-kind donations from plant suppliers are being discussed, but anything not donated will be covered by Valley District.	Valley District is overseeing the project and will provide O&M funding. (\$10,028)
Constructed Wetland Habitat Restoration and Water Reclamation project for the Santa Ana River Borrow Pit.	San Bernardino Valley Water Conservation District	\$4,400,000	\$1,000,000		\$2,400,000	\$1,000,000			
Upper Santa Ana Watershed Alluvial Scrub Habitat Restoration Project and Mitigation Banking Assessment	San Bernardino Valley Water Conservation District	\$225,000	\$130,000	\$35,000		\$60,000		The collaborative partnerships and verbal commitments of matching funds and in-kind support, together offers multiple-objective benefits. The project scope is integrated with existing programs that are mutually beneficial for each entity as well as benefiting the watershed and IRWMP goals. Primary benefits include: cost savings;	Proposal includes IRWMP Basin Management Objectives (BMOs): management of the groundwater basins (San Bernardino Basin Area), cooperation with BTAC to monitor groundwater levels for liquefaction risk reduction, avoiding impacts of the various groundwater contaminant plumes, enhancing spreading basins' capabilities, and recycling wastewater for groundwater enhancement. This

								Job creation in an area facing 15% unemployment; Carbon sequestration; Water Supply and watershed protection.	project will work within these constraints and are included in the District's O&M budget scope.
Santa Ana Watershed Vireo Monitoring and Breeding Bird Surveys	Santa Ana Watershed Association	\$1,167,846	\$875,885				\$291,961	Funding is secure for the match portion of the total, provided through SAWAs operational funding. Certainty is 90 percent.	
Brine Line (SARI) Solids Control Structures	Santa Ana Watershed Project Authority	\$2,000,000	\$1,500,000					A total of \$611,010 has been secured for the project from Proposition 50 funds. These funds are independent of the amount identified above.	O&M costs will be included in the Brine Line (SARI) annual budget.
Brine Line Maintenance Access Structures, Reach V and Reach IVB	Santa Ana Watershed Project Authority	\$5,600,000	\$4,600,000	\$1,000,000					O&M of the SARI line is included within the SAWPA two year budget. The budget is approved by the Commission every two years.
Inland Empire Brine Line Capacity Pool Program	Santa Ana Watershed Project Authority	\$6,025,000	\$4,150,000	\$1,875,000				Local share consists of use of pipeline capacity owned by SARI member agencies.	Participation in the program by local business partners provides O&M funding
Characterization and optimization of cost-effective treatment wetlands for surface water quality improvement	Santa Ana Watershed Project Authority	\$300,000	\$150,000	\$150,000					
Big Bear Lake Hypolimnetic Oxygenation System	Santa Ana Watershed Project Authority	\$1,500,000	\$1,125,000	\$375,000					
Brine Line (SARI) Flow Equalization Structure	Santa Ana Watershed Project Authority	\$2,000,000	\$1,500,000	\$500,000					O&M of the SARI Flow Equalization Structure would be included in the SARI Enterprise Operation and

									Maintenance budget.
Brine Line (SARI) SCADA System	Santa Ana Watershed Project Authority	\$25,000,000	\$4,000,000	\$1,000,000				\$20,000,000	O&M funding for the project is funded through SAWPAs two year budget for O&M of the Brine Line. The budget is approved by the SAWPA Commission every two years.
Repairs to the Unlined RCP Reach IVA and Reach IVB Santa Ana Regional Interceptor (SARI)	Santa Ana Watershed Project Authority	\$25,000,000	\$4,000,000	\$1,000,000				\$20,000,000	O&M funding for the project is funded through SAWPAs two year budget for O&M of the Brine Line. The budget is approved by the SAWPA Commission every two years.
Borrego Canyon Wash Bypass Channel Improvements within the portion of Shea/Baker Ranch Property (Bypass Channel)	Shea/Baker Ranch, LLC	\$15,500,000	\$6,200,000			\$9,300,000			
San Bernardino National Forest Ecological Restoration and Watershed Improvement	USDA Forest Service - San Bernardino National Forest	\$8,001,000	\$1,000,000	\$277,000	\$6,012,000	\$712,000		For 2010, the In-Kind and about half of the federal contribution has been secured. The plan is expected to take 3 years to implement with the total funding equaling \$8 million.	O&M is not applicable in general. Funding to complete the 2200 acres of wildfire reduction fuels treatment and associated watershed and habitat improvement projects will take 3 years and then be complete.
1N09 Reconstruction and Water Quality Improvement	USDA Forest Service - San Bernardino National Forest	\$430,000	\$215,000		\$215,000				
Perchlorate Wellhead Treatment System Pipelines	West Valley Water District	\$1,541,000	\$1,541,000						
Perchlorate Wellhead Treatment System Wells and SCADA	West Valley Water District	\$1,315,000	\$1,315,000						
Arlington Basin Water Quality Improvement Project	Western Municipal Water District	\$726,000	\$216,000	\$51,000				Included in Westerns operating budget.	Not applicable for a study.

La Sierra Pipeline Project	Western Municipal Water District	\$16,000,000	\$3,000,000	\$9,000,000	\$4,000,000			Reclamation funds authorized under H.R. the Omnibus Land Management Act of 2009; Western funds included in Westerns capital improvement program.	O&M funding covered in Water Supply Reliability Fee adopted by Western and going in to affect September 1, 2010.
Chino II Desalter Treated Water Pump Station	Western Municipal Water District	\$2,970,000	\$1,485,000	\$1,485,000				Yes, budgeted for in Westerns capital improvement program	O&M funds will be covered by sale of resultant product water
Chino Creek Wellfield, Wells 1, 2, and 3	Western Municipal Water District	\$6,700,000	\$1,675,000	\$5,025,000				The project is included in Westerns Capital Improvement Program.	The project will be a part of Westerns O&M budget once constructed.
Arlington Desalter Biodenitrification Construction	Western Municipal Water District	\$10,780,000	\$5,390,000	\$5,390,000				Budgeted for in Westerns capital improvement program	O&M funds will be covered by sale of resultant product water
Riverside-Corona Feeder Wells	Western Municipal Water District	\$7,500,000	\$2,000,000	\$3,625,000	\$1,875,000			Covered in Water Supply Reliability Fee adopted by Western which will go in affect September 1, 2010. Federal funds authorized under H.R. the Omnibus Land Management Act of 2009.	Once constructed the project will become a part of Westerns O&M budget.
Chino II Desalter Brine Minimization	Western Municipal Water District	\$30,600,000	\$4,590,000	\$18,360,000	\$7,650,000			Funds budgeted for in Westerns capital improvement program.	O&M funds will be covered by sale of resultant product water.
San Jacinto Watershed Urban and Agricultural Land Use Survey and Impervious Surface Mapping	Western Riverside County Agriculture Coalition	\$625,000	\$312,500	\$25,000		\$287,500			
TOTAL		\$3,573,715,736	\$1,679,678,400	\$1,349,107,497	\$87,440,000	\$21,540,506	\$57,750,000		