



Main San Gabriel Basin  
**WATERMASTER**

# 2016–2017

## ANNUAL REPORT

**FOCUSED ON IMPROVING WATER SUPPLY MANAGEMENT,  
DEVELOPING NEW WATER SOURCES, AND INCREASING CONSERVATION**



*Main San Gabriel Basin Watermaster is the agency charged with administering adjudicated water rights and managing groundwater resources within the watershed and groundwater basin known as the Main San Gabriel Basin.*

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# GROUNDWATER BASIN LOWER, BUT STILL CONTAINS 7.42 MILLION ACRE- FEET OF WATER

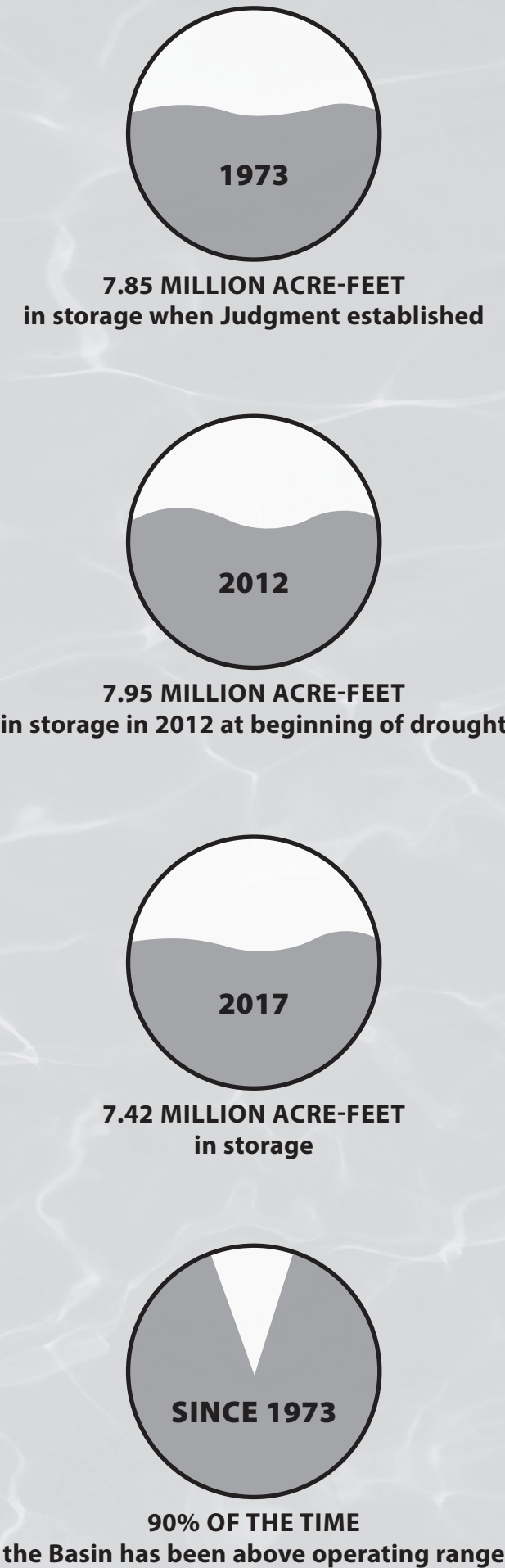
## Watermaster's Management of the Main Basin Since 1973 Has Been Successful

Between 1973, when Watermaster was formed, and 2010-11, right before the recent drought, the groundwater Basin levels were maintained across that 39-year period despite yearly fluctuations.

However, the absence of local stormwater run-off for replenishment (almost 400,000 acre-feet) during the recent five-year drought led to a decrease of about 50 feet in elevation at the Key Well.

To restore the Basin to balance and ensure long-term water supply sustainability, Watermaster continues to implement many new and aggressive groundwater management actions as described throughout this report.

Cover photo of Chrisman Pumping Plant courtesy of California Department of Water Resources.



# WATERMASTER TAKES ACTION TO EXTEND ITS GROUNDWATER MANAGEMENT TO ENSURE LONG-TERM WATER SUPPLY RELIABILITY

**Basin Balanced for 39 Years.** In the 39 years leading up to the recent historical five-year drought, Watermaster effectively managed groundwater levels to ensure a balanced Basin while providing adequate supplies during both drought and high-rainfall years. In fact, this management is what sustained supplies during the most recent five-year drought, which had little to no local rainfall.

**Drought Took a Toll.** During the five years of drought, we took wide-ranging actions to continue providing adequate water supplies. While we successfully traversed the drought, to do it, we needed to pump out nearly 400,000 acre-feet of water, which was not replaced due to lack of rainfall and limited availability of imported water. Last year, despite above average rainfall, there was little recharge of the Basin because the ground was so dry that the watershed soaked up the rainfall, leaving little for rivers, reservoirs and recharge.

**More Programs Developed to Refill the Basin.** The most impressive action was to increase the amount collected from the Water Resource Development Assessment (RDA) from \$20 to \$40 dollars per acre-foot of water pumped, with planned increases up to \$175 per acre-foot within five years. This, alone, will ultimately raise over \$30 million per year to purchase supplemental water to help refill the Basin.

**We Are Also Making Progress on The Regional Recycled Water Project** with our partners to bring in large amounts of recycled water – enough to replace our historical imported Replenishment Water and, perhaps, much more.

**Completed a Revised Cleanup Agreement, Resulting in Massive Benefits to Ratepayers.** The revised Baldwin Park Operable Unit Agreement requires the parties responsible for contamination to pay for the cleanup for another decade. They will ultimately pay well over one-half billion dollars, providing a massive savings to ratepayers, many in Disadvantaged Communities. We are very proud of this achievement made with our many partners.

**Thank You to All Our Partners!** We took many other actions as described throughout this report. Of course, this year's successes were only possible due to the great spirit of collaboration among the many stakeholders within our Basin and across the region that we work with and depend on every day.

**Tony Zampiendo**  
Executive Officer  
*pictured far right*



BPOU court approval  
hearing participants.



# Active Groundwater Management is Speeding Up Groundwater Recovery

*Without the actions of Watermaster and the Producers, Basin water supply conditions would have been much worse.*

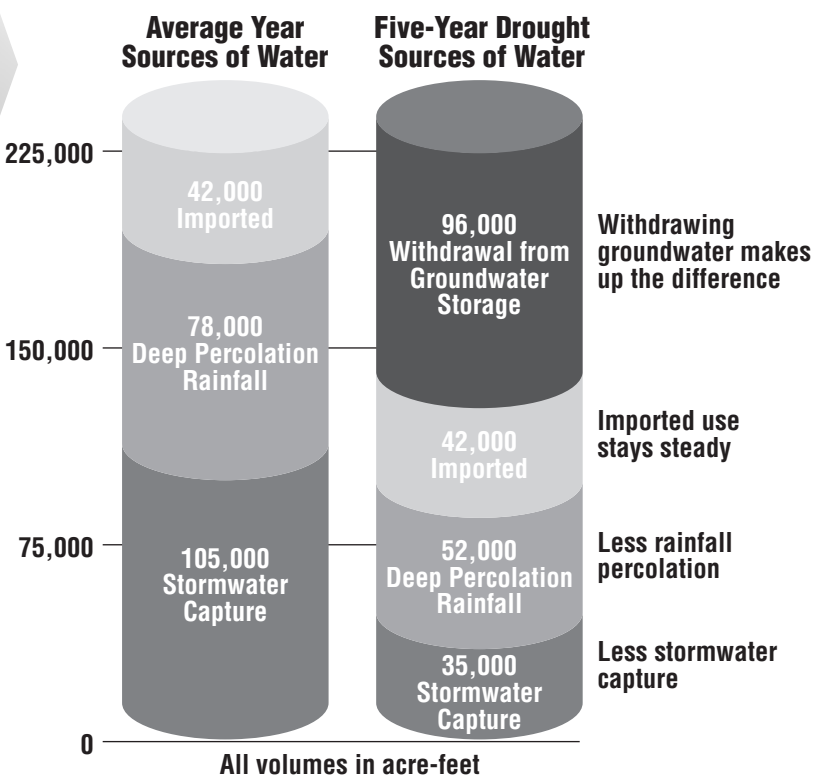
As the recent historical drought deepened, it impacted the Main San Gabriel Basin storage. Most significant was the almost 400,000 acre-feet of water that was pumped from the Basin to meet water demands, which could not be replaced because of the lack of rainfall and unavailability of imported Replenishment Water.

Throughout the drought, Watermaster mitigated the drought’s impacts by engaging with its stakeholders to develop and implement extensive changes to its Rules and Regulations, and to develop new tools to increase water supply flexibility and adaptability.

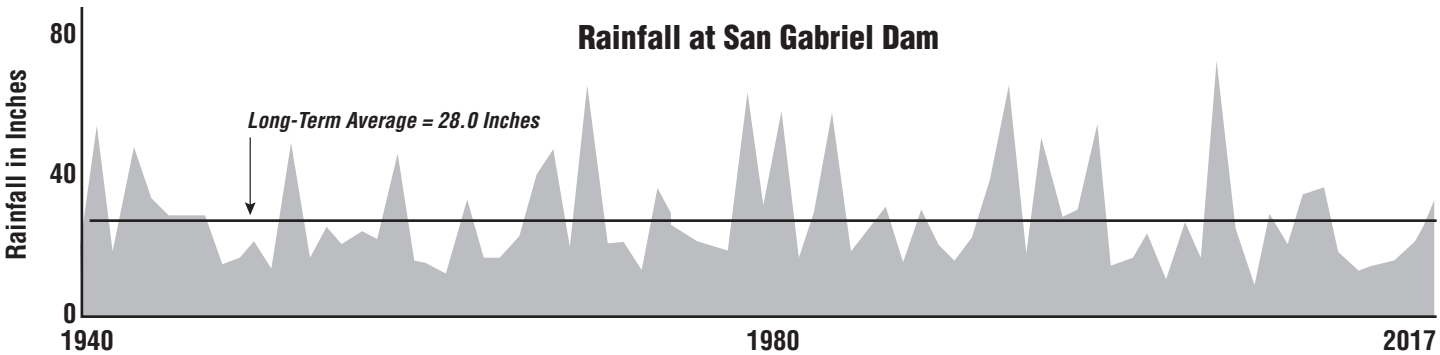
This year, Watermaster took additional steps, most notably making a large increase in the RDA to finance the purchase of additional water to refill the Basin.

### MIX OF WATER RESOURCES CHANGED DURING THE DROUGHT

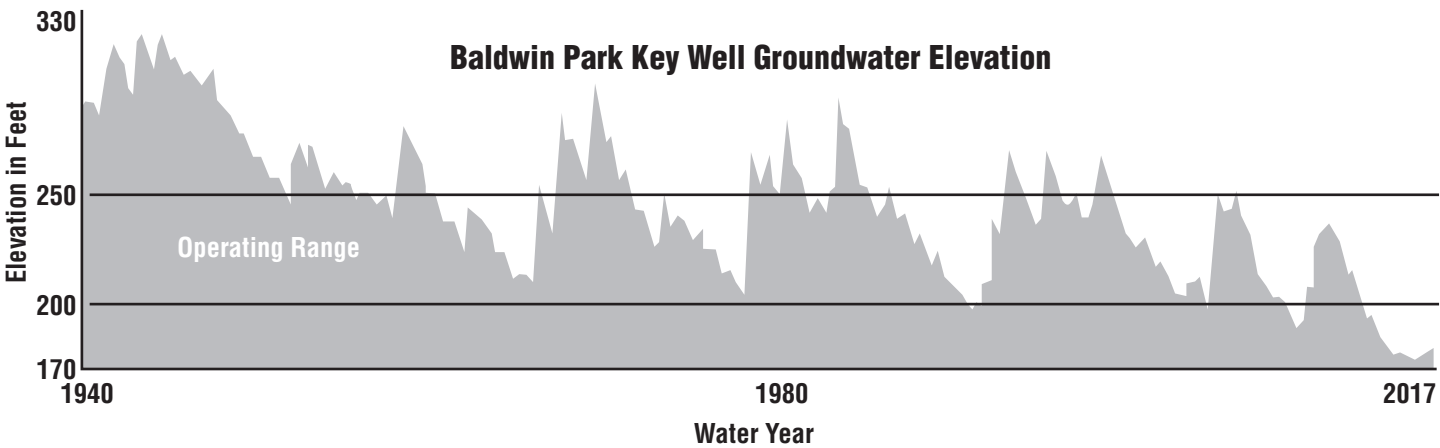
During the drought, there was a substantial loss of deep percolation of rainwater and stormwater available for capture. The lost water was made up by withdrawing stored groundwater and now needs to be replaced.



In both average years and drought years the supply is about 23% imported and 77% local water. The difference is that during drought years, additional groundwater is withdrawn from storage to make up for lack of rainfall and stormwater percolation.

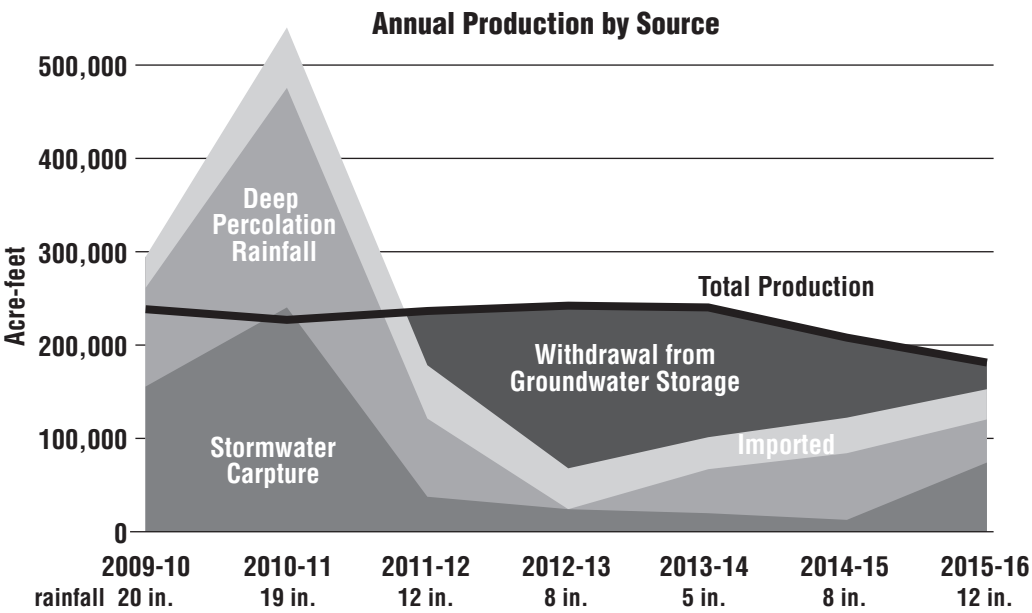


After five straight years of below average rainfall, among the lowest recorded in the region, this year the Basin received 32.5-inches of rainfall compared to the long-term average of 28-inches of rainfall.



Because this year the soil was so parched after five years of drought, the above average rainfall only resulted in limited increases in groundwater elevation. At the Key Well, for example, water levels rose only 5.8 feet to 179.4 feet. In some historical very wet years, Key Well levels have come up 25 feet or more.

*Over the previous five years, average annual precipitation has been about 50 percent of average, and the groundwater levels decreased by an annual average of about 12 feet per year (about 96,000 acre-feet per year)*



During the drought, the lack of stormwater capture and deep percolation of rainfall was made up by withdrawing groundwater from the Basin.



# New Programs are Increasing Water Supply and Storage

*The Regional Recycled Water Program could reliably generate up to 70,000 acre-feet of water in both wet and dry years for the San Gabriel Valley.*

Before and during the recent five-year drought, Watermaster developed and implemented changes to its Rules and Regulations, and developed and instituted new studies, programs and plans to address the drought as it progressively worsened. These programs will continue even during wet years, and will ensure long-term water supply reliability for the San Gabriel Valley.

## PROGRESS ON RECYCLED WATER PROGRAMS

### Studies Demonstrate Reliability of Planned Regional Recycled Water Program.

Watermaster is working closely with Metropolitan Water District of Southern California (MWD) and other regional stakeholders on the Regional Recycled Water Program, commonly called the Carson Project.

This year's activities included running several computer-modeling scenarios, which demonstrated that the Recycled Water Program is capable of serving as a reliable, long-term source of recycled water for recharge.

**Recycled Water Benefits Will Be Substantial.** If the region takes 40,000 acre-feet of this recycled water each year, it would replace the historic average imported Replacement Water requirement. If Watermaster takes up to 70,000 acre-feet per year, Watermaster could increase annual safe yields to allow Producers to pump more water from the Main San Gabriel Basin without paying a Replacement Water assessment, and potentially rely less on imported water. It may also provide an opportunity to enhance adjacent basins with groundwater reliability.

In addition, this year Watermaster worked with local City Managers to explain more about the Regional Recycled Water Program, its costs and long-term benefits.

### Next Steps in the Recycled Water Program.

Watermaster will undertake a more refined evaluation regarding water quality. Even though the recycled water itself is very high-quality, full-advanced treated water, it is important to ensure that the recycled water would not cause existing groundwater contaminants to migrate. All costs associated with this evaluation are being funded by MWD.

**Also Continuing to Work with the Indirect Reuse Replenishment Project (IRRP).** Watermaster is collaborating with Upper San Gabriel Valley Municipal Water District (USGVMWD) on its IRRP project, which is under development to promote local recycled water use in the Basin.

*View of a booster station in the San Gabriel Valley, an example of the complexities involved in extracting and moving groundwater across the 167 square-mile Basin.*

## DEMONSTRATING COMMITMENT TO LONG TERM WATER RELIABILITY

### The Resource Development Assessment II (RDA II) Stormwater Augmentation Program was Developed to Help Manage Basin Water Supplies Under "Worst Case" Drought Conditions.

Worst case drought is defined as 15 years under the same conditions as the recent five-year severe drought. The new RDA II is intended to purchase available imported replenishment water, as stormwater augmentation, to maintain the Key Well elevation above 180 feet in the event of future severe droughts.

In May 2017, Watermaster adopted the RDA II at \$40 per acre-foot for 2016-17, with a proposed five-year schedule to increase it to \$175 per acre-foot by 2020-21.

### RDA I Water Purchased for Future Emergency Storage for Second Year in a Row.

The original RDA program (RDA I) will continue, but it is currently a lesser priority than RDA II. RDA I water is purchased and stored for use in a potential catastrophic emergency, such as a major earthquake, along the State Water System that would prevent deliveries of imported water.

In the first two years of the program, Watermaster collected nearly \$7.8 million in Water Resource Development Assessments (RDA) fees. This source of funding is part of a goal to purchase 100,000 acre-feet of water within ten years and store it for future need. The total volume of water purchased and stored to-date in this program is approximately 12,760 acre-feet.

*View of the Colorado River Aqueduct.*

## WHY THE RDA NEEDED TO BE AUGMENTED WITH MORE FUNDING

**Imported Water Supplies are Increasingly Variable in Availability.** In dry years little or no imported water may be available, and during wet years large surpluses can be available.

**Lengths and Depths of Droughts Are Increasing.** The length of dry periods can be long. For example, 15 of the past 19 years had below average rainfall, and the recent five-year drought was the driest in state history.

**As a Result, Watermaster Must be Able to Take Larger Amounts of Imported Water.** The RDA ensures that Watermaster has the funding mechanism and money to purchase imported water during the limited times that it is available.



## New Programs are Increasing Water Supply and Storage cont.

### CHANGES MADE TO INCREASE CYCLIC STORAGE

**Created Incentive for Producers to Purchase Cyclic Storage Water.** Producers who expect to pump beyond their water right to meet system demands, can pre-purchase imported water and store it in their Cyclic Storage Account. The stored groundwater can be withdrawn later to meet future Replacement Water obligations. Watermaster provides an incentive for Producers to purchase Cyclic Storage water by allowing it to be pre-purchased for Individual Producer Cyclic Storage, when available, at the prevailing rate from the three imported water suppliers, also called Responsible Agencies, rather than at the higher Replacement Water Rate. Because Cyclic Storage Water is purchased and stored before anticipated future rate increases, it saves Producers money.

**Cyclic Storage with Responsible Agencies.** Watermaster also maintains Responsible Agency Cyclic Storage Agreements with the three imported water suppliers in the Basin. Together, they can store up to about 190,000 acre-feet.

### ANNUAL OPERATING SAFE YIELD (OSY) HELD LOW FOR THIRD STRAIGHT YEAR

**Lowering the OSY Encourages Decreased Groundwater Pumping and Increased Imported Water Purchases.** Since the Operating Safe Yield can directly impact the quantity of imported supplemental water that may be purchased and replenished, the OSY is key to managing water supplies in the Basin. The OSY this year was set at 150,000 acre-feet, well below the long-term average of 200,000 acre-feet. The key impact of a low OSY is that it requires the purchase of additional replenishment water to meet demands, while helping to refill the Basin. Because there is no limit on pumping in the Basin, pumping in excess of water rights requires the pumper to pay a Replacement Water Assessment, which is then used to purchase imported replenishment water to make up for that additional pumping and, at the same time, promote conservation.

**Watermaster Plans to Keep the OSY Low.** Although set each year, Watermaster plans to hold the OSY steady until the elevation at the Key Well is comfortably within the range of the Basin operating criteria (200 to 250 above mean sea level) for multiple consecutive years and groundwater levels recover.

**Designed for Fairness.** A low OSY can be costly for Basin Producers as it reduces their annual pumpers share and their ability to meet system demands without incurring a Replacement Water obligation. To ensure costs are shared equitably, Watermaster will endeavor to balance the costs of the RDA II Program and the impacts of the OSY each year.

### CONTINUED EFFORT TO MAXIMIZE STORMWATER CAPTURE

Watermaster has been working in recent years with Los Angeles County's Department of Public Works, USGVMWD, and area municipalities to expand stormwater capture. Six stormwater capture projects were identified with a potential to provide up to 15,000 acre-feet annually of new water during above-average wet years. Four of these projects have been implemented or funded.

### PRE-PURCHASES OF REPLENISHMENT WATER PROTECT ALLOCATIONS AND SAVE MONEY

If Responsible Agencies do not use their full allocation of MWD delivery water, the allocation could, under current guidelines, potentially be decreased. Therefore, Watermaster changed its approach to allow water to be pre-purchased and stored in the Basin for future need. This not only helps to maintain replenishment allocations, but also saves money since pre-purchased water is bought early before anticipated future rate increases.

# Streamlining Administration

*Watermaster routinely evaluates its administrative, technical, and financial actions, seeking improvements to increase effectiveness and lower costs to better serve water Producers throughout the Basin.*

### DEVELOPED BASINWIDE RESPONSE TO SELF-CERTIFICATION PERMITS

**In 2016, the State Required That Every Urban Water Supplier Submit a Self-Certification** stating that they have adequate supplies to meet customer needs for three years. Watermaster assisted Producers as needed, and developed a Basinwide response to the Department of Water Resources regarding these reports.

### ASSESSMENTS HELD UNCHANGED

**Administration Assessment Remains Unchanged.** The Administration Assessment was held unchanged at \$15.00 per acre-foot. The amount collected was approximately \$300,000 less than expected due to reduced groundwater production in 2015-16.

**In-Lieu Assessment.** The In-Lieu Assessment was also held steady at \$10.00 per acre-foot.

### RDA Assessment Increased and Program Expanded.

The RDA was increased from \$20 to \$40 and is planned to increase in increments to as much as \$175 per acre-foot by the fifth year. The program was also modified to better respond to future drought needs and climate change.

### ADMINISTRATIVE EFFICIENCY AND COST-SAVING ACTIONS

**Additional Steps to Increase Office Efficiency.** Staff continued taking steps towards becoming a paper-free office by scanning and archiving existing documents and refining the digital filing system. Management improved work station ergonomics by transitioning to standup work stations for staff.

**Lower-Cost Phone System.** A new internet-based phone system was installed which will lower costs, and includes the ability to receive voicemails via email, providing greater connectivity and response times to Producer requests.

**Developed Digital Registration Process.** Watermaster administers the San Gabriel Valley and Central Basin Water Associations, and developed an internet-based, electronic process to coordinate and streamline event registration.

**Joined Collaborative Public Agency Insurance Program.** Watermaster has historically obtained employee health insurance coverage from a statewide water collaborative called Association of California Water Agencies – Joint Powers Insurance Authority (ACWA/JPIA). This year Watermaster extended its coverage with ACWA/JPIA to include Workers Compensation, General Liability and Property insurance, previously obtained from a commercial broker. This comes with access to training and support for a wide variety of needs, such as Safety, Risk, and Human Resources, while saving \$3,000 per year.

*Working to increase efficiency and lower costs for Producers is an ongoing priority for Watermaster.*



# How Watermaster is Taking Action to Refill the Basin

*Watermaster and Basin Producers implemented wide-ranging and unprecedented programs to manage local water supplies, purchase and store water, and increase conservation. These programs are what allowed Watermaster to maintain water supplies through the recent drought, and are now helping to refill the Basin and ensure continued future water supply reliability.*

## ...THROUGH CONSERVATION

### **Promoted Public Outreach/Conservation.**

Watermaster declared “drought conditions” and worked with the San Gabriel Valley Water Association and Producers to report on water supply status and promote conservation.

## ...THROUGH COLLABORATION

**Conducted Basinwide Low Water Vulnerability Assessment.** During the drought, Watermaster evaluated the potential impacts to wells and supported water purveyors’ potential use of inter-connections, which could be used to distribute imported water in the event groundwater supplies were impacted.

**Assisted Drought Impacted Purveyors.** Some wells were in danger of running dry, so Watermaster and the Responsible Agencies coordinated the delivery of 80,000 acre-feet of untreated imported water, helping keep these wells in service.

## ...BY FUNDING AND BUYING WATER

**The Resource Development Assessment (RDA I)** is designed to help address a potential loss of imported supplies due to a catastrophic event or emergency such as earthquake, flooding, or drought.

**Development of Stormwater Augmentation Program (RDA II).** Watermaster expanded the original RDA to allow for the purchase of imported water to supplement the shortage of local stormwater runoff and natural replenishment.

## ...BY PROVIDING INCENTIVES TO STORE WATER

**Incentivized Pre-purchase of Replacement Water.** The Replacement Water assessments were restructured to provide a financial incentive to purchase and store more imported replenishment water in Producer Cyclic Storage.

**Exercised New Storage and Export Agreement,** to deliver additional imported water for replenishment.

## ...WITH TECHNOLOGY AND PLANNING

**Established Ad Hoc Committee on Operating Safe Yield (OSY).** OSY policy was evaluated early on in the drought and new guidelines were developed to help increase Basin storage.

**Participated in Planning Discussions on Stormwater Capture.** Researched and coordinated with Los Angeles County Department of Public Works (LACDPW) to identify and prioritize potential new and enhanced storm water capture projects.

**Three-Year Imported Water Purchase Plan.** Watermaster prepared an annual Three-Year Purchased Water Plan to assist the Responsible Agencies in projecting and coordinating Supplemental Water purchases.

## ...THROUGH DEVELOPMENT OF NEW WATER SOURCES

**Recycled Water Projects.** Watermaster is actively participating in opportunities to enhance the use of recycled water in the Basin.

## ... BY PROTECTING WATER RIGHTS

**Worked with stakeholders and Congresswoman Judy Chu** on efforts to protect water rights associated with Wild and Scenic Rivers and the Wilderness Act designations along the San Gabriel River.

**Commented on The San Gabriel National Monument Plan Amendment.** Staff are participating in the Community Collaborative and submitted comments related to protection of water rights and existing uses within the Monument boundary.



# Managing Water for Long-Term Reliability

Watermaster maintains and updates sophisticated long-range water supply analyses, plans, and programs to maintain reliable water supplies. In addition, Watermaster responds to changing regulations, rainfall, and water supply demands both across the region and statewide, and acts to ensure the sustainability of the Main San Gabriel Basin supply.

## CREATIVE SOLUTION FOUND TO WATER DELIVERY CHALLENGE

### Finding of Potentially Invasive Mussels in the State Water Project Made Delivering Imported

**Water Difficult and Required Creative Solutions.** Due to the discovery of what may have been Quagga Mussel veligers in the State Water Project system, Los Angeles County Flood Control District (LACFCD) restricted imported water deliveries. A plan was, therefore, developed with the San Gabriel Valley Protective Association to release 40,000 acre-feet of canyon water. Watermaster staff is working with LACFCD, USGVMWD and MWD to develop a Quagga Mussel Management Plan for implementation should it be needed.

## INCREASED FLEXIBILITY FOR IN-LIEU PURCHASES

Watermaster has maintained an In-lieu Assessment of \$10 an acre-foot on all water produced. Its original purpose was to offset Producer costs in trading imported water deliveries for groundwater pumping in the area of Alhambra. The uses for the funds were expanded during the drought so that they could financially assist Producers with treated imported water connections to utilize treated water, minimizing groundwater Basin decline.

This is just another example of the numerous proactive and flexible water management tools developed by Watermaster so that the Basin can remain reliable under a wide variety of water conditions.

## ADDED CRITICAL LANGUAGE TO GROUNDWATER LEGISLATION

Municipal Separate Storm Sewer Systems permits (MS4), impose specific requirements regarding the quantity and quality of stormwater runoff in urban areas. Senate Bill (SB) 485 is legislation that allows Los Angeles County Sanitation Districts (LACSD) to construct and operate recharge facilities to assist cities with their MS4 obligations. Watermaster worked with area water suppliers and other stakeholders to successfully support amendments to SB 485 that ensure that existing water rights were not harmed.

## CONTINUING TO ENSURE THAT MS4 DOES NOT IMPACT WATER RIGHTS

Watermaster continues to collaborate with regional stakeholders such as Los Angeles County Department of Public Works, LACFCD and the San Gabriel Valley Council of Governments (COG) to ensure that the MS4 process addresses water quality concerns, increases stormwater reuse, and augments the water supply without impacting existing adjudications, water rights, and Basin safe yields.

## COMPLYING WITH SGMA EVEN THOUGH BASIN IS EXEMPT

The Sustainable Groundwater Management Act (SGMA) requires local agencies to ensure the sustainability of groundwater supplies. Because the Main San Gabriel Basin is fully adjudicated and well managed, it is exempt from the law except for reporting requirements, which Watermaster completes annually. Watermaster continues to align with the goals and spirit of SGMA through existing programs such as Title 22 Water Quality Monitoring and the Semi-Annual Groundwater Level Measurement Program.

## ESSENTIALLY NO SUBSIDENCE

There is no evidence that subsidence is a problem in the Main San Gabriel Basin. One indication is from the National Aeronautics and Space Administration (NASA) Jet Propulsion Laboratory (JPL) database on subsidence. In addition, the Basin has a robust storage capacity that would be impaired and recognized immediately if subsidence were a problem. Lastly, the Basin, which has been managed since 1973, has shown stable Groundwater levels from 1973 until just before the last drought despite year-by-year fluctuations. Finally, Watermaster has developed and funded numerous actions designed to refill the Basin.

## CONTINUED REGION-WIDE CONSERVATION COORDINATION

Watermaster continued to support regional programs to promote conservation through a variety of outreach campaigns. Watermaster also provided data and water supply projections needed by local water purveyors to comply with state regulations that require them to self-certify on water supply reliability for three years and beyond.

## 3-DIMENSIONAL COMPUTER MODEL NEARING COMPLETION

This fiscal year concludes the second of a three-year program to update Watermaster's 3-D Computer Groundwater Model. The project is nearly complete except for some final calibration and refinements. The model will provide more advanced capabilities for understanding groundwater conditions, designing new management programs and testing the success of outcomes.

## ACTIVE IN GROUNDWATER REPLENISHMENT COORDINATING GROUP

Watermaster participates in this group, which coordinates water delivery plans with available supplies, as well as the maintenance of replenishment facilities. Members of this group have nearly a dozen projects under construction or in planning to improve replenishment.

## SPONSOR OF WATER FORUM

Watermaster was a lead sponsor, participant and presenter at the Annual Water Forum. This event draws people from around the region to learn about and discuss critical water issues.

## CONTINUED INTENSIVE WATER MANAGEMENT PROGRAM

The Three-Year Purchased Water Plan is part of Watermaster's more aggressive water management program that was developed during the recent drought. It involves forecasting ahead three years and estimating the amount of funding needed to buy supplemental water for each Responsible Agency, including replacement water obligations, cyclic storage purchases, and the RDA water. A key benefit of the Plan is that it assists Watermaster with financing and funding projections.

*Sampling activities for detection of Quagga Mussel Veligers.*

*View of an image from the 3D computer model that is critical to understanding and managing the groundwater Basin.*



# Meeting the Challenge of Protecting and Improving Water Quality

*In addition to ensuring adequate water supplies, Watermaster is responsible for maintaining groundwater quality throughout the Basin.*

## REVISED BALDWIN PARK OPERABLE UNIT (BPOU) AGREEMENT APPROVED

From 2002 into 2017, the original BPOU Project Agreement required parties responsible for contamination in the BPOU area to pay for the construction and operation of all needed treatment facilities. The agreement was revised and approved by the Court for another ten years in April 2017.

**Active in Leading the Cleanup Agreement.** Watermaster will retain its roles during the ten-year term of the new agreement, including: providing a third-party review and evaluation of the cleanup process; providing accounting services; and technical and administrative coordination on sub projects, including sub-project committees.

**Over One-Half Billion Dollars in Benefits!** The estimated value of this new 10-year Agreement is between \$200 and \$250 million, adding to the \$350 million spent under the prior BPOU Agreement, totaling well over one-half billion dollars. This is an accomplishment the entire Basin is proud of.

**Increased Efficiency and Cost Savings.** The revised Agreement provides for a more efficient project management structure that will continue groundwater cleanup and lead to lower long-term costs.

## ENGAGED WITH ALL CLEANUPS

Producers are required to file a quarterly summary of treatment facility operations. Watermaster tracks the status of each cleanup project, the amount of contaminants removed, and the volume of water treated. Watermaster also engages with the operable unit facilities to ensure that treated water is used beneficially in the Basin whenever possible.

**List of Basin Operable Units and Designated Cleanup Projects:** El Monte Operable Unit (EMOU), South El Monte Operable Unit (SEMOU), Whittier Narrow Operable Unit (WNOU), Puente Valley Operable Unit (PVOU), and other designated cleanup sites.

## SALT AND NUTRIENT MANAGEMENT PLAN (SNMP) APPROVED

After years of planning, analysis and preparation, the SNMP was approved. The SNMP identifies sources of salts and nutrients, and provides the management tools needed to comply with water quality objectives. It is especially critical for Watermaster to coordinate with potential recycled water projects such as the Regional Recycled Water Program and USGVMWD's Indirect Reuse Replenishment Project (IRRPP).

The SNMP identifies a variety of existing and potential activities, including continued Basin management practices, pursuit of potential new replenishment sites, water quality monitoring, and coordination between agencies, which will help manage salts and nutrients in the San Gabriel Basin.

## CONDUCT BASINWIDE WATER QUALITY ACTIONS

**Carried out Basin-Wide Water Quality Testing.** In order to lower costs through economies of scale and provide a Basin wide overview of water quality, Watermaster conducted Basin-wide testing for California's Title 22 drinking water requirements.

**Proactive Baseline Sampling Conducted.** Watermaster regularly conducts baseline testing for contaminants in advance of expected new regulatory actions to assess potential Producer and Basin vulnerabilities under new testing methods and lower detection levels. This year, Watermaster conducted additional testing for perchlorate and 1,2,3-TCP.

## Completed Regional Health Goal Requirement.

Watermaster prepared public health goal reviews for about a dozen water systems across the Basin to identify contaminants associated with human health risks, available water treatment technologies, and estimates of costs to bring contaminant levels down to Public Health Goal levels. All of the water systems met all state and federal requirements.

## CONTINUED LANDFILL INSPECTIONS

Monthly inspections of landfills within the Basin by Watermaster showed no impacts on water quality and that they were operating normally with no observed violations.

## ENSURES NEW WELLS MEET REQUIREMENTS

Watermaster's Rules and Regulations for production in the Basin require that Watermaster approve every application to drill, destroy, or modify a well to ensure that it conforms to both water quality and water supply requirements in the Basin. Watermaster carried out a number of these "Section 28" reviews this year.

*Current BPOU treatment facility that is being replaced with an improved treatment technology that is more effective and costs less.*



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## **APPENDIX A**

### **SUMMARY OF WATERMASTER ACTIONS FISCAL YEAR 2016-2017**







## **APPENDIX A**

### **CHRONOLOGICAL SUMMARY OF WATERMASTER ACTIONS FISCAL YEAR 2016-17**

#### **Public Health Goal Reports**

On August 3, 2016, Main San Gabriel Basin Watermaster (Watermaster) conducted a public hearing to discuss Public Health Goals established for drinking water by California Environmental Protection Agency (Cal-EPA). There being no comments offered, Watermaster closed the comment period and the public hearing.

#### **Cyclic Storage**

On August 3, 2016, Watermaster authorized the purchase of 3,000 acre-feet of cyclic storage water from Upper San Gabriel Valley Municipal Water District (USGVMWD) for San Gabriel Valley Water Company's individual producer cyclic storage account.

On October 5, 2016, Watermaster authorized the purchase of 14,500 acre-feet of cyclic storage water from USGVMWD for California Domestic Water Company's individual producer cyclic storage account.

On October 5, 2016, Watermaster authorized the purchase of 1,000 acre-feet of cyclic storage water from USGVMWD for the City of South Pasadena's individual producer cyclic storage account.

On October 5, 2016, Watermaster authorized the purchase of 10,000 acre-feet of cyclic storage water from USGVMWD for San Gabriel Valley Water Company's individual producer cyclic storage account.

On October 5, 2016, Watermaster authorized the purchase of 2,000 acre-feet of cyclic storage water from USGVMWD for Valley County Water District's individual producer cyclic storage account.

On November 2, 2016, Watermaster authorized the purchase of 500 acre-feet of cyclic storage water from USGVMWD for San Gabriel County Water District's individual producer cyclic storage account.

On November 2, 2016, Watermaster authorized the purchase of 500 acre-feet of cyclic storage water from Three Valleys Municipal Water District (TVMWD) for the City of Glendora's individual producer cyclic storage account.

On November 2, 2016, Watermaster authorized the request of a cyclic storage account with a limit of 150 AF of water for Valley View Mutual Water Company.

On June 7, 2017, Watermaster authorized the purchase of 359 acre-feet of cyclic storage water from USGVMWD for the City of Monrovia's individual producer cyclic storage account.

#### **Three-Year Purchased Water Plan**

On October 5, 2016, Watermaster received and filed the Three-year Purchased Water Plan as presented.

#### **Audit Report**

On October 5, 2016, Watermaster received and filed the audit report as presented by Vicente, Lloyd, and Stutzman, LLP.

#### **Cash Investment Policy**

On October 5, 2016, Watermaster reaffirmed its Cash Investment Policy.

#### **Annual Report Completed**

During October 2016, in accordance with Section 36 of the Judgment, Watermaster prepared its 44th Annual Report for FY 2015-16 and filed it with the Court and Parties by November 1, 2016.



### **Election of Producer Nominees for Watermaster for Calendar Year 2017**

On November 2, 2016, Watermaster held its annual election of Producer nominees. Producers elected Dan Arrighi, Ron Bow, James Byerrum, David DeJesus, Garry Hofer, and David Michalko. USGVMWD submitted the names of Dr. Anthony Fellow and Charles Trevino. SGVMWD submitted the name of Thomas Love. The Court subsequently approved these nominations.

### **San Gabriel National Monument Plan Amendment**

Comments were submitted on behalf of Watermaster for the San Gabriel National Monument plan.

### **Resolution of Appreciation**

On December 7, 2016, Watermaster adopted Resolution No. 12-16-280, commemorating the service performed by Benjamin Lewis, Jr. as a Producer Member of the Watermaster Board.

### **Resource Development Assessment (RDA)**

On December 7, 2016, Watermaster adopted Resolution No. 12-16-281, Intention for the Watermaster fixing, establishing, and levying the Water Resource Development Assessment for fiscal year 2016-17 on all production from the Main San Gabriel Basin.

On December 7, 2016, Watermaster authorized the Executive Officer to make the appropriate purchases for reliability storage water using Water Resource Development Assessment funds. The estimated requirement for delivery during fiscal year 2016-17 from USGVMWD is 4,713 acre-feet; from TVMWD is 342 acre-feet; and from San Gabriel Valley Municipal Water District (SGVMWD) is 761 acre-feet for a total RDA delivery of 5,816 acre-feet.

On March 1, 2017, Watermaster approved the Revised Water Resource Development Policy, including recommendations for changes, to be included as a revision to the Rules and Regulations.

### **Replacement Water**

On December 7, 2016, Watermaster authorized the purchase of 17,030.13 acre-feet of Replacement Water from the appropriate Responsible Agencies for overproduction from the Basin during Fiscal Year 2015-16.

### **Election of Watermaster Officers**

On January 4, 2017, Watermaster held the annual election of officers. James Byerrum was elected as Chair, David Michalko as Vice-Chair, Dan Arrighi as Secretary, and Ron Bow as Treasurer.

### **Five-Year Plan**

On November 2, 2016, Watermaster opened the Five-Year Plan to public comment and adopted the plan on January 4, 2017 following a public hearing.

### **Watermaster Committee Assignments**

On February 1, 2017, Watermaster adopted recommendations for 2017 Watermaster Committee Assignments and representatives to outside organizations as presented (Table 1).

### **ACWA/JPIA Liability, Property and Workers' Compensation Programs**

On March 1, 2017, Watermaster adopted Resolution No. 03-17-282, authorizing application to the Director of Industrial Relations, State of California for a certificate of consent to self-insure Workers' Compensations Liabilities.

On March 1, 2017, Watermaster adopted Resolution No. 03-17-283, consenting to enter the Joint Protection Programs of the Association of California Water Agencies/Joint Powers Authority.



On March 1, 2017, Watermaster adopted Resolution No. 03-17-284, supporting the nomination of Ms. Kathleen Tiegs for ACWA/JPIA Executive Committee.

### **Arcadia Reclamation, Inc., Section 28 Application to Drill Water Well**

On March 1, 2017, Watermaster approved the Arcadia Reclamation, Inc., application to drill a new water well, subject to the conditions in the staff report.

### **Operating Safe Yield**

On May 3, 2017, Watermaster conducted a public hearing and approved Resolution No. 05-17-285 establishing the Operating Safe Yield at 150,000 acre-feet for Fiscal Year 2017-18, 130,000 acre-feet for Fiscal Year 2018-19, 130,000 acre-feet for Fiscal Year 2019-20, 130,000 acre-feet for Fiscal Year 2020-21 and 130,000 acre-feet for fiscal year 2021-22.

### **Contract Renewal**

On May 3, 2017, Watermaster approved a one-year contract extension of the existing Title 22 Laboratory Contract with Weck Laboratories.

### **Drought Management Plan**

On May 3, 2017, Watermaster approved the adoption of Watermaster's Drought Management Plan.

### **Watermaster Assessments and Administration Budget**

On April 5, 2017, Watermaster received and filed the Preliminary Draft Administration Budget for FY 2017-18 and Assessments for FY 2016-17 productions.

On May 3, 2017, Watermaster approved Resolution No. 5-17-286 (rescinding resolution No. 05-16-278), thereby adopting the Administration Budget for Fiscal Year 2017-18 in the amount of \$4,342,169. The Administration Assessment was set at \$15.00 per acre-foot, the In-Lieu Assessment was set at \$10.00 per acre-foot, and the Water Resource Development Assessment was set at \$40.00 per acre-foot on Fiscal Year 2016-17 Production and \$70 per acre-foot on Fiscal Year 2017-18 Production. The Replacement Water Assessment for Fiscal Year 2016-17 and Fiscal Year 2017-18 was set at \$165.00 and \$185.00 per acre-foot, respectively, for excess production within SGVMWD; at \$779.00 and \$795.00 per acre-foot, respectively, for excess production within TVMWD; at \$869.00 and \$898.00 per acre-foot, respectively, for excess production within USGVMWD.

### **Governmental Executive Retirement Plan**

On June 7, 2017, Watermaster adopted Resolution No. 06-17-287 approving and adopting the Governmental Executive Retirement Plan.

### **Association of California Water Agencies (ACWA)**

On June 7, 2017, Watermaster adopted Resolution No. 06-17-288 in support of the Association of California Water Agencies' Policy Statement on Bay-Delta Flow Requirements.

### **Watermaster Outside Activities**

Watermaster presents to many groups throughout each year and serves on many roundtables, forums and other educational events. A sampling of these activities this fiscal year is provided below.

#### ***Presented:***

- On July 27, 2016, the Executive Officer attended and made a presentation at the City of Arcadia's Water 101 Forum on the importance of groundwater and conservation, including an update on the status of the Basin and groundwater levels.

- On October 13 - 14, 2016, the Executive Officer participated as panelist in the California Foundation on the Environment and the Economy (CFEE) Round Table Conference on California's Water Supply. He discussed the Sustainable Groundwater Management Act (SGMA) from the Adjudicated Basin's perspective.
- On January 19, 2017, the Executive Officer organized and participated in the "small group" discussion on the RDA proposals to purchase available imported water to augment stormwater.
- On January 25, 2017, the Executive Officer spoke at the Sunny Slope Water Company's Nitrate Treatment Dedication Ceremony about the overall basin benefit of a project like this.
- On January 26, 2017, the Executive Officer gave a presentation on the proposed RDA to City of Glendora' Water Commission.
- On February 4, 2017, the Executive Officer spoke at the Water Education for Latino Leadership (WELL) Conference about how stormwater capture impacts the Main Basin, along with opportunities to enhance.
- On April 25, 2017, the Executive Officer presented an update on the Main Basin at the Southern California Water Committee's Stormwater Task Force meeting.
- On May 16, 2017 the Executive Officer participated in the USGVMWD Water 101 event, providing information to area managers and legislators on the state of the Basin as well as Watermaster's role in water supply reliability and quality.

***Interviewed:***

- On January 26, 2017, KTLA Television Reporter, Kareen Wynter, interviewed the Executive Officer about the status of the drought and the impacts of the recent rains.
- On February 7, 2017, the Executive officer participated, along with Ken Manning, in an interview with Jack Zhao from EDI Media to discuss recent rainfall and the state of the drought in the San Gabriel Valley.
- On April 6, 2017, the Executive Officer participated, along with Ken Manning, in an interview with Jack Zhao from EDI Media to discuss an update on the drought in the San Gabriel Valley and statewide rainfall.
- On March 24, 2017, the Executive Officer had an interview with KPCC, a local NPR station interested in basin conditions.

***Organized/Hosted:***

- On August 23, 2016, Watermaster staff hosted a facilities tour with presiding Judge, the Honorable Maureen Duffy-Lewis. The tour included site visits at San Gabriel Valley Water Company's B6 Treatment Plant, as well as Valley County Water District's SA-1 Plan
- On February 15 - 16, 2017, Watermaster staff organized and participated in the Association of Ground Water Agencies/American Ground Water Trust Annual Conference in Ontario. The event featured speakers from a wide variety of disciplines including stormwater capture and groundwater treatment technologies among others.
- On March 28, 2017, Watermaster hosted EPA representatives and stakeholders for the Puente Valley Operable Unit (PVOU) project. The project is moving forward on schedule and is nearing completion of beneficial use agreements.

***Participated In/Attended:***

- On January 24, 2017 Participated in the Quarterly Groundwater Replenishment Coordinating Group (GRWG), followed by a meeting with the DWR to discuss the SGMA and its reporting requirements.



- On February 22, March 9, and March 27, 2017 Participated in Southern California Water Committee meetings.
- On July 29, 2016, Watermaster was asked to participate in the Asian Media Outreach Presentation with the SGVMWD in Monterey Park.
- On September 20, 2016, Watermaster staff participated in the San Gabriel Valley Water Forum. The event's theme was "Coming Together", with speakers from across the state discussing drought measures and groundwater sustainability. The event featured topics on how the water industry, both locally and statewide, are coming together to strategize on how to recover from the existing drought and protect against future impacts.
- On October 19 and 20, 2016, Watermaster staff participated in the National Water Research Institute and the Department of Water Resources workshop on drought vulnerability and water resiliency.
- On February 23, 2017, the Executive Officer attended a tour with Congresswoman Grace Napolitano at Metropolitan Water District's (MWD's) Weymouth Plant in LaVerne.
- On February 23, 2017, Watermaster staff attended the MWD Foundational Actions Funding Program, which showcased water conservation, reclamation and treatment enhancement projects undertaken in partnership between MWD and its member agencies.
- On April 12, 2017, the Executive Officer and Ken Manning participated in a round-table discussion with the Economic Partnership. They discussed Watermaster's role in the San Gabriel Valley, as well as Basin conditions.
- On April 18, 2017, the Executive Officer and Assistant Executive Officer attended a meeting regarding the Whittier Narrows Operable Unit (WNOU) with representatives from Department of Toxic Substances Control (DTSC), EPA, and various other stakeholders. DTSC provided a status update on the project, as well as progress on securing an end user for the water.
- On May 8 – 11, 2017, Watermaster representatives attended the Association of California Water Agencies (ACWA) Conference in Monterey. Some of the sessions we attended focused on the SGMA, Stormwater Capture, and Water Rights Law.

## TABLE 1

### Watermaster 2017 Committee Assignments and Representation to Other Organizations

#### **Administrative Committee**

***(3<sup>rd</sup> Wednesday @ 1:30 p.m.)***

Staff: Zampiello, Gardner

D. Arrighi (CH)	J. Prior (A)
J. Byerrum	G. Galindo (A)
D. De Jesus	T. Tait (A)
D. Michalko	B. Lewis (A)
	L. Noriega (A)
	R. Rich (A)
	M. Lake (A)
	P. Scanlon (Notice)
	G. Hofer (Notice)
	C. Trevino (Notice)
	C. Gott (Notice)

#### **Finance Committee**

***(meet @ call of Chairman)***

Staff: Zampiello, Gardner, Artis

R. Bow (CH)	G. Galindo (A)
D. Arrighi	M. Lake (A)
C. Trevino	J. Prior (A)
D. Michalko	L. Noriega (A)
	G. Hofer (Notice)
	C. Gott (Notice)

#### **ACWA – Region 8**

Representative – T. Zampiello

Alternate – K. Gardner

#### **San Gabriel Valley Water Association**

Representative – D. Michalko

#### **ACWA – JPIA**

Representative – D. Arrighi

Alternate – T. Zampiello

#### **Basin Water Management Committee**

***(2<sup>nd</sup> Wednesday @ 1:30 p.m.)***

Staff: Zampiello, Gardner

D. Michalko (CH)	Br. Bowcock (TVMWD)
D. Arrighi	R. Bowcock (A)
D. De Jesus	B. Lewis (A)
A. Fellow	M. Na (A)
	S. Patton (A)
	J. Prior (A)
	D. Van (A)
	T. Tait (A)
	G. Galindo (A)
	L. Noriega (A)
	T. Cherry (A)

#### **Also invited:**

M. Holmes	R. Hansen
S. Chapman	D. Kasamoto
T. Coleman	K. Manning
C. Gott	R. Bow
C. Venegas	P. Zampiello
B. Diprimio	G. Hofer
T. Love	R. Rich
R. Schollerman	F. Heldman
C. Hicks	C. Trevino
D. Tweety	J. Martinez
J. Macias	M. Lake
	D. Shickling
	B. Gallardo

#### **AGWA**

Representative – T. Zampiello

D. Arrighi

#### **WQA Committee Representatives**

Engineering Committee – B. Lewis

Admin./Finance Committee – D. Michalko

WQA Legislative/Public Information Committee – D. Arrighi



**APPENDIX B**

**MAIN SAN GABRIEL BASIN WATERMASTER  
OVERVIEW**





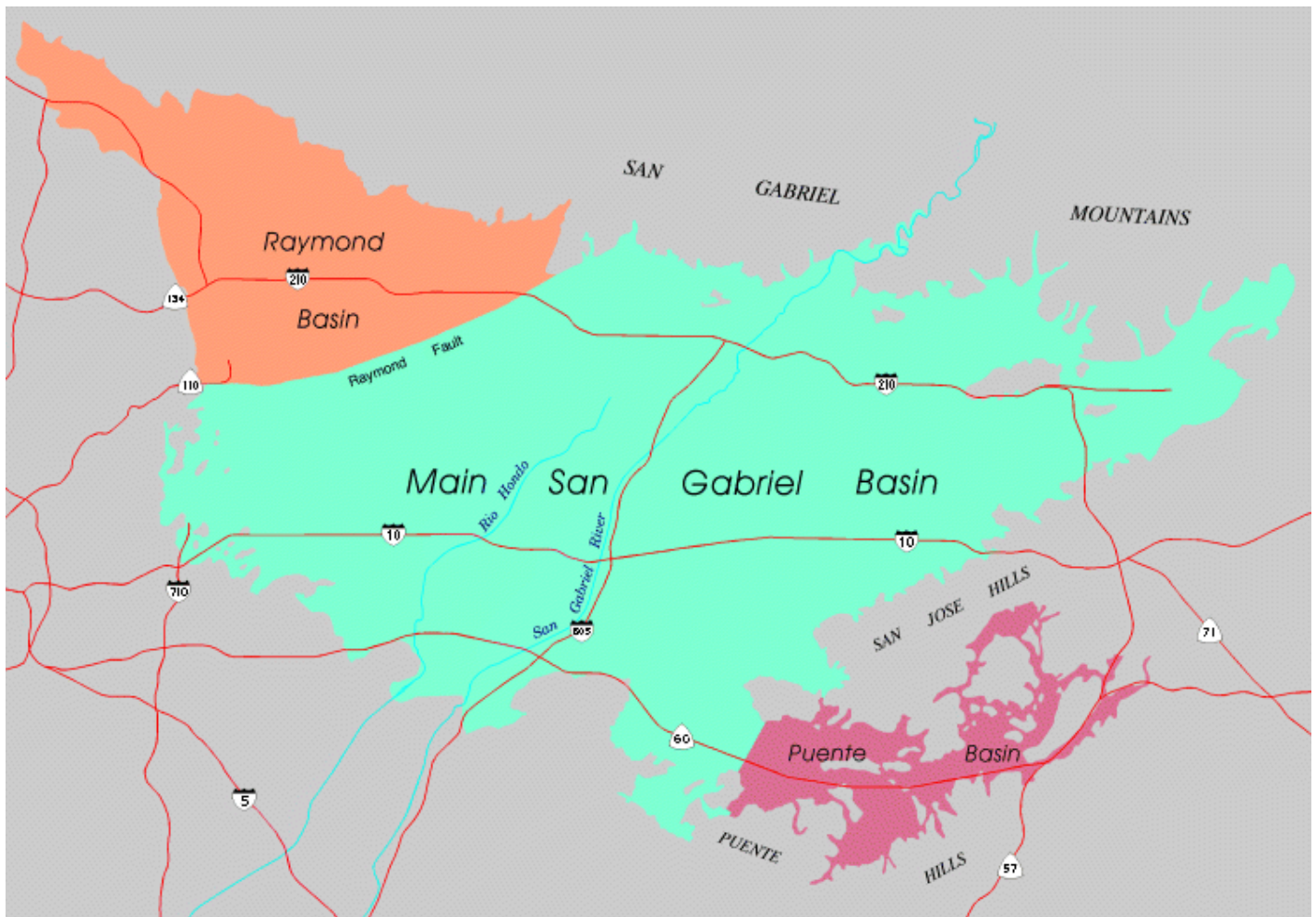
# APPENDIX B

## MAIN SAN GABRIEL BASIN OVERVIEW

### Introduction

The Main San Gabriel Basin is geographically situated in the southeasterly portion of Los Angeles County. It is bounded on the north by the San Gabriel mountains, on the northwest by Raymond Basin, on the southeast by Puente Basin and on the south by Central Basin. The Main San Gabriel Basin groundwater and surface water rights were adjudicated in 1973 and the Court established the Main San Gabriel Basin Watermaster (Watermaster) to manage the water supply and water quality of the Main San Gabriel Basin. Judgment was entered January 4, 1973 and from the inception water quality has been one of Watermaster's responsibilities. Section 26m of the original Judgment (amended Section 34m) states "Water quality in the Basin shall be a concern of Watermaster and all reasonable steps shall be taken to assist and encourage appropriate regulatory agencies to enforce reasonable water quality regulations affecting the Basin..."

Over the ensuing 40 years Watermaster has been responsible for all aspects of Main San Gabriel Basin management including delivery of over 1,500,000 acre-feet of untreated imported water for groundwater replenishment purposes. The Watermaster coordinates with other agencies to capture and infiltrate a significant amount of stormwater runoff from the San Gabriel River Watershed. Since the mid-1980's, Watermaster has coordinated with regulatory agencies to have groundwater remediation facilities constructed, permitted and operated to protect and enhance the groundwater supplies.



## **Overview**

<b><u>County:</u></b>	Los Angeles (southeasterly portion)
<b><u>Area:</u></b>	107,000 acres/167 square miles
<b><u>Population:</u></b>	1,275,187 (2010 Census)
<b><u>CASGEM RANK:</u></b>	21.3 (high)
<b><u>Watermaster:</u></b>	Main San Gabriel Watermaster
<b><u>Members:</u></b>	Nine-person board appointed by LA County Superior Court; six elected by water Producers, three by water districts.
<b><u>Court Case:</u></b>	Upper San Gabriel Valley Municipal Water District, Plaintiff, vs. City of Alhambra, et al., Defendants, Superior Court of the State of California (Case No. 924128)

## **Description:**

The Main San Gabriel Basin occupies most of San Gabriel Valley. It encompasses about 107,000 acres, and storage is 8.6 million acre-feet when the groundwater elevation at the Baldwin Park Key Well is 316 feet. In general, one foot of groundwater elevation change is equivalent to about 8,000 acre-feet in storage. The hydrogeologic San Gabriel groundwater Basin is divided between three sub-basins: Main Basin, Puente Basin and portions of Six Basins area. The Main San Gabriel Basin and Puente Basin are bounded on the north by the San Gabriel Mountains, on the east by the San Jose Hills, on the south by the Puente Hills, and the Raymond Fault on the west. San Gabriel River and Rio Hondo, a tributary of the San Gabriel River, drain the San Gabriel River watershed. The Puente Basin is in the southeast and is tributary to the Main San Gabriel Basin. The Six Basins area is located in the northeast and a portion is tributary to the Main Basin. They are each adjudicated and managed separately. The aquifers are located inland (saltwater intrusion is not a risk) and are unconfined. In the San Gabriel Valley, average precipitation over the past 100 years is approximately 18.5 inches.

The major sources of natural recharge to Main San Gabriel Basin are infiltration of rainfall on the valley floor and runoff from the nearby mountains. The Main San Gabriel Basin is the first of a series of basins (including Puente, Central, and West Coast Basins) to receive the benefit of mountain runoff, and the Basin interacts hydrogeologically and institutionally with adjoining basins, including Puente, Central, and West Coast Basins. In the mid-1800s, agriculture and ranching were the primary economy in the Basin. The Main San Gabriel Basin's current land use is primarily urban. Production (including both groundwater and treated local surface water) has averaged about 228,000 acre-feet between 2007-08 and 2016-17, but was about 197,000 acre-feet during fiscal year 2016-17. Most pumping is done by municipal water purveyors, although there is a lesser amount of production by rock and gravel companies. Most communities depend almost entirely on Main San Gabriel Basin groundwater for their water supply with indirect access to untreated imported water to replenish the groundwater Basin.

## **Need for Adjudication**

Beginning in the 1940s, the San Gabriel Valley experienced a period of rapid urbanization as well as a decrease in recharged wastewater (due to an increase in sewage exports). This led to an increased demand for water drawn from the Main San Gabriel Basin. By the 1950s, the Main San Gabriel Basin was in a state of overdraft and parties downstream from the Main San Gabriel Basin, including agricultural and urban water purveyors in the Central and West Coast Basins, became concerned. These downstream users (primarily the municipal providers for Compton, Long Beach and the Central Basin), who relied on the San Gabriel River system for their natural water supply as it flowed through the Whittier Narrows, initiated a legal action (the Long Beach Judgment of 1965). This resulted in a court decision requiring the Main San Gabriel Basin water users to guarantee a defined and calculated annual amount water to downstream basins.

For several years, the Upper San Gabriel Valley Municipal Water District administered and took responsibility for the Main San Gabriel Basin's obligations to these lower groundwater basin water users. In 1968, the Main San Gabriel Basin municipal water producers, requested the Upper San Gabriel Valley Municipal Water District file a complaint to adjudicate water rights in the Main San Gabriel Basin and bring Main San Gabriel Basin producers under control of one governing body.

This complaint, initiated by municipal users and filed by the water district, became the basis for the 1973 Main San Gabriel Basin Judgment. Rather than adjudicate based on mutual prescription, as was done in Central and West Coast Basins, municipal users in the San Gabriel Valley chose to negotiate in a "friendly" adjudication. The Water Association commissioned a consultant and legal counsel to develop the negotiated settlement and management plan. This became the stipulated judgment, which was accepted by the court in 1973.



## **Judgment and Amendments**

<u>Type of action:</u>	Stipulated judgment and lawsuit
<u>Adjudication initiated:</u>	1968
<u>Adjudication finalized:</u>	1973
<u>Revisions or amendments:</u>	1989, 1991, 1992, 2012
<u>Other significant dates:</u>	1965 Long Beach Judgment and 1972 Puente Narrows Agreement
<u>Costs:</u>	\$4,000,000 to \$5,000,000 per year

**Decree Summary:** The Main San Gabriel Judgment defined water rights for about 190 original parties, created the Main San Gabriel Watermaster as the governing body, and described a Physical Solution for water management. The Physical Solution provides for Watermaster control of Basin management, and flexibility in initiating cooperative agreements, regulating and controlling pumping, purchasing replacement water, and determining the natural, and operational safe yields (see below). The Judgment allows for overproduction of rights, but overproduction incurs a Replacement Water Assessment. Subsequent amendments clarified and extended Watermaster's role. Both groundwater and surface water rights in the Main San Gabriel Basin were adjudicated under five classes of water rights: 1) Groundwater rights: based on mutual prescription (see Raymond Basin) and comprised about 95 percent of annual water rights for direct use. Each pumper's share was a percentage of the total adjudicated rights. 2) Base annual diversion rights: surface rights held by parties not owning groundwater (prescriptive) pumping rights. 3) Integrated production rights: Producers with combined surface and groundwater rights, allows for greater diversions in wet years and using less groundwater and then carrying over unused prescriptive rights to the following year. 4) Special rights: allocated to MWD for its dam and reservoir and to LA County Flood Control District for its reservoir. 5) Non-consumptive user rights: for parties operating spreading facilities. Pumpers whose production exceeds their water rights pay an assessment to finance the purchase of replenishment water. The Judgment placed injunctions against unauthorized production, non-consumptive uses (not including spreading), unauthorized recharge, and exporting native water from the Main San Gabriel Basin.

**Judgment Amendment Summary:** In 1991 Watermaster was given authority to allow recharge of up to 30,000 acre-feet per year of Recycled Water as supplemental water and was also given authority to control pumping for water improvement purposes, and enter into agreements with the Environmental Protection Agency (EPA) to facilitate groundwater cleanup.

Two other judgments were acknowledged in the Main Basin adjudication. **The Long Beach Judgment** rendered by the Superior Court in 1965 guarantees Central and West Coast Basins an average annual water supply of about 98,000 acre-feet per year through the Whittier Narrows. **The Puente Narrows Agreement** of 1972 between Puente Basin Water Agency and Upper San Gabriel Valley Municipal Water District calculates and governs subsurface outflow from Puente Basin to the Main San Gabriel Basin. This agreement calls for an average Base Underflow of 580 acre-feet per year from Puente Basin to the Main San Gabriel Basin. The Main San Gabriel Watermaster adheres to both rulings.

## **Water Users**

**Stipulated Users:** Stipulated users originally included about 190 parties of which about 40 were municipal purveyors. Designated parties to the Judgment included the Upper San Gabriel Municipal Water District, the Three Valleys Municipal Water District, the San Gabriel Valley Municipal Water District, about 40 other public and investor owned water supply agencies, 15 industrial customers, and eight agricultural and golf course pumpers.

**Current Users:** About Forty-five private parties or companies pump directly. A number of parties have rights to divert surface flows.

## **Management Structure**

The Main San Gabriel Watermaster is a nine-person board, appointed by Los Angeles County Superior Court that manages and controls the withdrawal of groundwater and surface water and coordinates water deliveries and recharge. The Watermaster Board is comprised of six individuals elected by water producers and three by water districts (two by Upper San Gabriel Valley Municipal Water District and one by the San Gabriel Valley Municipal Water District). Each member serves a one-year term. Several advisory committees have been established to assist the Watermaster Board, and their membership includes Watermaster board members and may also include advisory committee members who are not Watermaster board members. Watermaster has a staff and engages consultants for special projects.

Watermaster's responsibilities include managing and controlling the withdrawal and replenishment of water supplies in the Basin; determining the Operating Safe Yield annually; raising replenishment revenue by means of assessments and acquiring and spreading replacement water; coordinating local involvement in efforts to preserve and restore the quality of the Basin's groundwater; assisting and encouraging regulatory agencies to enforce water quality regulations in the Basin; collecting production, water quality, and other relevant data from producers; and preparing an annual report.

The Upper San Gabriel Valley Municipal Water District, Three Valleys Municipal Water District, and San Gabriel Valley Municipal Water District deliver supplemental State Water Project (SWP) water to the Basin. The County of Los Angeles Department of Public Works (LACDPW) plays a role in ensuring recharge from local stormwater runoff is coordinated with recharge of supplemental SWP water. San Gabriel Basin Water Quality Authority obtains some funding for the Basin's clean-up activities. San Gabriel River Watermaster calculates credits and debits between Main San Gabriel Basin and Central Basin.

### **Management Strategies**

The Main San Gabriel Basin demand consists of about 85 percent from local groundwater, 10 percent from treated imported water and 5 percent from other local supplies (recycled water and local surface water diversions). In addition, an average of about 40,000 acre-feet per year of untreated imported water is delivered for Main San Gabriel Basin replenishment. There are about 17 spreading basins in Main San Gabriel Basin, covering more than 1,100 acres, operated by LACDPW or other agencies capable of capturing storm-water runoff from adjacent canyons and/or imported water. The typical Main San Gabriel Basin operating range for water levels is between 200 and 250 feet MSL (above mean sea level). The spreading capacity of existing facilities is more than 600,000 acre-feet per year.

In 1983, the agencies in the San Gabriel River Watershed formed the Groundwater Replenishment Committee. They agreed to coordinate deliveries of local and imported water and identify future needs and potential recharge facilities.

Watermaster, municipal water districts and Producers have various cyclic storage agreements, under which untreated imported water is stored in the Main San Gabriel Basin and extracted when imported water supplies are short. Imported water is credited to these cyclic storage accounts. MWD also delivers replenishment water to the Main San Gabriel Basin, and sells to Three Valleys Municipal Water District and Upper San Gabriel Valley Municipal Water District.

### **Monitoring and Reporting**

There are about 250 wells in the Main San Gabriel Basin, 200 of which are active. There are about 20 non-municipal wells. Most of these wells are monitored by Watermaster for water quality parameters. In addition, the Basinwide Groundwater Elevation Monitoring Program (BGWEMP) is a network of wells in the Main San Gabriel Basin that are regularly measured by the Watermaster on a permanent basis. The program is designed to facilitate coordination of existing water-level monitoring done by agencies. In addition, each adjudicated party is obligated to file with the Watermaster a quarterly report showing the total pumping and diversion amounts.

### **Safe Yield**

Groundwater storage capacity was determined by DWR in 1975 to be 10,438,000 acre-feet. The Main San Gabriel Basin Judgment determined the Natural Safe Yield of Main Basin to be 152,700 acre-feet on the basis of 1967 conditions. Watermaster annually determines the Operating Safe Yield (OSY) as the amount of groundwater that can be pumped in a fiscal year without replacement water assessments. The main factors in making this determination are rainfall, runoff levels, and groundwater levels. In 2005-06 the OSY was 240,000 acre-feet, and in 2016-17 the OSY was 150,000 acre-feet. Producers may pump in excess of annual pumping right but must pay for supplemental imported water to recharge the Basin. Any entity that wishes to spread or store supplemental water within the Basin for later recovery must have a cyclic storage agreement with the Watermaster. These agreements have five-year terms.

### **Groundwater Pumping and Overdraft**

In 1944 water stored in the Main San Gabriel Basin was approximately 8,600,000 acre-feet and had decreased to 7,900,000 acre-feet by 1960. The Main San Gabriel Basin had been regarded as being overdraft since 1953 which prompted the Main Basin adjudication. Since establishment of the Main Basin Watermaster, groundwater recharge (local and imported water) in the valley has averaged about 150,000 acre-feet per year. As part of the Judgment, Watermaster recharges replacement water to maintain the water level at the Baldwin Park Key Well above elevation 200 feet. The highest operational groundwater elevation at the Key Well since the

Judgment occurred in 1983 and was 294 feet. In 2016 the groundwater elevation at the well was 174 feet, which represents a historic low. Watermaster established the OSY for 2016-17 of 150,000 acre-feet, while the annual pumping production in 2016-17 was approximately 184,400 acre-feet. Consequently, the Replacement Water obligation including withdrawal from producer cyclic storage, was about 31,500 acre-feet.

### **Water Quality Issues**

Four areas of the San Gabriel Valley Groundwater Basin are Superfund Sites. Trichloroethylene, Perchloroethylene, and Carbon Tetrachloride contaminate Whittier Narrows, Puente Basin, Baldwin Park and El Monte areas. A current project of the Watermaster (along with six other water entities) is to clean up the Baldwin Park Operable Unit. As a result of the negotiated agreement, parties have agreed to pay millions towards research, cost recovery, and treatment plant construction. Those facilities have operated for over 15 years and continue to operate.

### **Extensive and Unprecedented Drought Management Program Development**

Watermaster has undertaken numerous initiatives to address water shortages. These include: established a reliable storage program with a target reserve of 100,000 acre-feet of untreated imported water; implemented a stormwater augmentation program with a target delivery of 40,000 acre-feet per year of untreated imported water for general Basin benefit; implemented a new assessment to pay for these two programs; evaluated imported Colorado River water for additional supply; conducted a Basinwide low water vulnerability assessment and evaluated options for assisting purveyors in need if the drought extended; developed and implemented an imported water “in-lieu” program; incentivized the pre-purchase of Replacement water; created a new Storage and Export Agreement; expanded retail conservation outreach efforts; and took other steps to ensure long-term, safe and reliable water supplies, and to refill the Basin following the drought.

### **This year’s actions**

Management efforts are being made to ramp down pumping, and 2016-17 groundwater production was approximately 182,800 acre-feet. This was higher than the OSY for 2016-17 at 150,000 acre-feet per year, implying that about 32,800 acre-feet will need to be delivered as untreated imported water. As a result of numerous aggressive new water supply programs initiated during the drought, Watermaster has a wide range of programs available to refill the Basin even in the face of possible ongoing or renewed droughts and reduced imported water supplies.

### **Overall Adjudication Effectiveness**

The groundwater level in the Baldwin Park Key Well is used by the Watermaster to monitor changes in groundwater supply for the Basin. The water level in this well fluctuated over 100 feet in elevation over the last 20 years from a high in 1983 to a low in 2016. In 2016, the groundwater elevation at the well was 174 feet, which represents a historic low. This indicates that groundwater elevations were not being sustained as a result of the five-year drought.

Nonetheless, between 1973, when Watermaster was founded, and 2011, right before the recent drought, the groundwater Basin levels were essentially unchanged across that 37-year period despite the yearly fluctuations. Overall, the management structure has been effective in its ability to maintain groundwater balance and to work collaboratively with overlapping agencies and basins (e.g., through the Long Beach Judgment and through joining regional and statewide drought and water supply programs).





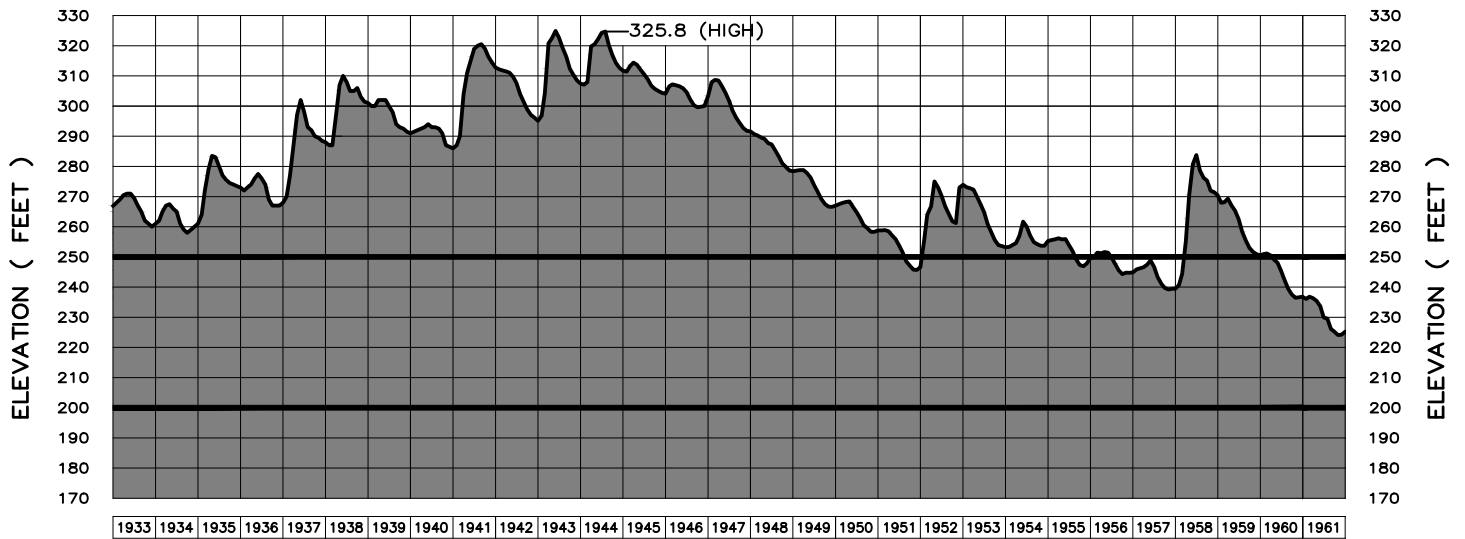
## **APPENDIX C**

### **HYDROGRAPH OF BALDWIN PARK KEY WELL**

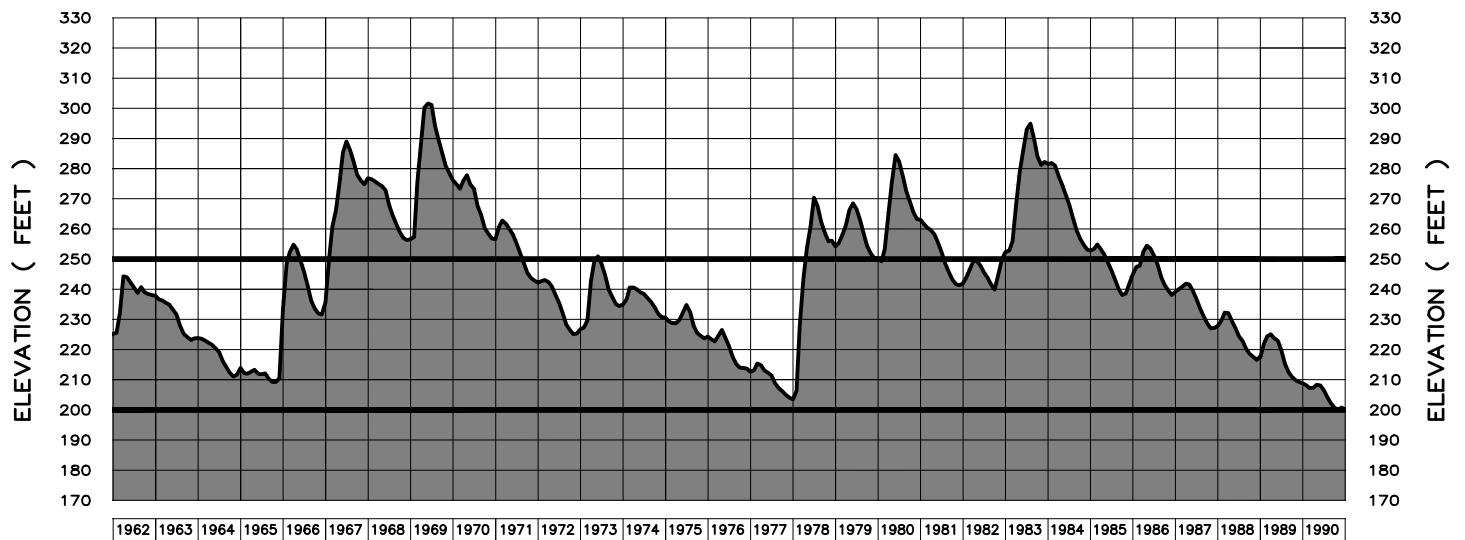




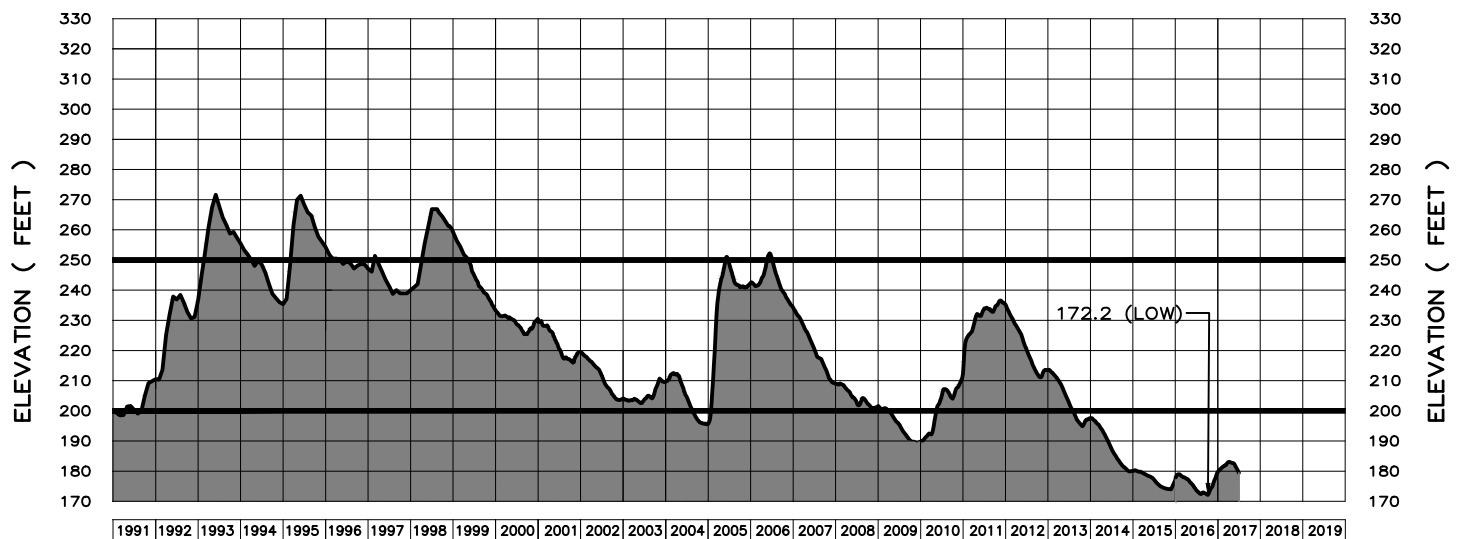
# APPENDIX C HYDROGRAPH OF BALDWIN PARK KEY WELL



1933-1961

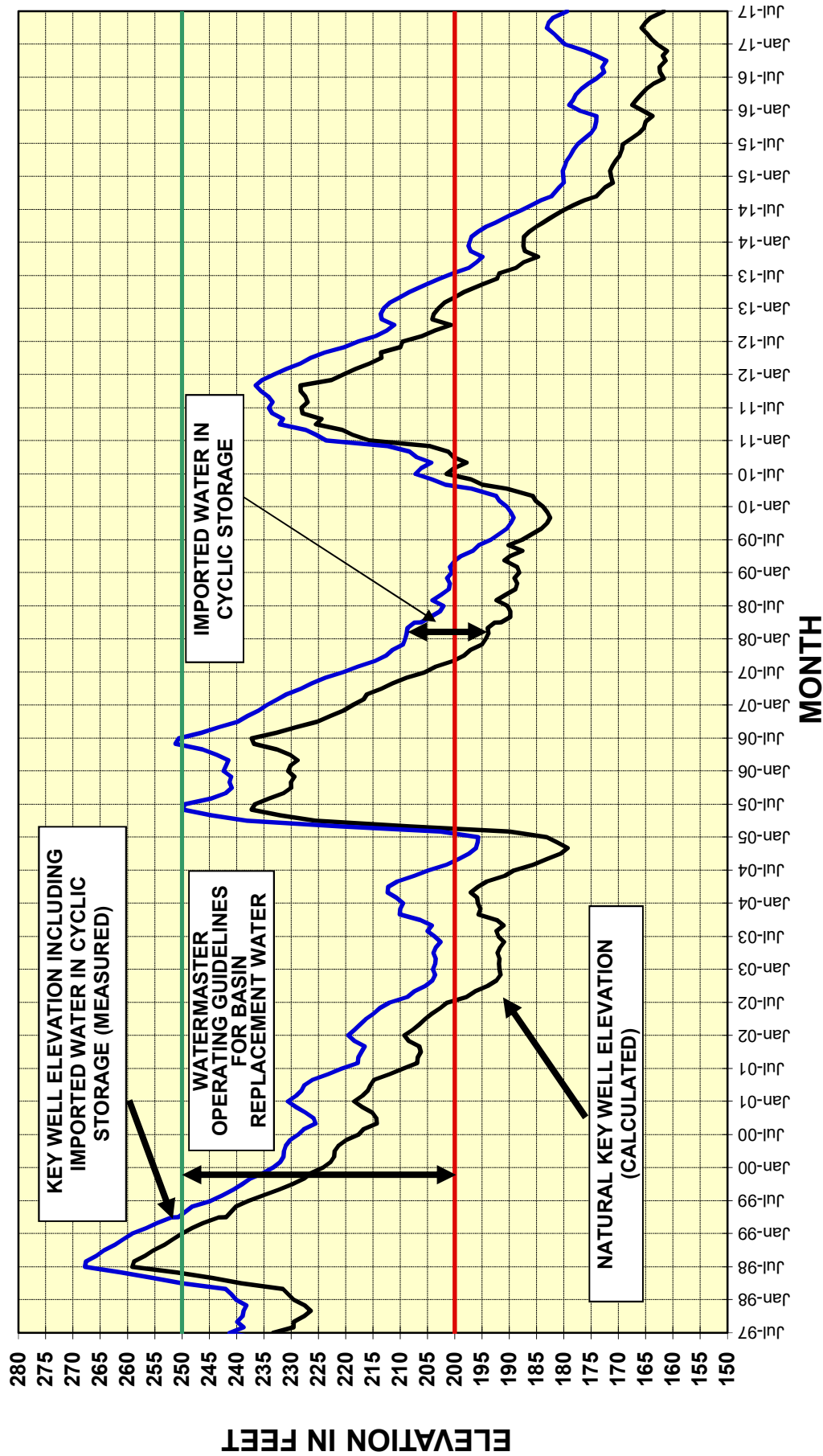


1962-1990



1991-2019

NOTE: GROUND SURFACE ELEVATION 386.7 FEET  
HISTORIC RECORDED HIGH 329.1 FEET MAY 19, 1916  
HISTORIC RECORDED LOW 172.2 FEET SEPTEMBER 30, 2016



## MAIN SAN GABRIEL BASIN WATERMASTER

### BALDWIN PARK KEY WELL GROUNDWATER ELEVATION



**STETSON ENGINEERS INC.**

Covina San Rafael Mesa, Arizona

WATER RESOURCE ENGINEERS

## **APPENDIX D**

### **PUENTE NARROWS WATERMASTER REPORT**

**D**





April 28, 2017

Main San Gabriel Basin Watermaster  
725 N. Azusa Avenue  
Azusa, CA 91702

RE: Puente Narrows Underflow, Fiscal Year 2016-17

Ladies and Gentlemen:

Pursuant to the Judgment in Upper San Gabriel Valley Municipal Water District v. City of Alhambra, et al. and its Exhibit J, Puente Narrows Agreement, the subsurface flow passing from Puente Basin to the Main San Gabriel Basin was determined for fiscal year 2016-17. This determination of subsurface flow was made in accordance with Appendix C, Engineering Criteria, to Exhibit J of the Judgment and consisted of measuring the water levels at the two key wells.

The field measurements of the water levels at the upstream well, 2S/10W-9Q, and downstream well, 2S/10W-8E3, for Fall 2016 were collected on October 6, 2016 by Mr. Tuan Nguyen of Stetson Engineers Inc. representing Upper San Gabriel Valley Municipal Water District and Mr. Charlie Devine of Civiltec Engineering Inc. representing Puente Basin Water Agency. The field measurements of the water levels at the upstream well, 2S/10W-9Q, and downstream well, 2S/10W-8E3, for Spring 2017 were collected on April 6, 2017 by Mr. Tuan Nguyen of Stetson Engineers Inc. representing Upper San Gabriel Valley Municipal Water District and Mr. Charlie Devine of Civiltec Engineering Inc. representing Puente Basin Water Agency. Based on the Fall 2016 and Spring 2017 static water levels at the key wells, the subsurface flow was determined to be 970 acre-feet for fiscal year 2016-17, as shown on Table 1.

Field inspections of the concrete-lined San Jose Creek channel were made concurrently with the field water level measurements and indicated no apparent withdrawal of flow in the San Jose Creek channel from the boundary of Spadra Basin with Puente Basin and downstream to Puente Narrows.

The Puente Narrows Agreement requires that a perpetual accounting of the subsurface flow through Puente Narrows be maintained. Presented in Table 2 is the accounting to date, showing the Accumulated Base Underflow (at 580 acre-feet per year in accordance with Paragraph 8 of the Agreement), the Annual and Accumulated Subsurface Flow to date under the Agreement, the Accumulated Credit or Debit of Puente Agency and the Adjusted Accumulated Credit or Debit of Puente Agency (from Table 3).

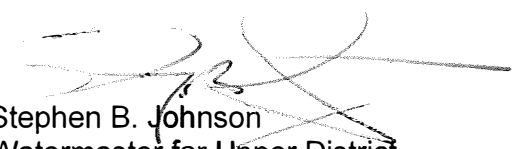
By Agreement dated November 30, 1989, Puente Basin Water Agency and Upper San Gabriel Valley Municipal Water District agreed that groundwater extracted from Puente Basin that is treated and discharged to the lined channel, and then percolated in the Main Basin as part of Carrier Corporation's cleanup program, which is required by the Regional Water Quality Control Board, shall be credited to

Puente Agency as subsurface outflow from Puente Basin. Evaporation losses and unusable surface outflow to the ocean are deducted from such groundwater extraction from Puente Basin. As shown on Table 3, Column 6, since fiscal-year 2007-08, Carrier stopped discharging this treated water and the water is being beneficially used in the Puente Basin.

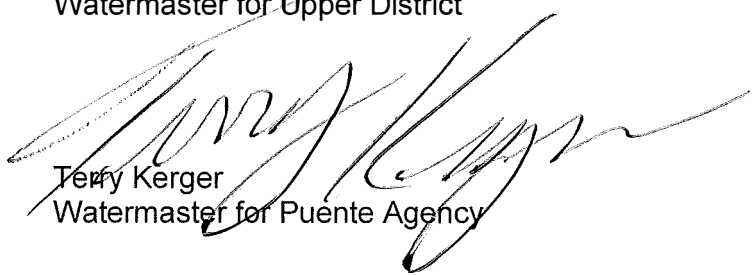
Table 3 shows the Groundwater Extraction for Cleanup Purposes, Deliveries to Rowland Water District, Discharge to Sanitary Sewer, Total Evaporation Losses, Unusable Outflow to Ocean, Annual Cleanup Extraction Credit, accumulated Annual Cleanup Extraction Credit, Accumulated Credit or Debit of Puente Agency (from Table 2), and the Adjusted Accumulated Credit or Debit of Puente Agency.

Respectfully Submitted,

**PUENTE NARROWS WATERMASTER**



Stephen B. Johnson  
Watermaster for Upper District



Terry Kerger  
Watermaster for Puente Agency

cc: Upper San Gabriel Valley Municipal Water District  
Puente Basin Water Agency



TABLE 1

**DETERMINATION OF  
PUENTE NARROWS UNDERFLOW**

WELL	DATE OF MEASUREMENT	REFERENCE POINT ELEVATIONS (FEET)	DISTANCE TO WATER TABLE (FEET)	ELEVATION OF WATER (FEET)	DIFFERENCE IN WATER LEVELS (FEET)	DISTANCE BETWEEN WELLS (FEET)	HYDRAULIC GRADIENT	AVERAGE WATER LEVEL ELEVATION (FEET)	UNDERFLOW FOR 2016-17 (ACRE-Feet)
FALL 2016									
2S/10W-9Q <sup>1</sup>	10/6/2016	371	39.6	331.4					
2S/10W-8E3	10/6/2016	327	52.9	274.1	57.3	7,700	0.00744	302.8	--
SPRING 2017									
2S/10W-9Q <sup>1</sup>	4/6/2017	371	31.6	339.4					
2S/10W-8E3	4/6/2017	327	48.6	278.4	61.0	7,700	0.00792	308.9	--
TOTAL:								611.7	
AVERAGE:								305.9	970 <sup>2</sup>

1. As described in a memo dated, November 9, 2006, the Watermaster representatives agreed to use Rowland Well No. 1 as a replacement well for the destroyed Faure Well.

2. From Appendix C of Exhibit "J" of Main San Gabriel Basin Judgment

TABLE 2

**DETERMINATION OF SUBSURFACE OUTFLOW  
FROM  
PUENTE BASIN TO MAIN SAN GABRIEL BASIN  
(ACRE-FEET)**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
				Deficiency By Reason Of Interference With Surface Flow, In Acre-feet	Offsetting Credit For Make-up Payments In Acre-feet	(3-4-5) Total Accumulated Subsurface Flow	(6-1) Accumulated Credit(+) or Debit(-) of Puente Agency	Adjusted Accumulated Credit(+) or Debit(-) of Puente Agency (from Table 3)
Fiscal Year	Accumulated Base Underflow In Acre-feet (580 AF/Yr)	Subsurface Flow In Acre-feet Annual	Accumulated					
1972-73	580	692	692	0	0	692	+112	+112
1973-74	1,160	796	1,488	0	0	1,488	+328	+328
1974-75	1,740	710	2,198	0	0	2,198	+458	+458
1975-76	2,320	732	2,930	0	0	2,930	+610	+610
1976-77	2,900	658	3,588	0	0	3,588	+688	+688
1977-78	3,480	730	4,318	0	0	4,318	+838	+838
1978-79	4,060	850	5,168	0	0	5,168	+1,108	+1,108
1979-80	4,640	930	6,098	0	0	6,098	+1,458	+1,458
1980-81	5,220	820	6,918	0	0	6,918	+1,698	+1,698
1981-82	5,800	845	7,763	0	0	7,763	+1,963	+1,963
1982-83	6,380	850	8,613	0	0	8,613	+2,233	+2,233
1983-84	6,960	798	9,411	0	0	9,411	+2,451	+2,451
1984-85	7,540	820	10,231	0	0	10,231	+2,691	+2,691
1985-86	8,120	840	11,071	0	0	11,071	+2,951	+2,951
1986-87	8,700	850	11,921	0	0	11,921	+3,221	+3,221
1987-88	9,280	880	12,801	0	0	12,801	+3,521	+3,521
1988-89	9,860	890	13,691	0	0	13,691	+3,831	+3,902
1989-90	10,440	910	14,601	0	0	14,601	+4,161	+4,490
1990-91	11,020	905	15,506	0	0	15,506	+4,486	+5,239
1991-92	11,600	925	16,431	0	0	16,431	+4,831	+5,943
1992-93	12,180	890	17,321	0	0	17,321	+5,141	+6,579
1993-94	12,760	845	18,166	0	0	18,166	+5,406	+7,289
1994-95	13,340	860	19,026	0	0	19,026	+5,686	+7,811
1995-96	13,920	810	19,836	0	0	19,836	+5,916	+8,342
1996-97	14,500	820	20,656	0	0	20,656	+6,156	+9,004
1997-98	15,080	840	21,496	0	0	21,496	+6,416	+9,385
1998-99	15,660	750	22,246	0	0	22,246	+6,586	+9,796
1999-00	16,240	760	23,006	0	0	23,006	+6,766	+10,347
2000-01	16,820	860	23,866	0	0	23,866	+7,046	+11,033
2001-02	17,400	890	24,756	0	0	24,756	+7,356	+11,550
2002-03	17,980	940	25,696	0	0	25,696	+7,716	+12,045
2003-04	18,560	960	26,656	0	0	26,656	+8,096	+12,554
2004-05	19,140	960	27,616	0	0	27,616	+8,476	+13,018
2005-06	19,720	860	28,476	0	0	28,476	+8,756	+13,433
2006-07	20,300	950	29,426	0	0	29,426	+9,126	+13,925
2007-08	20,880	940	30,366	0	0	30,366	+9,486	+14,366
2008-09	21,460	960	31,326	0	0	31,326	+9,866	+14,746
2009-10	22,040	945	32,271	0	0	32,271	+10,231	+15,111
2010-11	22,620	985	33,256	0	0	33,256	+10,636	+15,516
2011-12	23,200	890	34,146	0	0	34,146	+10,946	+15,826
2012-13	23,780	930	35,076	0	0	35,076	+11,296	+16,176
2013-14	24,360	985	36,061	0	0	36,061	+11,701	+16,581
2014-15	24,940	980	37,041	0	0	37,041	+12,101	+16,981
2015-16	25,520	1,010	38,051	0	0	38,051	+12,531	+17,411
2016-17	26,100	970	39,021	0	0	39,021	+12,921	—

TABLE 3

**ADJUSTMENT TO SUBSURFACE FLOW  
DUE TO GROUND-WATER CLEANUP\*  
(ACRE-FEET)**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Groundwater Extraction For Cleanup Purposes	Less: Deliveries To Rowland Water District	Discharge To Sanitary Sewer	Evaporation Losses	Unusable Outflow To Ocean	(1-2-3-4-5) Annual Cleanup Extraction Credit	Accumulated Annual Cleanup Extraction Credit	Accumulated Credit(+) or Debit(-) of Puente Agency (from Table 2)	(7 + 8) Adjusted Accumulated Credit(+) or Debit(-) of Puente Agency
1972-73	--	--	--	--	--	--	--	+112	+112
1973-74	--	--	--	--	--	--	--	+328	+328
1974-75	--	--	--	--	--	--	--	+458	+458
1975-76	--	--	--	--	--	--	--	+610	+610
1976-77	--	--	--	--	--	--	--	+688	+688
1977-78	--	--	--	--	--	--	--	+838	+838
1978-79	--	--	--	--	--	--	--	+1,108	+1,108
1979-80	--	--	--	--	--	--	--	+1,458	+1,458
1980-81	--	--	--	--	--	--	--	+1,698	+1,698
1981-82	--	--	--	--	--	--	--	+1,963	+1,963
1982-83	--	--	--	--	--	--	--	+2,233	+2,233
1983-84	--	--	--	--	--	--	--	+2,451	+2,451
1984-85	--	--	--	--	--	--	--	+2,691	+2,691
1985-86	--	--	--	--	--	--	--	+2,951	+2,951
1986-87	--	--	--	--	--	--	--	+3,221	+3,221
1987-88	--	--	--	--	--	--	--	+3,521	+3,521
1988-89	77	--	3	2	1	71	71	+3,831	+3,902
1989-90	264	--	0	2	4	258	329	+4,161	+4,490
1990-91	441	--	0	8	9	424	753	+4,486	+5,239
1991-92	386	--	0	7	20	359	1,112	+4,831	+5,943
1992-93	389	--	0	7	56	326	1,438	+5,141	+6,579
1993-94	456	--	0	5	6	445	1,883	+5,406	+7,289
1994-95	288	--	0	4	42	242	2,125	+5,686	+7,811
1995-96	317	--	0	5	11	301	2,426	+5,916	+8,342
1996-97	455	--	0	9	24	422	2,848	+6,156	+9,004
1997-98	172	--	0	3	48	121	2,969	+6,416	+9,385
1998-99	247	--	0	2	4	241	3,210	+6,586	+9,796
1999-00	386	--	0	6	9	371	3,581	+6,766	+10,347
2000-01	424	--	0	6	12	406	3,987	+7,046	+11,033
2001-02	213	--	0	4	2	207	4,194	+7,356	+11,550
2002-03	157	--	0	3	19	135	4,329	+7,716	+12,045
2003-04	156	--	0	1	26	129	4,458	+8,096	+12,554
2004-05	137	--	0	2	51	84	4,542	+8,476	+13,018
2005-06	143	--	0	1	7	135	4,677	+8,756	+13,433
2006-07	123	--	0	1	0	122	4,799	+9,126	+13,925
2007-08	84	--	0	1	2	81	4,880	+9,486	+14,366
2008-09	59	59	0	0	0	0	4,880	+9,866	+14,746
2009-10	48	48	0	0	0	0	4,880	+10,231	+15,111
2010-11	78	78	0	0	0	0	4,880	+10,636	+15,516
2011-12	241	241	0	0	0	0	4,880	+10,946	+15,826
2012-13	77	63	14	0	0	0	4,880	+11,296	+16,176
2013-14	110	110	0	0	0	0	4,880	+11,701	+16,581
2014-15	69	69	0	0	0	0	4,880	+12,101	+16,981
2015-16	60	53	7	0	0	0	4,880	+12,531	+17,411

\*Agreement Re Determination of Impact of "Cleanup" Production by Carrier Corporation Upon "Subsurface Outflow" Under "Puente Narrows Agreement," November 30, 1989.

Note: Fiscal year 2016-17 adjustment to subsurface flow was not made due to incomplete data. The adjustment will be included in the Spring 2018 measurements.





## **APPENDIX E**

# **ANNUAL IMPORTED WATER DELIVERIES AND CYCLIC STORAGE**



## APPENDIX E

### ANNUAL IMPORTED WATER DELIVERIES AND CYCLIC STORAGE (ACRE-FEET)

Fiscal Year	End of Year Basin Cyclic Storage	Imported Water Deliveries to Basin 1/			
		USGVMWD	SGVMWD	TVMWD	Total
1963-64	--	--	--	464.90	<b>464.90</b>
1964-65	--	10,000.00	--	1,371.20	11,371.20
1965-66	--	15,000.00	--	1,244.60	16,244.60
1966-67	--	20,000.00	--	803.00	20,803.00
1967-68	--	30,000.00	--	251.80	30,251.80
1968-69	--	20,700.70	--	625.80	21,326.50
1969-70	--	326.70	--	366.30	693.00
1970-71	--	<b>205.10</b>	--	481.80	686.90
1971-72	--	3,132.90	--	<b>248.10</b>	3,381.00
1972-73	--	7,316.20	--	717.90	8,034.10
1973-74	--	9,019.30	--	445.60	9,464.90
1974-75	<b>44.90</b>	34,219.10	832.00	780.60	35,831.70
1975-76	19,638.10	21,006.90	8,275.00	3,312.30	32,594.20
1976-77	22,412.62	14,138.60	7,530.00	6,139.90	27,808.50
1977-78	7,451.89	19,656.70 2/	5,586.00	6,732.50	31,975.20
1978-79	9,003.85	29,600.10 2/	6,968.00	6,123.60	42,691.70
1979-80	6,070.45	10,871.00	1,064.00	6,901.60	18,836.60
1980-81	4,709.33	7,510.50	<b>0.00</b>	9,288.00	16,798.50
1981-82	5,358.21	47,650.10	1,798.00	10,576.10	60,024.20
1982-83	9,924.64	33,406.60	2,221.00	6,925.40	42,553.00
1983-84	9,926.56	11,523.60	79.00	10,021.20	21,623.80
1984-85	9,096.65	10,025.20	66.00	11,651.00	21,742.20
1985-86	52,615.82	60,625.70	5,457.00	10,651.50	76,734.20
1986-87	78,261.54	53,777.30	12,598.00	12,142.90	78,518.20
1987-88	80,084.74	47,481.00	9,827.00	15,218.00	72,526.00
1988-89	76,351.40	51,304.00	6,714.00	13,705.90	71,723.90
1989-90	65,579.15	46,709.20	14,764.00	17,509.40	78,982.60
1990-91	47,439.62	57,035.20	10,508.00	16,531.80	84,075.00
1991-92	36,536.60	44,945.60	8,903.00	<b>33,061.40</b>	86,910.00
1992-93	20,433.84	54,678.50	13,685.00	13,216.20	81,579.70
1993-94	19,720.86	30,685.90	15,245.00	10,776.90	56,707.80
1994-95	35,194.46	13,573.90	10,438.00	17,858.90	41,870.80
1995-96	42,544.02	22,370.00	13,095.00	13,945.53	49,410.53
1996-97	63,868.59	43,088.60	17,460.00	11,731.10	72,279.70
1997-98	69,378.30	53,683.90	15,654.00	7,756.60	77,094.50
1998-99	55,345.74	7,131.20	10,034.00	10,026.10	27,191.30
1999-00	84,704.00	49,212.90	19,204.00	14,329.30	82,746.20
2000-01	87,340.51	34,107.30	11,693.00	17,159.13	62,959.43
2001-02	84,578.21	45,523.27	13,388.00	22,320.70	81,231.97
2002-03	93,657.23	54,237.92	20,095.00	23,086.10	97,419.02
2003-04	<b>125,205.60</b>	75,443.70	18,632.00	25,004.30	<b>119,080.00</b>
2004-05	84,096.46	18,639.50	12,462.00	21,101.20	52,202.70
2005-06	106,746.35	<b>75,951.30</b>	13,711.00	12,500.70	102,163.00
2006-07	114,506.63	18,449.30	17,476.00	14,758.30	50,683.60
2007-08	94,100.05	22,682.30	2,003.00	13,216.10	37,901.40
2008-09	43,699.39	8,532.90	6,607.00	13,149.85	28,289.75
2009-10	42,505.44	22,633.20	15,204.00	11,200.40	49,037.60
2010-11	56,244.89	38,813.70	20,775.00	19,150.80	78,739.50
2011-12	62,071.31	25,401.10	23,548.00	19,458.00	68,407.10
2012-13	65,249.06 3/	15,563.20	22,544.00	20,914.00	59,021.20
2013-14	61,428.12 4/	34,779.20	2,318.00	21,835.50	58,932.70
2014-15	67,621.29 5/	47,910.30	1,207.00	14,918.30	64,035.60
2015-16	57,510.45 6/	21,863.10	9,186.00	13,539.60	44,588.70
2016-17	116,630.82 7/	43,696.20	<b>22,923.65</b>	21,672.90	88,292.75
TOTALS	--	1,595,839.69	451,777.65	608,920.61	2,656,537.95

1/ Sum of Replenishment Water, Replacement Water Surface Delivery, USG-5 Exchange Replacement Direct Deliveries, M & I Water, Cyclic Storage Account Deliveries on pages D-2, D-3 and D-4, plus Deliveries to Cyclic Storage on Page D-5.

2/ Includes 12,300.70 acre-feet of Morris Dam Water in 1977-78 and 24,000.00 acre-feet in 1978-79.

3/ Includes 4,555.70 acre-feet of Watermaster's pre-purchases for Replacement Water.

4/ Includes 4,672.74 acre-feet of Watermaster's pre-purchases for Replacement Water.

5/ Includes 6,972.74 acre-feet of Watermaster's pre-purchases for Replacement Water.

6/ Includes 10,122.74 acre-feet of Watermaster's pre-purchases for Replacement Water.

7/ Includes 9,333.84 acre-feet of Watermaster's pre-purchases for Replacement Water, 12,756.00 acre-feet of RDA water, and 14,384.31 acre-feet of Puente Basin Water Agency stored water.

Note: The minimum and maximum values are bolded.



# APPENDIX E

## UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT / METROPOLITAN WATER DISTRICT ANNUAL IMPORTED WATER DELIVERIES AND CYCLIC STORAGE (ACRE-FEET)

Fiscal Year	Imported Water Deliveries					Cyclic Storage Account									
	Replenishment	Replacement Water	USG-5 1/ Exchange Replacement	Direct Deliveries M & I Water	Cyclic Storage	Producer Cyclic Storage	Watermaster Pre-Purchases Deliveries	Water Resource Development Deliveries	Total	Transfer To Replacement Water	Transfer from SGMWD	Transfer To Producer Cyclic Storage	Transfer To Watermaster Pre-Purchases	Net To Cyclic Storage	Cyclic Storage At End Of Year
1963-64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1964-65	10,000.00	--	--	--	--	--	--	--	10,000.00	--	--	--	--	--	--
1965-66	15,000.00	--	--	--	--	--	--	--	15,000.00	--	--	--	--	--	--
1966-67	20,000.00	--	--	--	--	--	--	--	20,000.00	--	--	--	--	--	--
1967-68	30,000.00	--	--	--	--	--	--	--	30,000.00	--	--	--	--	--	--
1968-69	20,608.70	--	--	92.00	--	--	--	--	20,700.70	--	--	--	--	--	--
1969-70	0.00	--	--	326.70	--	--	--	--	326.70	--	--	--	--	--	--
1970-71	0.00	--	--	205.10	--	--	--	--	205.10	--	--	--	--	--	--
1971-72	2,915.50	--	--	217.40	--	--	--	--	3,132.90	--	--	--	--	--	--
1972-73	7,087.60	--	--	228.60	--	--	--	--	7,316.20	--	--	--	--	--	--
1973-74	8,835.40	--	--	183.90	--	--	--	--	9,019.30	--	--	--	--	--	--
1974-75	20,231.80	13,731.90	--	255.40	--	--	--	--	34,219.10	--	--	--	--	--	--
1975-76	1,037.80	7,121.40	--	226.60	12,621.10	--	--	--	21,008.90	0.00	--	--	--	12,621.10	12,621.10
1976-77	2.90	10,752.60	2,654.90	675.80	52.40	--	--	--	14,138.60	0.00	--	--	--	52.40	12,673.50
1977-78	0.00	14,962.50 2/	2,981.70	1,712.50 3/	0.00	--	--	--	19,656.70	12,673.50	--	--	--	-12,673.50	0.00
1978-79	0.00	24,000.00 2/	3,486.10	2,114.00	0.00	--	--	--	29,600.10	0.00	--	--	--	0.00	0.00
1979-80	0.00	4,740.60	3,191.00	2,939.40	0.00	--	--	--	10,871.00	0.00	--	--	--	0.00	0.00
1980-81	0.00	0.00	3,130.70	4,379.80	0.00	--	--	--	7,510.50	0.00	--	--	--	0.00	0.00
1981-82	0.00	40,824.70	2,853.70	3,971.70	0.00	--	--	--	47,650.10	0.00	--	--	--	0.00	0.00
1982-83	0.00	22,934.40	2,256.30	5,026.60	3,189.30	--	--	--	33,406.60	0.00	--	--	--	3,189.30	3,189.30
1983-84	0.00	0.00	1,907.10	6,369.80	3,246.70	0.00	--	--	11,523.60	0.00	--	1,573.60	--	1,673.10	4,862.40
1984-85	0.00	0.00	2,395.50	7,629.70	0.00	--	--	--	10,025.20	0.00	--	0.00	--	0.00	0.00
1985-86	0.00	3,000.00	2,600.80	7,619.50	47,405.40	0.00	--	--	60,625.70	0.00	--	0.00	--	47,405.40	52,267.80
1986-87	0.00	19,354.30	2,484.20	7,947.70	23,991.10	0.00	--	--	53,777.30	5,645.80	--	0.00	--	18,345.30	70,613.10
1987-88	0.00	28,187.30	3,751.30	9,567.40	5,975.00	0.00	--	--	47,481.00	4,812.70	--	0.00	--	1,162.30	71,775.40
1988-89	0.00	39,100.00	3,726.60	8,366.70	11,070.00	0.00	--	--	51,304.00	0.00	--	0.00	--	110.70	71,886.10
1989-90	0.00	32,740.20	1,716.10	12,252.90	0.00	0.00	--	--	46,709.20	13,597.80	--	0.00	--	-13,597.80	58,288.30
1990-91	0.00	16,078.60	2,734.10	10,656.30	14,453.50	13,112.70	--	--	57,035.20	29,323.40	--	0.00	--	-14,869.90	43,418.40
1991-92	0.00	7,491.90	2,214.00	8,407.90	23,525.90	3,305.90	--	--	44,945.60	24,465.60	--	28,811.00	--	-29,750.70	13,667.70
1992-93	0.00	16,077.97	2,478.10 4/	6,991.10	10,214.60	18,916.73	--	--	54,678.50	0.00	--	26,236.20	--	-1,021.60 5/	12,646.10
1993-94	0.00	0.00	3,214.00 6/	4,421.10	0.00	23,050.80	--	--	30,685.90	3,760.42	--	321.58	--	-4,082.00	8,564.10
1994-95	0.00	0.00	3,178.10	4,218.70	6,177.10	0.00	--	--	13,573.90	0.00	--	0.00	--	6,177.10	14,741.20
1995-96	0.00	15,467.80	3,149.90	3,667.10	85.20	0.00	--	--	22,370.00	0.00	--	0.00	--	85.20	14,826.40
1996-97	0.00	3,934.10	3,304.50	3,620.10	32,229.90	0.00	--	--	43,088.60	14,054.60	--	0.00	--	18,175.30	33,001.70
1997-98	0.00	21,409.60	3,392.70	4,011.40	24,870.20	0.00	--	--	53,663.90	14,001.00	--	0.00	--	10,869.20	43,870.90
1998-99	0.00	0.00	3,353.40	3,777.80	0.00	0.00	--	--	7,131.20	13,794.10	--	0.00	--	-13,794.10	30,076.80
1999-00	0.00	13,645.60	3,508.30	5,744.20	24,416.20	0.00	--	--	49,212.90	0.00	--	0.00	--	24,416.20	54,493.00
2000-01	0.00	10,412.80	3,285.30	5,784.90	14,624.30	0.00	--	--	34,107.30	6,600.20	--	0.00	--	8,024.10	62,517.10
2001-02	0.00	25,232.27	3,438.90	14,907.20	1,944.90	0.00	--	--	45,523.27	0.00	--	0.00	--	1,944.90	64,462.00
2002-03	0.00	33,551.42	3,018.30	17,668.20	0.00	0.00	--	--	54,237.92	0.00	--	0.00	--	0.00	64,462.00
2003-04	0.00	14,166.20	3,058.30	24,616.20	33,603.00	0.00	--	--	75,443.70	10,000.00	--	10,000.00	--	13,603.00	76,065.00
2004-05	0.00	5,744.20	2,998.00	9,897.30	18,639.50	0.00	--	--	18,639.50	33,312.30	--	0.00	--	-33,312.30	44,752.70
2005-06	0.00	48,069.20	2,815.50	8,165.80	16,900.80	0.00	--	--	75,951.30	0.00	--	9,000.00	--	7,900.80	52,653.50
2006-07	0.00	0.00	2,963.30	11,326.80	4,159.20	0.00	--	--	18,449.30	7,881.15	--	0.00	--	-3,701.95	48,951.55
2007-08	0.00	0.00	3,027.20	13,930.70	5,724.40	0.00	--	--	22,682.30	15,879.43	--	5,724.40	--	-15,879.43	33,072.12
2008-09	0.00	0.00	3,064.90	5,468.00	0.00	0.00	--	--	8,532.90	21,946.72	--	11,125.40	--	-33,072.12	0.00
2009-10	0.00	16,076.40	2,611.50	3,945.30	0.00	0.00	--	--	22,633.20	0.00	--	0.00	--	0.00	0.00
2010-11	0.00	23,737.90	2,428.20	1,001.10	0.00	11,646.50	--	--	38,813.70	0.00	--	0.00	--	0.00	0.00
2011-12	0.00	3,257.20	2,999.40	975.40	0.00	18,169.10	--	--	25,401.10	0.00	--	0.00	--	0.00	0.00
2012-13	0.00	2,034.70	3,037.40	491.10	0.00	7,965.30	2,034.70	--	15,563.20	0.00	--	0.00	--	0.00	0.00
2013-14	0.00	0.00	2,983.90	506.40	0.00	31,288.90	0.00	--	34,779.20	0.00	--	5,000.00 7/	0.00	5,000.00	5,000.00
2014-15	0.00	0.00	2,711.70	6,357.70	4,031.54	29,809.36	5,000.00	--	47,910.30	0.00	--	0.00	0.00	31.54	5,031.54
2015-16	0.00	0.00	2,486.50	137.60	3,107.00	10,510.00	0.00	5,622.00	21,663.10	0.00	--	1,100.00	4,500.00	2,507.00	7,538.54
2016-17	0.00	0.00	2,876.90	319.70	0.00	35,786.60	0.00	4,713.00	43,696.20	0.00	--	5,313.40	0.00	-313.40	7,225.14

1/ Delivered as Replacement Water by Upper San Gabriel Valley Municipal Water District

2/ Includes 12,300.70 acre-feet of Morris Dam water in 1977-78 and 24,000.00 acre-feet in 1978-79.

3/ Includes 1,002.40 acre-feet of In-Lieu Replenishment Water.

4/ Actual delivery of 3,214.00 reduced by 735.90 acre-feet which was transferred to Producer Cyclic Storage Deliveries. 5/ Includes transfer of 15,000 acre-feet from Three Valleys Cyclic Storage Account.

6/ Actual delivery of 3,224.10 reduced by 10.10 acre-feet which was transferred to Producer Cyclic Storage Deliveries. 7/ Transfer of 5,000 acre-feet from San Gabriel District's Cyclic Storage Account to Upper District/MWD's Cyclic Storage Account

8/ Includes reduction of 1,000 acre-feet which was delivered to Canyon Basin on behalf of Three Valleys District

Note: The minimum and maximum values are bolded.

# APPENDIX E SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT ANNUAL IMPORTED WATER DELIVERIES AND CYCLIC STORAGE (ACRE-FEET)

Fiscal Year	Replenishment	Imported Water Deliveries						Cyclic Storage Account					Cyclic Storage At End Of Year	
		USG-5 Exchange Replacement	Direct Deliveries M & I Water	Cyclic Storage	Producer Cyclic Storage	Watermaster Pre-Purchases Deliveries	Water Resource Development Deliveries	Total	Transfer To Replacement Water	Transfer to MWD/Upper District	Transfer To USG-5 Exchange Replacement Water	Transfer To Producer Cyclic Storage		Net To Cyclic Storage
1974-75	--	787.10	--	44.90	--	--	--	832.00	0.00	--	0.00	--	44.90	44.90
1975-76	--	1,302.90	--	6,972.10	--	--	--	8,275.00	0.00	--	0.00	--	6,972.10	7,017.00
1976-77	--	3,814.95	992.93	2,722.12	--	--	--	7,530.00	0.00	--	0.00	--	2,722.12	9,739.12
1977-78	--	4,470.85	1,115.15	0.00	--	--	--	5,586.00	2,287.23	--	0.00	--	-2,287.23	7,451.89
1978-79	--	4,112.25	1,303.79	1,551.96	--	--	--	6,968.00	0.00	--	0.00	--	1,551.96	9,003.85
1979-80	--	0.00	1,064.00	0.00	--	--	--	1,064.00	2,803.98	--	129.42	--	-2,933.40	6,070.45
1980-81	--	0.00	0.00	0.00	--	--	--	0.00	190.24	--	1,170.88	--	-1,361.12	4,709.33
1981-82	--	81.84	1,067.28	648.88	--	--	--	1,798.00	0.00	--	0.00	--	648.88	5,358.21
1982-83	--	0.00	843.87	1,377.13	--	--	--	2,221.00	0.00	--	0.00	--	1,377.13	6,735.34
1983-84	--	0.00	79.00	0.00	0.00	--	--	79.00	1,036.93	--	634.25	--	-1,671.18	5,064.16
1984-85	--	0.00	66.00	0.00	0.00	--	--	66.00	829.91	--	829.91	--	-829.91	4,234.25
1985-86	--	4,484.30	972.70	0.00	0.00	--	--	5,457.00	3,886.23	--	0.00	--	-3,886.23	348.02
1986-87	--	4,368.59	929.09	7,300.32	0.00	--	--	12,598.00	0.00	--	0.00	--	7,300.32	7,648.34
1987-88	--	7,763.11	1,402.99	660.90	0.00	--	--	9,827.00	0.00	--	0.00	--	660.90	8,309.24
1988-89	--	5,320.25	1,393.75	0.00	0.00	--	--	6,714.00	3,844.04	--	0.00	--	-8,844.04	4,465.20
1989-90	--	11,296.63	641.82	2,825.55	0.00	--	--	14,764.00	0.00	--	0.00	--	2,825.55	7,290.75
1990-91	--	9,485.43	1,022.57	0.00	0.00	--	--	10,508.00	3,298.53	--	0.00	--	-3,298.53	3,992.22
1991-92	--	8,074.96	828.04	0.00	0.00	--	--	8,903.00	2,400.42	--	0.00	--	-2,400.42	1,591.80
1992-93	--	11,418.17	1,202.03	1,064.80	0.00	--	--	13,685.00	0.00	--	0.00	--	1,064.80	2,856.60
1993-94	--	8,620.14	1,205.80	5,419.06	0.00	--	--	15,245.00	0.00	--	0.00	--	5,419.06	8,075.66
1994-95	--	5,691.49	1,188.61	3,557.90	0.00	--	--	10,438.00	0.00	--	0.00	--	3,557.90	11,633.56
1995-96	--	8,484.59	1,178.05	3,432.36	0.00	--	--	13,095.00	0.00	--	0.00	--	3,432.36	15,065.92
1996-97	--	14,525.94	1,235.89	1,698.17	0.00	--	--	17,460.00	0.00	--	0.00	--	1,698.17	16,764.09
1997-98	--	14,061.60	1,268.85	323.55	0.00	--	--	15,654.00	0.00	--	0.00	--	-5,376.45	11,387.64
1998-99	--	6,158.61	1,254.19	2,621.20	0.00	--	--	10,034.00	0.00	--	0.00	--	-578.80	10,808.84
1999-00	--	9,286.01	1,312.09	8,605.90	0.00	--	--	19,204.00	0.00	--	0.00	--	3,200.00	4,806.90
2000-01	--	10,464.30	1,228.70	0.00	0.00	--	--	11,693.00	3,237.77	--	0.00	--	3,800.00	8,576.97
2001-02	--	10,929.17	1,286.13	1,172.70	0.00	--	--	13,388.00	0.00	--	0.00	--	7,100.00	2,649.67
2002-03	--	3,938.39	1,128.84	15,027.77	0.00	--	--	20,095.00	0.00	--	0.00	--	8,300.00	6,727.77
2003-04	--	672.60	1,143.80	16,815.60	0.00	--	--	18,632.00	0.00	--	0.00	--	9,300.00	16,393.04
2004-05	--	500.66	1,121.25	10,840.09	0.00	--	--	12,462.00	0.00	--	0.00	--	7,015.60	9,377.44
2005-06	--	0.00	1,052.99	12,658.01	0.00	--	--	13,711.00	0.00	--	0.00	--	14,133.13	14,133.13
2006-07	--	573.59	1,108.29	15,794.12	0.00	--	--	17,476.00	0.00	--	0.00	--	25,846.76	25,846.76
2007-08	--	91.76	1,132.17	779.07	0.00	--	--	2,003.00	0.00	--	0.00	--	3,832.00	3,832.00
2008-09	--	788.73	1,146.29	4,671.98	0.00	--	--	6,607.00	0.00	--	0.00	--	12,712.67	12,712.67
2009-10	--	1,886.58	976.70	12,340.72	0.00	--	--	15,204.00	0.00	--	0.00	--	9,161.94	18,927.86
2010-11	--	14,655.86	908.13	5,211.01	0.00	--	--	20,775.00	0.00	--	0.00	--	22,043.24	22,043.24
2011-12	--	22,426.22	1,121.78	0.00	0.00	--	--	23,548.00	2,209.98	--	0.00	--	7,500.00	19,754.25
2012-13	--	16,269.22	1,135.98	5,138.80	0.00	--	--	22,544.00	0.00	--	0.00	--	0.00	17,544.27
2013-14	--	1,202.03	1,115.97	0.00	0.00	--	--	2,318.00	1,532.00	--	0.00	--	7,000.00	18,661.20
2014-15	--	192.83	1,014.17	0.00	0.00	--	--	1,207.00	4,605.69	--	0.00	--	2,549.19	6,601.88
2015-16	--	0.00	929.95	7,354.05	0.00	--	--	9,186.00	0.00	--	0.00	--	-961.80	2,957.99
2016-17	--	14,029.70	1,075.95	8,132.95	0.00	--	--	23,999.60	0.00	--	0.00	--	5,312.04	3,254.05
TOTALS	--	242,231.35	42,195.58	166,763.67	0.00	0.00	0.00	452,853.60	31,333.04	15,000.00	2,764.46	109,221.18	8,444.99	--

1/ Includes transfer of 961.8 acre-feet from Sierra Madre's Cyclic Storage Account to San Gabriel District's Cyclic Storage Account  
Note: The minimum and maximum values are bolded.

## APPENDIX E

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District Producer Cyclic Storage. See page D-5

# APPENDIX E

## INDIVIDUAL PRODUCER ACCOUNTS

### TOTAL ANNUAL IMPORTED WATER DELIVERIES AND CYCLIC STORAGE (ACRE-FEET)

Fiscal Year	Upper District Producers				Three Valleys District Producers				San Gabriel Valley District Producers						
	Deliveries To Cyclic Storage	Transfer From Upper District/MWD Cyclic Storage	Transfer from Watermaster Pre-Purchase Account	Cyclic Storage At End Of Year	Withdrawals	Deliveries To Cyclic Storage	Transfer From Three Valleys District Cyclic Storage	Transfer from Watermaster Pre-Purchase Account	Withdrawals	Cyclic Storage At End Of Year	Deliveries To Cyclic Storage	Transfer From San Gabriel Valley District Cyclic Storage	Transfer from Watermaster Pre-Purchase Account	Withdrawals	Cyclic Storage At End Of Year
1983-84	0.00	1,573.60	--	0.00	1,573.60	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1984-85	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1985-86	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1986-87	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1987-88	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1988-89	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1989-90	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1990-91	13,112.70	0.00	--	0.00	13,112.70	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1991-92	3,305.90	28,811.00	--	0.00	32,116.90	0.00	3,800.00	--	3,800.00	0.00	0.00	0.00	--	0.00	0.00
1992-93	18,916.73 1/	26,236.20	--	0.00	45,147.93	0.00	4,933.50	--	4,883.46	50.04	0.00	0.00	--	0.00	0.00
1993-94	23,050.80 2/	321.58	--	0.00	23,372.38	0.00	2,000.00	--	2,050.04	0.00	0.00	0.00	--	0.00	0.00
1994-95	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1995-96	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1996-97	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1997-98	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	5,700.00	--	4,331.64	1,368.36
1998-99	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	3,200.00	--	2,859.66	1,708.70
1999-00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	3,800.00	--	3,663.84	1,844.86
2000-01	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	3,800.00	--	2,825.02	2,819.84
2001-02	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	7,100.00	--	6,450.10	3,469.74
2002-03	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	8,300.00	--	5,948.75	5,820.99
2003-04	0.00	10,000.00	--	0.00	10,000.00	0.00	0.00	--	0.00	0.00	0.00	9,800.00	--	8,870.23	6,750.76
2004-05	0.00	0.00	--	0.00	0.00	0.00	1,800.00	--	1,800.00	0.00	0.00	13,100.00	--	9,904.94	9,945.82
2005-06	0.00	9,000.00	--	0.00	9,000.00	0.00	0.00	--	0.00	0.00	0.00	944.38	--	3,434.20	7,456.00
2006-07	0.00	2,100.00 3/	--	0.00	3,307.46	7,285.83	332.00 3/	--	332.00	0.00	0.00	1,400.00	--	3,670.43	5,185.57
2007-08	0.00	2,276.03	--	0.00	3,740.96	5,820.90	2,029.24 4/5/	--	0.00	2,029.24	0.00	14,131.80 4/	--	5,402.96	13,944.41
2008-09	0.00	11,125.40	--	0.00	9,112.32	7,833.98	5,335.00	--	1,600.09	5,764.15	0.00	11,619.40	--	19,526.61	6,007.20
2009-10	0.00	0.00	--	0.00	7,031.99	2,988.01	988.50	--	3,629.92	3,132.73	0.00	9,225.34	--	11,300.00	3,932.54
2010-11	23,335.90 6/	0.00	--	0.00	11,902.64	19,267.14	4,160.20	--	3,480.02	3,812.91	0.00	7,900.00	--	0.00	11,432.54
2011-12	18,169.10	0.00	--	0.00	10,492.71	26,943.53	3,949.50	--	2,711.74	5,050.67	0.00	0.00	--	7,500.00	3,932.54
2012-13	10,000.00	0.00	--	0.00	18,712.62	18,230.91	2,569.00	--	3,269.44	4,350.23	0.00	7,000.00	--	2,049.19	8,883.35
2013-14	31,288.90	0.00	--	0.00	26,549.29 7/	22,970.52	1,300.00	--	2,862.02	2,788.21	0.00	2,949.19	--	6,914.67 8/	4,517.87
2014-15	29,809.36	5,000.00	1,900.00	0.00	32,023.17	27,656.71	800.00	--	1,485.67	3,102.54	3,995.80	0.00	--	981.80 9/	7,551.87
2015-16	10,510.00	1,100.00	1,000.00	0.00	15,830.75	24,435.96	500.00	--	1,346.07	2,606.47	0.00	0.00	--	2,334.17	5,217.70
2016-17	35,786.60	5,313.40	359.00	0.00	19,041.42	46,853.54	2,777.00	0.00	2,721.21	2,662.26	0.00	0.00	--	2,246.96	2,970.74

1/ Includes 735.90 acre-feet transferred from USG-5 Exchange Replacement.  
2/ Includes 10.10 acre-feet transferred from USG-5 Exchange Replacement.  
3/ Delivered by San Gabriel Valley District on behalf of Upper District and Three Valleys District producers.  
4/ Upper District delivered 1,931.00 AF on behalf of Three Valleys District producers and 1,517.37 AF on behalf of San Gabriel District producers.  
5/ San Gabriel District delivered 86.24 AF on behalf of Three Valley District producers.  
6/ Includes 11,689.30 acre-feet delivered by Three Valleys District on behalf of Upper District producers.  
7/ Upper District Producer pre-ordered 2,676 acre-feet of Cyclic Storage from Upper District. Pre-order applied to calculated 2013-14 Replacement Water Obligation.  
8/ San Gabriel District Producer pre-ordered 4,500 acre-feet of Cyclic Storage from San Gabriel District. Pre-order applied to calculated 2013-14 Replacement Water Obligation.  
9/ Transferred from City of Sierra Madre Cyclic Storage to San Gabriel District Cyclic Storage  
Note: The minimum and maximum values are bolded.





## **APPENDIX F**

### **SUMMARY OF ACCOUNTING UNDER MAKE-UP WATER OBLIGATION**

### **HISTORY OF ANNUAL MAKE-UP WATER DELIVERIES TO LOWER AREA**

## APPENDIX F

### SUMMARY OF ACCOUNTING UNDER MAKE-UP WATER OBLIGATION (ACRE-FEET)

1. Accrued Credit of Upper Area as of September 30, 2015	119,181
2. Amount of Make-up Water delivered during water year 2015-16	
a. Payment for Reclaimed Water	0
b. Surface Flow Delivery	0
c. Total	<u>0</u>
3. Adjusted Accrued Credit of Upper Area as of September 30, 2015	119,181
4. Credit for Water Year 2015-16	<u><u>2,181</u></u>
5. Accrued Credit of Upper Area as of September 30, 2016	121,362
6. Required Make-up Water obligation to be delivered during Water Year 2016-17	0

## APPENDIX F

### HISTORY OF ANNUAL MAKE-UP WATER DELIVERIES TO LOWER AREA (ACRE-FEET)

Water Year	Annual Accounting Make-up Water Deliveries			Long-term Accounting Make-up Water Deliveries				Total Make-up Water
	Reclaimed Water	Surface Flow	Total	Reclaimed Water	Surface Flow	In-Lieu Payment	Total	
1963-64	<b>0</b>	<b>0</b>	<b>0</b>	-	-	-	-	<b>0</b>
1964-65	13,257	0	13,257	-	-	-	-	13,257
1965-66	14,528	6,489	21,017	-	-	-	-	21,017
1966-67	<b>14,735</b>	0	14,735	-	-	-	-	14,735
1967-68	7,425	0	7,425	-	-	-	-	7,425
1968-69	5,597	0	5,597	-	-	-	-	5,597
1969-70	0	0	0	-	-	-	-	0
1970-71	0	0	0	-	-	-	-	0
1971-72	0	0	0	-	-	-	-	0
1972-73	0	0	0	-	-	-	-	0
1973-74	0	0	0	-	-	-	-	0
1974-75	2,834	0	2,834	-	-	-	-	2,834
1975-76	14,637	0	14,637	-	-	-	-	14,637
1976-77	12,394	<b>14,507</b>	26,901	-	-	-	-	26,901
1977-78	10,158	7,864	18,022	-	-	-	-	18,022
1978-79	0	0	0	-	-	-	-	0
1979-80	0	0	0	10,716	10,843	-	<b>21,559</b>	21,559
1980-81	0	0	0	<b>14,568</b>	31,241	-	<b>45,809</b>	<b>45,809</b>
1981-82	0	0	0	11,464	30,716	-	42,180	42,180
1982-83	7,285	0	7,285	<b>0</b>	<b>8,921</b>	<b>15,883</b>	24,804	32,089
1983-84	0	0	0	<b>0</b>	<b>33,589</b>	<b>0</b>	33,589	33,589
1984-85	0	0	0	-	-	-	-	0
1985-86	0	0	0	-	-	-	-	0
1986-87	0	0	0	-	-	-	-	0
1987-88	14,735	5,712	20,447	-	-	-	-	20,447
1988-89	14,735	6,455	21,190	-	-	-	-	21,190
1989-90	14,735	13,544	<b>28,279</b>	-	-	-	-	28,279
1990-91	14,735	100	14,835	-	-	-	-	14,835
1991-92	14,735	0	14,735	-	-	-	-	14,735
1992-93	2,359	0	2,359	-	-	-	-	2,359
1993-94	0	0	0	-	-	-	-	0
1994-95	0	0	0	-	-	-	-	0
1995-96	0	0	0	-	-	-	-	0
1996-97	0	0	0	-	-	-	-	0
1997-98	0	0	0	-	-	-	-	0
1998-99	0	0	0	-	-	-	-	0
1999-00	0	0	0	-	-	-	-	0
2000-01	0	0	0	-	-	-	-	0
2001-02	0	0	0	-	-	-	-	0
2002-03	0	0	0	-	-	-	-	0
2003-04	0	0	0	-	-	-	-	0
2004-05	0	0	0	-	-	-	-	0
2005-06	0	0	0	-	-	-	-	0
2006-07	0	0	0	-	-	-	-	0
2007-08	0	0	0	-	-	-	-	0
2008-09	0	0	0	-	-	-	-	0
2009-10	0	0	0	-	-	-	-	0
2010-11	0	0	0	-	-	-	-	0
2011-12	0	0	0	-	-	-	-	0
2012-13	0	0	0	-	-	-	-	0
2013-14	0	0	0	-	-	-	-	0
2014-15	0	0	0	-	-	-	-	0
2015-16	0	0	0	-	-	-	-	0
TOTALS	178,884	54,671	233,555	36,748	115,310	15,883	167,941	401,496
53-Year Average	3,375	1,031	4,406	693	2,176	300	3,169	7,575

Note: The minimum and maximum values are bolded.



**APPENDIX G**

**QUARTERLY GROUNDWATER EXTRACTIONS  
AND  
SURFACE DIVERSIONS**





## APPENDIX G

### QUARTERLY GROUNDWATER EXTRACTIONS AND SURFACE DIVERSIONS

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

#### Alhambra, City of

7	1903097	0.00	0.00	0.00	1.54	1.54
MOELR (8)	1900010	342.48	164.92	107	136.29	750.69
9	1900011	2.95	1.55	1.55	1.35	7.40
10	1900012	0.00	0.00	0.00	0.00	0.00
11	1903014	0.87	0.34	0.00	7.22	8.43
12	1900013	2.82	1.63	1.21	1.45	7.11
13	1900014	101.72	35.71	16.34	101.86	255.63
14	1900015	352.77	361.32	366.80	348.10	1,428.99
15	1900016	329.51	272.38	218.29	328.54	1,148.72
1 LON	1902789	319.31	286.59	216.94	328.52	1,151.36
2 LON	1900017	409.26	343.82	306.80	420.42	1,480.30
TOTAL		1,861.69	1,468.26	1,234.93	1,675.29	6,240.17

#### Amarillo Mutual Water Company

SOUTH	1900791	60.35	75.88	31.84	74.32	242.39
NORTH	1900792	31.32	3.72	43.81	11.99	90.84
TOTAL		91.67	79.60	75.65	86.31	333.23

#### Arcadia, City of

1 L.O.	8000127	1,062.72	804.91	505.97	998.97	3,372.57
1 LON	1901013	130.35	81.25	0.32	0.00	211.92
1 PEC	1902854	948.94	720.68	197.98	463.71	2,331.31
2 BAL	1902791	0.00	0.00	0.00	0.00	0.00
2 LON	1901014	0.00	0.02	0.04	0.00	0.06
2 STJ	8000177	39.24	4.81	0.00	1.38	45.43
3 CAM	8000213	592.85	516.79	502.20	885.99	2,497.83
3 LONG	8000214	604.45	379.77	247.97	537.39	1,769.58
SM	8000193	0.00	0.00	0.00	0.00	0.00
TOTAL		3,378.55	2,508.23	1,454.48	2,887.44	10,228.70

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

**Azusa, City of**

1	8000072	628.71	423.66	166.78	239.05	1,458.20
2	1902457	60.69	136.96	368.02	345.13	910.80
3	8000086	543.87	476.39	596.91	957.68	2,574.85
4	1902458	351.13	220.33	378.96	592.24	1,542.66
5	1902533	289.76	331.13	25.82	0.00	646.71
6	1902535	299.34	0.53	172.59	142.20	614.66
7	1902116	94.61	111.62	13.43	0.12	219.78
8	1902115	511.37	285.29	0.34	146.49	943.49
10	8000103	5.06	5.40	5.28	6.80	22.54
11	8000178	620.90	500.13	240.59	289.94	1,651.56
12	8000179	477.68	355.45	327.32	380.85	1,541.30
DIV EFF	1902118	1,290.50	1,325.45	1,222.37	1,839.95	5,678.27
VUL	1903119	38.30	19.52	1.99	30.32	90.13
TOTAL		5,211.92	4,191.86	3,520.40	4,970.77	17,894.95

**Banks, Gale & Vicki**

--	8000215	13.04	3.67	2.86	12.90	32.47
TOTAL		13.04	3.67	2.86	12.90	32.47

**California-American Water Company**  
**Duarte System**

BACON	1900497	1.74	4.51	0.08	0.10	6.43
B-V	1900355	0.00	0.00	0.11	0.00	0.11
B-V2	8000216	433.89	415.68	181.05	360.69	1,391.31
CR HV	1903018	132.37	4.03	18.00	448.48	602.88
DIV 2	1900360	118.81	51.83	26.39	59.37	256.40
ENCTO	8000139	4.61	20.84	0.58	2.04	28.07
FISH C	1900358	0.00	0.00	0.00	0.00	0.00
LAS L 2	8000140	194.71	151.97	22.46	75.00	444.14
STA FE	1900354	318.73	99.49	124.58	108.05	650.85
WILEY	1902907	571.24	533.45	519.64	502.57	2,126.90
TOTAL		1,776.10	1,281.80	892.89	1,556.30	5,507.09

**California-American Water Company**  
**San Marino System**

DELMAR	1903059	310.07	49.52	0.00	85.59	445.18
GRAND	1900926	303.54	324.38	205.25	344.86	1,178.03
HALL-2	8000175	109.28	167.21	80.97	364.83	722.29
HOWL	1902424	44.00	154.15	97.09	237.62	532.86
LONG	1900935	36.94	4.22	0.00	0.00	41.16

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
MAR-3	1903019	222.78	88.15	24.39	266.62	601.94
MISVW	1900920	0.00	0.00	0.00	0.00	0.00
ROSE	1900927	0.00	0.00	0.00	0.00	0.00
RIC-3	8000222	551.01	633.89	634.18	611.81	2,430.89
ADA-3	8000182	0.00	0.00	0.00	0.00	0.00
TOTAL		1,577.62	1,421.52	1,041.88	1,911.33	5,952.35

**California Country Club**

ARTES	1902531	0.00	0.00	0.00	0.00	0.00
SYC	1903084	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	0.00	0.00	0.00	0.00

**California Domestic Water Company**

2	1901181	812.46	175.56	134.48	778.54	1,901.04
3	1903057	1,569.58	1,532.00	1,618.68	1,637.75	6,358.01
6	1902967	711.34	699.39	384.67	1,125.69	2,921.09
8	1903081	566.37	118.95	65.65	718.45	1,469.42
5A	8000100	1,304.83	1,217.07	1,299.55	1,266.53	5,087.98
10	8000223	25.43	19.48	4.08	126.25	175.24
PBWA/RO	8000224	0.00	0.00	-24.68	-591.31	-615.99
TOTAL		4,990.01	3,762.45	3,482.43	5,061.90	17,296.79

**Carrier Corporation**

--	--	7.00	9.66	1.45	1.55	19.66
TOTAL		7.00	9.66	1.45	1.55	19.66

**Citrus Valley Medical Center, Queen of the Valley Campus**

1	8000138	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	0.00	0.00	0.00	0.00

**Coiner, James W., dba Coiner Nursery**

5R	1903072	22.57	3.58	8.49	27.87	62.51
TOTAL		22.57	3.58	8.49	27.87	62.51

**County Sanitation District No. 18**

E01R	8000161	0.03	0.03	0.03	0.03	0.12
E02R	8000165	0.32	0.35	0.41	0.43	1.51
E03R	8000162	0.01	0.01	0.01	0.01	0.04
E04R	8000166	0.08	0.08	0.08	0.08	0.32

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
E05R	8000163	0.14	0.15	0.15	0.15	0.59
E06R	8000167	0.04	0.04	0.04	0.04	0.16
E07R	8000164	0.23	0.23	0.10	0.27	0.83
E08R	8000168	0.11	0.11	0.12	0.12	0.46
E16A	8000153	0.14	0.12	0.15	0.15	0.56
E17A	8000154	1.05	1.00	0.91	0.98	3.94
E18A	8000155	0.17	0.17	0.13	0.17	0.64
E19A	8000156	0.23	0.20	0.24	0.26	0.93
E20A	8000173	0.21	0.21	0.21	0.14	0.77
EX 1	8000141	0.08	0.08	0.09	0.09	0.34
EX 2	8000142	0.00	0.00	0.01	0.02	0.03
EX 3	8000143	0.00	0.00	0.00	0.00	0.00
EX 4	8000144	0.00	0.00	0.01	0.00	0.01
WRP FL E	--	0.00	0.00	0.00	9.15	9.15
TOTAL		2.84	2.78	2.69	12.09	20.40

**Covina Irrigating Company**

1 BAL	1900885	0.00	0.00	0.00	0.00	0.00
2 BAL	1900883	0.00	0.00	0.00	0.00	0.00
3 BAL	1900882	0.00	0.00	0.00	0.00	0.00
NP EFFL	1900884	1,636.45	1,509.56	670.86	1,558.04	5,374.91
SP EFFL	1900884	1,273.60	753.11	962.37	1,126.57	4,115.65
PMSGV-2	--	-237.21	-872.73	-518.99	-1,002.57	-2,631.50
TOTAL		2,672.84	1,389.94	1,114.24	1,682.04	6,859.06

**DeFalco, John & Carole**

8000194	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00	0.00	0.00

**Del Rio Mutual Water Company**

BURKE	1900331	31.00	25.00	21.00	28.00	105.00
TOTAL		31.00	25.00	21.00	28.00	105.00

**East Pasadena Water Company, Ltd.**

9	1901508	0.84	111.46	0.56	33.29	146.15
11	8000217	394.34	207.89	229.42	332.54	1,164.19
TOTAL		395.18	319.35	229.98	365.83	1,310.34

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

**El Monte, City of**

4	1901694	0.00	0.00	0.00	0.00	0.00
10	1901699	50.66	290.70	255.86	261.81	859.03
12	1903137	253.58	81.46	37.20	119.85	492.09
13	8000101	6.94	14.84	3.13	22.61	47.52
2A	1901692	310.96	149.20	71.60	273.88	805.64
TOTAL		622.14	536.20	367.79	678.15	2,204.28

**Gates, James Richard**

GATES 1	8000215	0.25	0.18	0.23	0.21	0.87
TOTAL		0.25	0.18	0.23	0.21	0.87

**Glendora, City of**

2-E	1901526	52.62	39.20	4.90	15.84	112.56
5-E	8000149	797.47	555.25	430.13	636.12	2,418.97
8-E	1900829	567.85	281.16	255.67	511.12	1,615.80
9-E	1900830	559.68	405.74	251.36	526.32	1,743.10
10-E	1900828	13.76	1.59	1.50	2.52	19.37
11-E	1900826	3.29	1.92	2.28	4.12	11.61
12-G	1900827	1,177.39	970.00	533.15	1,100.44	3,780.98
13-E	8000003	137.48	38.08	41.26	82.58	299.40
TOTAL		3,309.54	2,292.94	1,520.25	2,879.06	10,001.79

**Golden State Water Company**  
**San Dimas District**

ART-2	1902152	0.00	0.00	0.00	0.00	0.00
ART-3	1902842	45.34	11.27	44.86	37.76	139.23
BAS-3	1902148	95.14	75.63	16.98	126.00	313.75
BAS-4	1902149	152.92	151.78	5.24	0.00	309.94
COL-4	1902268	87.67	56.68	30.31	1.99	176.65
COL-6	1902270	0.00	0.00	0.00	0.00	0.00
CITY	1902286	48.29	23.70	12.49	65.53	150.01
GOLF	1902157	0.00	0.00	0.00	0.00	0.00
HWY	1902150	23.53	129.06	139.53	177.59	469.71
HWY-2	8000212	0	0	217.7	227.53	445.23
MALON	1902287	137.91	93.05	121.95	128.83	481.74
TOTAL		590.80	541.17	589.06	765.23	2,486.26



Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

**Golden State Water Company**  
**San Gabriel Valley District**

1 ENC	1902024	104.36	121.18	93.23	64.61	383.38
1 FAR	1902034	133.93	44.92	22.10	86.69	287.64
1 PER	1902027	26.86	11.90	2.68	77.19	118.63
1 S G	1900510	304.83	340.85	315.43	323.70	1,284.81
2 ENC	1902035	157.02	152.34	166.55	226.87	702.78
2 FAR	1902948	41.73	38.05	10.42	39.21	129.41
2 S G	1900511	97.09	61.49	40.29	89.74	288.61
3 ENC	8000073	162.93	141.34	75.88	120.89	501.04
3 GAR	8000221	154.15	137.64	77.00	142.53	511.32
3 SAX	1900514	67.39	33.15	11.11	37.05	148.70
4 JEF	8000111	235.68	172.67	164.25	182.19	754.79
4 SAX	8000146	0.00	7.38	79.70	33.91	120.99
TOTAL		1,485.97	1,262.91	1,058.64	1,424.58	5,232.10

**Gould Electronics Inc. and**  
**Johnson Controls Inc.**

SEW	--	15.16	9.97	8.92	9.04	43.09
DEW	--	220.62	203.69	147.50	217.65	789.46
TOTAL		235.78	213.66	156.42	226.69	832.55

**Hanson Aggregates West, Inc.**

1 EL	1901492	10.70	10.94	9.23	20.29	51.16
3 EL	1901493	40.42	26.56	20.78	28.27	116.03
4 EL	1903006	0.00	0.00	0.00	0.00	0.00
TOTAL		51.12	37.50	30.01	48.56	167.19

**Hemlock Mutual Water Company**

NORTH	1901178	7.86	7.77	6.21	8.61	30.45
SOUTH	1902806	11.94	7.95	6.41	10.44	36.74
TOTAL		19.80	15.72	12.62	19.05	67.19

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

**Hermetic Seal Corporation**

EW-21/22	--	14.04	13.38	12.60	13.05	53.07
TOTAL		14.04	13.38	12.60	13.05	53.07

**Industry Waterworks System, City of**

3	8000078	0.00	0.00	0.00	0.00	0.00
4	8000096	0.00	0.00	0.00	0.00	0.00
5	8000097	417.61	430.17	388.17	0.00	1,235.95
TOTAL		417.61	430.17	388.17	0.00	1,235.95

**La Puente Valley County Water District**

2	1901460	4.17	18.41	14.86	13.26	50.70
3	1902859	4.84	22.98	18.16	15.51	61.49
5	8000209	853.53	881.79	836.30	831.75	3,403.37
SWS	8000176	-423.51	-611.37	-620.73	-457.58	-2,113.19
TOTAL		439.03	311.81	248.59	402.94	1,402.37

**Los Angeles, County of**

2	1902580	0.00	0.00	0.00	0.00	0.00
4	1902664	0.00	0.00	0.00	0.00	0.00
1 SF	8000070	270.91	109.46	83.74	321.81	785.92
1 WHI	1902579	0.00	0.00	0.00	0.00	0.00
2 SF	8000074	6.16	4.06	3.60	7.43	21.25
B RED	8000088	0.00	0.00	0.00	0.00	0.00
BN PK	1902158	0.00	0.00	0.00	0.00	0.00
N LK	8000089	0.00	0.00	0.00	0.00	0.00
EPA (LE L)	--	902.34	908.38	761.09	836.99	3,408.80
TOTAL		1,179.41	1,021.90	848.43	1,166.23	4,215.97

**MillerCoors LLC**

1	8000075	92.81	125.39	128.61	104.05	450.86
TOTAL		92.81	125.39	128.61	104.05	450.86

**Monrovia, City of**

2	1900418	289.54	157.42	18.66	3.78	469.40
3	1900419	470.13	311.96	133.91	202.33	1,118.33

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
4	1900420	0.00	70.87	280.56	532.81	884.24
5	1940104	657.35	457.90	309.22	551.01	1,975.48
6	8000171	642.34	506.16	377.34	607.23	2,133.07
TOTAL		2,059.36	1,504.31	1,119.69	1,897.16	6,580.52

**Monterey Park, City of**

1	1900453	10.77	12.24	2.79	1.07	26.87
3	1900455	0.00	0.00	0.00	0.00	0.00
5	1900457	270.55	188.64	59.66	49.78	568.63
7	1902372	0.00	0.00	0.00	0.00	0.00
8	1902373	0.00	0.00	0.00	0.00	0.00
9	1902690	1.69	1.60	1.35	0.77	5.41
10	1902818	437.87	229.37	76.57	273.78	1,017.59
12	1903033	792.72	798.16	815.83	807.18	3,213.89
15	8000196	586.99	570.94	613.78	753.47	2,525.18
FERN	8000126	41.06	52.97	9.39	75.13	178.55
TOTAL		2,141.65	1,853.92	1,579.37	1,961.18	7,536.12

**Munoz, Ralph**

MUNOZ	8000219	0.92	0.66	0.09	0.84	2.51
TOTAL		0.92	0.66	0.09	0.84	2.51

**Puente Basin Water Agency**

PBWA/RO	8000224	0.00	0.00	24.68	591.31	615.99
TOTAL		0.00	0.00	24.68	591.31	615.99

**Rowland Water District**

--	--	24.95	13.29	9.83	10.22	58.29
TOTAL		24.95	13.29	9.83	10.22	58.29

**Rurban Homes Mutual Water Company**

1-NOR	1900120	44.05	26.66	23.58	49.69	143.98
2-SOU	20071758-06	0.00	0.00	0.00	0.00	0.00
TOTAL		44.05	26.66	23.58	49.69	143.98

**San Gabriel Country Club**

1	1900547	0.64	5.76	3.14	13.77	23.31
2	1902979	125.08	37.49	12.21	73.98	248.76
TOTAL		125.72	43.25	15.35	87.75	272.07

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

**San Gabriel County Water District**

9	1902785	363.65	345.00	367.78	362.90	1,439.33
11	8000067	9.41	11.91	1.12	1.12	23.56
12	8000123	399.99	317.52	275.49	366.26	1,359.26
14	8000133	429.98	285.25	166.99	432.99	1,315.21
15	8000220	324.30	307.26	255.81	237.02	1,124.39
TOTAL		1,527.33	1,266.94	1,067.19	1,400.29	5,261.75

**San Gabriel Valley Water Company**

1B	1900729	0.38	0.34	0.52	0.57	1.81
1C	1902946	0.44	0.32	0.51	0.34	1.61
1D	8000102	584.19	490.67	489.35	694.68	2,258.89
1E	8000172	642.35	237.50	44.15	240.76	1,164.76
2D	1902857	720.93	523.41	159.58	485.29	1,889.21
2E	8000065	8.49	7.33	1.60	3.29	20.71
2F	8000197	248.30	111.74	3.39	99.74	463.17
8B	1900746	4.57	1.63	1.92	1.30	9.42
8C	1900747	313.60	187.16	110.44	286.20	897.40
8D	1903103	469.90	278.56	164.96	409.54	1,322.96
8E	8000113	12.55	7.68	8.06	3.64	31.93
8F	8000169	9.29	6.22	2.62	5.80	23.93
11A	1900739	460.27	226.73	119.60	430.78	1,237.38
11B	1900745	0.79	0.67	0.03	0.00	1.49
11C	1902713	46.71	9.10	0.56	14.44	70.81
B1	1902635	0.00	0.00	0.00	0.00	0.00
B4B	1902858	0.00	0.00	0.00	0.00	0.00
B5A	1900718	0.00	0.00	0.00	0.00	0.00
B5B	1900719	1,107.49	1,067.63	845.93	1,159.61	4,180.66
B5C	8000112	0.00	0.00	0.00	0.00	0.00
B5D	8000160	30.51	7.57	10.57	13.60	62.25
B5E	8000205	940.96	904.44	945.04	1,360.71	4,151.15
B6C	1903093	0.03	0.00	0.00	0.00	0.03
B6D	8000098	0.07	0.36	0.09	0.22	0.74
B7C	8000068	0.00	0.00	0.00	0.00	0.00
B7E	8000122	0.34	0.21	0.61	0.51	1.67
B9B	8000099	178.10	72.54	29.56	157.81	438.01
B11A	1901439	0.00	0.00	0.00	0.00	0.00
B11B	8000108	390.03	159.50	78.81	354.47	982.81
B24A	8000203	10.12	3.34	9.53	20.94	43.93
B24B	8000204	2.57	1.05	1.38	2.28	7.28
B25A	8000187	883.65	911.25	957.64	904.35	3,656.89

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

B25B	8000188	1,041.27	1,056.16	1,054.60	943.50	4,095.53
B26A	8000189	186.66	211.85	232.56	246.73	877.80
B26B	8000190	355.58	390.39	374.79	394.27	1,515.03
G4	1900725	71.31	52.80	36.87	57.65	218.63

TOTAL		8,721.45	6,928.15	5,685.27	8,293.02	29,627.89
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**Sierra La Verne Country Club**

1	8000124	0.00	0.00	0.00	0.00	0.00
15 Offsite	8000192	0.00	0.00	0.00	0.00	0.00

TOTAL		0.00	0.00	0.00	0.00	0.00
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**Sierra Madre, City of**

	8000193	0.00	0.00	0.00	0.00	0.00
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TOTAL		0.00	0.00	0.00	0.00	0.00
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**S. L. S. & N. Inc.**

Pit M	8000151	6.49	6.91	6.05	6.34	25.79
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TOTAL		6.49	6.91	6.05	6.34	25.79
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**Sonoco Products Company**

2	8000137	17.35	18.86	15.75	17.46	69.42
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TOTAL		17.35	18.86	15.75	17.46	69.42
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**Southern California Edison Company**

110RH	8000046	0.05	0.00	0.00	0.05	0.10
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TOTAL		0.05	0.00	0.00	0.05	0.10
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Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

**South Pasadena, City of**

3 WIL	1901682	697.96	443.34	289.87	737.99	2,169.16
4 WIL	1903086	267.46	344.84	325.04	236.03	1,173.37
GRAV2	1901679	60.27	48.34	0.00	0.00	108.61
TOTAL		1,025.69	836.52	614.91	974.02	3,451.14

**Sterling Mutual Water Company**

N. SO.	8000132	17.22	12.48	16.22	3.91	49.83
NORTH	1902096	13.14	9.17	11.84	2.79	36.94
TOTAL		30.36	21.65	28.06	6.70	86.77

**Suburban Water Systems**

121W1	8000181	663.20	597.54	0.02	427.27	1,688.03
139W4	8000069	0.00	0.00	0.00	0.00	0.00
140W5	8000145	392.33	153.01	161.12	409.65	1,116.11
142W2	8000183	1,050.00	1,014.00	1,051.71	1,044.22	4,159.93
147W3	8000077	470.01	210.47	0.00	0.00	680.48
151W2	8000207	1,375.61	1,054.71	1,161.99	1,253.56	4,845.87
201W4	1901433	0.00	0.00	0.00	0.00	0.00
201W7	8000195	966.18	786.32	122.16	943.89	2,818.55
201W8	8000198	450.86	501.88	254.50	953.47	2,160.71
201W9	8000208	1,336.41	926.07	819.34	830.27	3,912.09
201W10	8000210	901.10	625.83	26.69	175.74	1,729.36
LPVCWD	8000176	423.51	611.37	620.73	457.58	2,113.19
VCWD	8000206	584.57	795.45	416.48	1,505.65	3,302.15
TOTAL		8,613.78	7,276.65	4,634.74	8,001.30	28,526.47

**Sunny Slope Water Company**

8	1900026	168.33	100.77	62.53	244.26	575.89
9	1902792	22.70	158.20	108.79	291.31	581.00
13	8000157	460.30	265.71	230.68	67.12	1,023.81
TOTAL		651.33	524.68	402.00	602.69	2,180.70

**Tran, Hieu**

TRAN	8000218	1.25	1.22	1.21	1.31	4.99
TOTAL		1.25	1.22	1.21	1.31	4.99



Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

**United Rock Products Corporation**

IRW-1	1900106	90.51	61.36	50.20	86.94	289.01
IRW-2	1903062	0.01	10.47	0.66	0.00	11.14
TOTAL		90.52	71.83	50.86	86.94	300.15

**Valencia Heights Water Company**

Master	8000199	382.35	341.54	208.19	291.57	1,223.65
CIC	--	-183.71	-147.35	-107.69	-145.01	-583.76
TOTAL		198.64	194.19	100.50	146.56	639.89

**Valley County Water District**

E MAIN	1900027	424.47	398.30	405.18	468.70	1,696.65
E CL O N	1900032	833.94	502.92	0.00	444.57	1,781.43
LANTE	8000060	590.52	795.68	428.12	1,050.25	2,864.57
SA1-1	8000184	0.00	0.00	0.00	474.47	474.47
SA1-2	8000186	0.00	0.00	0.00	0.00	0.00
WMAIN	1900028	250.33	232.35	271.40	299.16	1,053.24
W CL O N	1902356	518.25	495.25	585.33	708.09	2,306.92
SWS	8000206	-584.57	-795.45	-416.48	-1,505.65	-3,302.15
TOTAL		2,032.94	1,629.05	1,273.55	1,939.59	6,875.13

**Valley View Mutual Water Company**

1	1900363	0.00	0.00	0.00	0.00	0.00
2	1900364	173.90	136.01	91.35	125.94	527.20
TOTAL		173.90	136.01	91.35	125.94	527.20

**Vietnamese American Buddhist Temple**

VIET TEM	8000191	0.76	0.97	0.85	0.69	3.27
TOTAL		0.76	0.97	0.85	0.69	3.27

**Vulcan Materials Company**

1 REL	1903088	69.26	49.93	27.88	70.03	217.10
TEMP	--	123.46	112.37	95.26	127.75	458.84
TOTAL		192.72	162.30	123.14	197.78	675.94

Producer's Name and Well Identification Number		2016-17 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

**Whittier, City of**

13	1901749	138.06	0.04	158.24	11.59	307.93
15	8000071	571.26	611.94	124.59	333.09	1,640.88
16	8000110	791.46	90.72	152.46	549.17	1,583.81
17	8000135	1.86	0.00	0.00	0.00	1.86
18	8000136	29.55	0.00	0.00	0.00	29.55
TOTAL		1,532.19	702.70	435.29	893.85	3,564.03

**Workman Mill Investment Company**

1	1900094	0.00	0.00	0.00	0.00	0.00
2	1900095	0.00	0.00	0.00	0.00	0.00
3	1900052	0.00	0.00	0.00	0.00	0.00
4	1902790	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	0.00	0.00	0.00	0.00

<b>Grand Total</b>	<b>59,703.73</b>	<b>46,491.35</b>	<b>35,748.10</b>	<b>55,300.10</b>	<b>197,243.28</b>
<b>Surface Water Diversion Total</b>	<b>4,082.15</b>	<b>2,767.22</b>	<b>2,363.00</b>	<b>3,581.36</b>	<b>12,793.73</b>
<b>Groundwater Extraction Total</b>	<b>55,621.58</b>	<b>43,724.13</b>	<b>33,385.10</b>	<b>51,718.74</b>	<b>184,449.55</b>



**APPENDIX H**

**HISTORY OF ANNUAL TOTAL BASIN  
PRODUCTION RIGHTS**

**AND**

**HISTORY OF ANNUAL PRODUCTION**



## APPENDIX H

### HISTORY OF ANNUAL TOTAL BASIN PRODUCTION RIGHTS AND PRODUCTION (ACRE-FEET)

Fiscal Year	Operating Safe Yield	Production Rights	Recorded Production	Replacement Water Requirement	Lost Carryover	Carryover to Next Year
1972-73	--	--	241,097.74	--	--	--
1973-74	226,800	238,132.94	235,460.40	14,518.98	<b>0.00</b>	17,191.52
1974-75	210,000	237,913.46	225,221.86	8,421.93	203.36	20,908.95
1975-76	200,000	231,391.95	242,246.36	24,744.88	131.06	13,759.41
1976-77	150,000	174,193.45	210,340.40	48,650.71	861.12	9,980.67
1977-78	150,000	170,473.30	195,275.53	36,818.25	<b>1,198.54</b>	8,950.93
1978-79	170,000	189,439.67	214,919.54	34,404.83	78.11	<b>6,745.88</b>
1979-80	220,000	237,226.13	223,088.89	9,896.39	81.54	21,960.87
1980-81	230,000	262,445.19	230,832.31	5,477.08	202.89	35,642.01
1981-82	210,000	255,281.37	220,391.54	10,582.35	380.30	43,261.68
1982-83	200,000	253,049.93	209,949.43	3,293.23	304.02	45,378.26
1983-84	230,000	<b>287,394.98</b>	236,679.19	<b>2,151.85</b>	80.10	<b>51,594.26</b>
1984-85	210,000	272,050.01	242,439.63	12,475.69	344.48	40,395.40
1985-86	190,000	240,319.81	246,223.58	34,774.82	198.50	25,403.49
1986-87	200,000	235,923.93	253,633.02	41,828.86	106.93	22,457.73
1987-88	190,000	222,985.31	248,101.54	51,989.89	143.63	21,710.19
1988-89	180,000	214,810.57	253,694.47	59,384.99	61.61	19,741.33
1989-90	180,000	210,268.35	252,135.76	<b>62,582.49</b>	282.28	17,837.99
1990-91	170,000	199,467.55	232,091.44	41,232.39	387.33	18,796.02
1991-92	<b>140,000</b>	<b>169,575.74</b>	221,476.83	31,214.19	345.83	13,478.79
1992-93	180,000	204,009.40	236,677.04	15,858.66	189.05	31,718.29
1993-94	220,000	262,029.85	243,616.55	8,915.59	462.81	50,290.41
1994-95	200,000	260,802.71	243,479.39	30,194.77	1,065.79	44,262.41
1995-96	220,000	274,608.47	268,950.50	32,526.05	737.28	35,484.68
1996-97	210,000	256,011.19	279,481.35	55,236.24	863.84	28,965.55
1997-98	220,000	263,725.27	253,921.28	26,362.42	704.70	34,016.10
1998-99	230,000	277,402.22	265,151.97	30,499.32	124.28	40,633.83
1999-00	220,000	274,824.14	278,687.14	39,961.99	592.51	33,774.80
2000-01	220,000	267,126.29	270,919.13	38,317.35	570.83	32,015.15
2001-02	210,000	258,992.70	264,328.17	40,773.50	532.59	32,833.12
2002-03	190,000	240,450.90	237,490.86	38,519.29	159.50	38,370.38
2003-04	170,000	224,691.75	252,811.50	51,416.73	79.24	24,864.16
2004-05	170,000	219,049.64	247,187.00	41,043.83	53.76	17,684.36
2005-06	<b>240,000</b>	268,418.02	259,807.52	12,065.12	156.28	27,862.73
2006-07	240,000	278,386.20	<b>284,328.04</b>	20,046.64	90.80	29,374.42
2007-08	210,000	249,433.95	258,167.00	28,777.98	182.17	33,902.42
2008-09	180,000	224,028.56	250,102.62	26,634.48	778.21	28,729.17
2009-10	170,000	210,117.25	237,846.31	35,129.38	236.31	20,695.69
2010-11	170,000	201,220.31	227,657.15	33,084.38	167.70	21,657.47
2011-12	210,000	242,181.86	237,028.57	19,685.04	166.96	44,143.15
2012-13	200,000	254,314.47	242,913.84	5,979.45	268.13	42,864.86
2013-14	180,000	233,389.45	240,552.41	3,779.32	377.39	36,753.33
2014-15	150,000	197,280.18 2/	208,339.16	12,319.13	419.84 2/	35,226.32
2015-16	150,000	195,752.95	<b>182,826.49</b>	6,909.20	284.47	39,299.44
2016-17	150,000	199,994.06	197,243.28	7,526.21	285.56	35,061.57
Average 1/	200,400	246,204	251,517	28,476	356	30,850
10-Year Avg.	177,000	220,771	228,268	17,982	317	33,833

1/ Average based on 44 years from 1973-74 through 2016-17.

2/ Revised Production Rights and Lost Carryover after publication of 2014-15 Annual Report.

Note: The minimum and maximum values are bolded.

## APPENDIX H

### HISTORY OF ANNUAL PRODUCTION (ACRE-FEET)

Producer Name	2012-13	2013-14	2014-15	2015-16	2016-17
Adams Ranch Mutual Water Co.	68.08	71.00	55.59	37.21	--
Alhambra, City of <sup>1/</sup>	8,214.35	8,321.99	7,291.86	6,352.61	6,240.17
Amarillo Mutual Water Co.	400.40	395.22	343.88	336.50	333.23
Arcadia, City of	13,277.64	14,103.55	12,009.68	9,462.97	10,228.70
Azusa, City of	7,810.13	7,752.14	6,831.70	6,125.64	6,663.98
Azusa Valley Water Co.	13,246.19	13,065.21	11,544.54	10,446.46	11,230.97
Banks, Gale & Vicki	31.52	35.31	34.00	26.86	32.47
California-American Water Co. (Duarte)	6,821.36	6,897.17	6,023.18	5,096.54	5,507.09
California-American Water Co. (San Marino)	9,084.98	8,362.14	8,034.66	6,056.89	5,952.35
California Country Club	0.25	0.01	0.00	0.00	0.00
California Domestic Water Co.	19,072.23	19,183.34	18,768.92	16,821.21	17,296.79
Carrier Corporation	3.90 <sup>2/</sup>	32.73	33.71	32.49	19.66
Champion Mutual Water Co.	65.36	85.88	50.35	--	--
Citrus Valley Medical Center, Queen of the Valley Campus	17.50	7.89	0.00	0.00	0.00
Coiner, James W., dba Coiner Nursery	155.41	111.92	121.85	90.75	62.51
County Sanitation District No. 18	15.43	13.11	10.31	11.52	20.40
Covina Irrigating Co.	9,940.69	7,216.77	8,467.87	5,741.21	6,859.06
DeFalco, John & Carole	--	--	--	--	0.00
Del Rio Mutual Water Co.	120.96	127.00	114.00	100.00	105.00
Driftwood Dairy	91.18	40.41	--	--	--
East Pasadena Water Co., Ltd.	1,584.55	1,616.22	1,443.94	1,241.51	1,310.34
El Monte, City of	2,320.24	2,294.19	2,282.17	2,012.34	2,204.28
Gates, James Richard	4.96	2.64	1.16	0.95	0.87
Glendora, City of	12,088.65 <sup>2/</sup>	10,885.42	8,438.78	8,731.80	10,001.79
Golden State Water Company (San Dimas District)	3,806.15	4,073.72	2,795.30	2,426.61	2,486.26
Golden State Water Company (San Gabriel Valley District)	6,295.32	6,335.29	5,748.18	5,092.36	5,232.10
Gould Electronics Inc. and Johnson Controls Inc.	--	--	--	386.79	832.55
Hanson Aggregates West, Inc.	133.82	99.18	123.92	195.41	167.19
Hemlock Mutual Water Co.	98.09	87.95	74.93	67.93	67.19
Hermetic Seal Corporation	--	70.80	50.31	42.30	53.07
Industry Waterworks System, City of	1,352.16	1,564.40	1,386.39	1,243.93	1,235.95



Producer Name	2012-13	2013-14	2014-15	2015-16	2016-17
La Puente Valley County Water District	1,984.67	1,863.22	1,593.99	1,436.68	1,402.37
Los Angeles, County of	3,871.67	4,311.63	3,185.69	3,116.10	4,215.97
MillerCoors LLC	411.43	346.54	401.67	330.58	450.86
Monrovia, City of	7,727.62	7,973.01	6,883.28	6,106.12	6,580.52
Monrovia Nursery	0.00	--	--	--	--
Monterey Park, City of	8,833.51	9,024.76	8,139.54	7,422.41	7,536.12
Munoz, Ralph	--	1.61	1.25	2.69	2.51
Puente Basin Water Agency	--	--	--	--	615.99
Rowland Water District	0.00	76.21	66.45	6.86	58.29
Rurban Homes Mutual Water Co.	231.30	224.19	173.90	141.36	143.98
San Gabriel Country Club	295.82	308.07	257.43	262.72	272.07
San Gabriel County Water District	5,761.04	5,822.24	5,202.82	4,633.76	5,261.75
San Gabriel Valley Water Co.	37,389.57	40,238.32	34,337.66	28,043.66	29,627.89
Sierra La Verne Country Club	26.68	10.29	6.41	4.57	0.00
Sierra Madre, City of	0.00	0.06	0.00	0.00	0.00
S. L. S. & N. Inc.	8.67	11.37	11.18	13.98	25.79
Sonoco Products Co.	173.73	195.29	141.80	88.84	69.42
Southern California Edison Co.	0.00	1.63	0.39	0.62	0.10
South Pasadena, City of	4,350.98	4,461.00	3,709.98	3,302.68	3,451.14
Sterling Mutual Water Co.	144.85	115.87	113.34	100.31	86.77
Suburban Water Systems	37,169.79	34,134.93	24,964.88	24,827.77	28,526.47
Sunny Slope Water Co.	3,438.60	2,642.07	2,237.05	1,999.74	2,180.70
Tran, Hieu	--	4.99	4.99	4.99	4.99
United Rock Products Corp.	224.68	303.05	315.14	397.00	300.15
Valencia Heights Water Co.	947.14	1,064.31	809.00	733.47	639.89
Valley County Water District	8,261.29	8,213.99	7,195.35	6,401.62	6,875.13
Valley View Mutual Water Co.	572.78	691.26	623.97	551.60	527.20
Vietnamese American Buddhist Temple	4.88	5.44	0.82	2.93	3.27
Vulcan Materials Co.	770.15	558.95	574.44	738.62	675.94
Whittier, City of	3,575.11	4,466.35	4,792.36	3,610.47	3,564.03
Workman Mill Investment Co.	616.38	629.16	513.20	363.55	0.00
TOTALS	242,913.84 <sup>2/</sup>	240,552.41	208,339.16	182,826.49	197,243.28

1/ The City of Alhambra's production is computed in accordance with the Cooperative Water Exchange Agreement. See Page I-4.

2/ Adjusted totals due to production adjustment after publication of 2012-13 Annual Report.

3/ Adjusted totals due to production adjustment after publication of 2011-12 Annual Report.



## **APPENDIX I**

### **SUMMARY OF REPLACEMENT WATER REQUIREMENT AND CARRYOVER RIGHTS**

#### **REPLACEMENT WATER REQUIREMENT OF THE CITY OF ALHAMBRA**

#### **ANNUAL SUMMARY OF REPLACEMENT WATER REQUIREMENT**



## APPENDIX I

### SUMMARY OF REPLACEMENT WATER REQUIREMENT AND CARRYOVER RIGHTS FOR FISCAL YEAR 2016-17 (ACRE-FEET)

Producer Name	Carryover To 2016-17	Fiscal Year 2016-17					Carryover To 2017-18
		Production Right	Production	Replacement Water Required	Lost Carry-Over		
Alhambra, City of	335.53	7,023.67	6,240.17 <u>1/</u>	1,017.45 <u>1/</u>	0.00		783.50
Amarillo Mutual Water Co.	165.24	453.35	333.23	0.00	0.00		120.12
Andrade, Susan	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Arcadia, City of	0.00	6,346.49	10,228.70	0.00 <u>3/</u>	0.00		0.00
Azusa, City of	0.00	699.44	6,663.98	5,964.54	0.00		0.00
Azusa Valley Water Co.	524.03	13,178.52	11,230.97	0.00	0.00		1,947.55
Bandel Family Trust	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Bank of America N., A. Trustee of the William J. Knight Living Trust UTD	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Banks, Gale & Vicki	14.77	52.72	32.47	0.00	0.00		20.25
Brea, City of	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Brondino, Jeanne	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Cadway, Inc.	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
California-American Water Co. (Duarte)	0.00	4,553.55	5,507.09	0.00 <u>3/</u>	0.00		0.00
California-American Water Co. (San Marino)	0.00	5,950.06	5,952.35	0.00 <u>3/</u>	0.00		0.00
California Country Club	0.00	0.00	0.00	0.00	0.00		0.00
California Domestic Water Co.	13,853.96	22,766.06	17,296.79	0.00	0.00		5,469.27
Canyon Water Company	300.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Carrier Corporation	0.00	0.00	19.66	19.66	0.00		0.00
Chevron U.S.A.	0.00	1.52 <u>4/</u>	0.00	0.00	1.52		0.00
Citrus Valley Medical Center, Queen of the Valley Campus	0.00	0.00	0.00	0.00	0.00		0.00
Coiner, James W., dba Coiner Nursery	0.00	0.00	62.51	62.51	0.00		0.00
County Sanitation District No. 18	0.00	3.42	20.40	16.98	0.00		0.00
Covina, City of	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Covina Irrigating Co.	5,906.46	13,561.28	6,859.06	0.00	0.00		6,702.22
Crevolin, A. J.	0.00	1.71 <u>4/</u>	0.00	0.00	1.71		0.00
Dawes, Mary Kay	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
DeFalco, John and Carole	1.49	2.98	0.00	0.00	1.49		1.49
Del Rio Mutual Water Co.	24.18	120.22	105.00	0.00	0.00		15.22
East Pasadena Water Co., Ltd.	0.00	1,231.06	1,310.34	79.28	0.00		0.00
Edwin, Lucy. A & Harry III, Trustees of the Harry E. Rosedale Trust	0.00	168.00	0.00	0.00	0.00		168.00
El Monte, City of	339.85	2,453.17	2,204.28	0.00	0.00		248.89
El Monte Cemetery Assn.	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Fox Family Trust, Michael Edward Fox and Crystal Marie Fox, Trustees	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Garnier, A. and A., Family Trust	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Garnier, Ruth Elaine Ailor, Trust	0.00	0.00 <u>2/</u>	0.00	0.00	0.00		0.00
Gates, James Richard	0.00	0.00	0.87 <u>4/</u>	0.00	0.00		0.00
Glendora, City of	0.00	7,358.26	10,001.79	0.00 <u>3/</u>	0.00		0.00
Goedert, Lillian Living Trust	0.00	0.00	0.00	0.00	0.00		0.00
Golden State Water Company (San Dimas District)	997.61	3,477.37	2,486.26	0.00	0.00		991.11
Golden State Water Company (San Gabriel Valley District)	0.00	5,122.27	5,232.10	0.00 <u>3/</u>	0.00		0.00

Producer Name	Carryover To 2016-17	Fiscal Year 2016-17					Carryover To 2017-18
		Production Right	Production	Replacement Water Required	Lost Carry-Over		
Gould Electronics Inc. and Johnson Controls Inc.	0.00	0.00	832.55	0.00 <u>5/</u>	0.00	0.00	
Green, Walter	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Hansen, Alice	0.00	0.57	0.00 <u>4/</u>	0.00	0.57	0.00	
Hanson Aggregates West, Inc.	36.21	202.62	167.19	0.00	0.00	35.43	
Heinrich, Carolyn	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Hemlock Mutual Water Co.	0.00	55.99	67.19	11.20	0.00	0.00	
Hermetic Seal Corporation	0.00	0.00	53.07	0.00 <u>6/</u>	0.00	0.00	
Industry Waterworks System, City of	767.59	1,954.74	1,235.95	0.00	0.00	718.79	
Irwindale, City of	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
JUH#1	0.00	32.00	0.00	0.00	0.00	32.00	
Kirklen, Jeffrey B.	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Landeros, John	0.00	0.57 <u>4/</u>	0.00	0.00	0.57	0.00	
La Puente Valley County Water District	175.56	1,662.80	1,402.37	0.00	0.00	260.43	
Los Angeles, County of	1,010.37	2,644.75	4,215.97 <u>7/</u>	0.00	0.00	537.58	
Loucks, David	0.00	2.28 <u>4/</u>	0.00	0.00	2.28	0.00	
Lovelady, June G.	140.79	281.58	0.00	0.00	140.79	140.79	
Maggiore, Valarie	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Martinez, Frances Mercy	0.00	0.57 <u>4/</u>	0.00	0.00	0.57	0.00	
McIntyre, William	0.00	22.01	0.00	0.00	0.00	22.01	
Metropolitan Water District	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Miller Coors LLC	1,477.38	2,040.09	450.86	0.00	0.00	1,589.23	
Monrovia, City of	33.96	6,174.04	6,580.52	0.00 <u>3/</u>	0.00	0.00	
Monterey Park, City of	0.00	5,088.24	7,536.12	200.92 <u>3/</u>	0.00	0.00	
Munoz, Ralph	0.00	0.00	2.51 <u>4/</u>	0.00	0.00	0.00	
Nicholson Family Trust, The	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Nicholson Trust, The	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Nick Tomovich and Sons	0.00	0.02 <u>4/</u>	0.00	0.00	0.02	0.00	
Pellissier Irrevocable QTIP Trust, et al., Co-tenancy of Laurence R.	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Phillips, Alice B., et al.	0.88	1.76	0.00	0.00	0.88	0.88	
Pico County Water District	0.00	0.57 <u>2/</u>	0.00	0.00	0.57	0.00	
Polopolus, et al.	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Puente Basin Water Agency	0.00	0.00	615.99	0.00 <u>3/</u>	0.00	0.00	
Rados Brothers	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Rosedale, Harry E.	0.00	168.00	0.00	0.00	0.00	168.00	
Rosemead Development, Ltd.	0.00	0.77 <u>4/</u>	0.00	0.00	0.77	0.00	
Rowland Water District	0.00	0.00	58.29	58.29	0.00	0.00	
Rurban Homes Mutual Water Co.	63.87	229.14	143.98	0.00	0.00	85.16	
Ruth, Roy	0.00	0.57 <u>4/</u>	0.00	0.00	0.57	0.00	
San Gabriel Country Club	23.08	240.22	272.07	31.85	0.00	0.00	
San Gabriel County Water District	771.30	5,116.59	5,261.75	0.00 <u>3/</u>	0.00	0.00	
San Gabriel Valley Water Co.	0.00	19,361.73	29,627.89	0.00 <u>3/</u>	0.00	0.00	
Sierra La Verne Country Club	0.00	0.00	0.00	0.00	0.00	0.00	
Sierra Madre, City of	0.00	0.00	0.00	0.00	0.00	0.00	
S.L.S. & N. Inc.	0.00	0.00	25.79	3.87 <u>8/</u>	0.00	0.00	
Sonoco Products Company	13.39	84.88	69.42	0.00	0.00	15.46	
Southern California Edison Co.	130.35	260.70	0.10	0.00	130.25	130.35	
South Pasadena, City of	3,100.72	6,808.52	3,451.14	0.00	0.00	3,357.38	
Southwest Water Company	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00	
Sterling Mutual Water Co.	0.00	91.08	86.77	0.00	0.00	4.31	
Suburban Water Systems	3,179.18	33,396.07	28,526.47	0.00	0.00	4,869.60	
Sunny Slope Water Co.	0.00	1,691.55	2,180.70	0.00 <u>3/</u>	0.00	0.00	

Producer Name	Carryover To 2016-17	Fiscal Year 2016-17				
		Production Right	Production	Replacement Water Required	Lost Carry-Over	Carryover To 2017-18
Tate, Phillip G. & Sieglinde A.	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
Tran, Hieu	0.00	0.00	4.99 <u>4/</u>	0.00	0.00	0.00
Tyler Nursery	0.00	2.43 <u>4/</u>	0.00	0.00	2.43	0.00
United Rock Products Corp.	0.00	348.80	300.15	0.00	0.00	48.65
Valencia Heights Water Co.	68.67	523.95	639.89	0.00 <u>3/</u>	0.00	0.00
Valley County Water District	0.00	5,692.76	6,875.13	0.00 <u>3/</u>	0.00	0.00
Valley View Mutual Water Co.	0.00	467.54	527.20	59.66	0.00	0.00
Vietnamese American Buddhist Temple	0.00	0.00	3.27 <u>4/</u>	0.00	0.00	0.00
Vulcan Materials Co.	183.11	1,002.59	675.94	0.00	0.00	326.65
Whittier, City of	5,474.43	9,712.22	3,564.03	0.00	0.00	6,148.19
Wilmott, Erma	0.00	0.57 <u>4/</u>	0.00	0.00	0.57	0.00
Workman Mill Investment Co.	<u>185.47</u>	<u>103.06</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>103.06</u>
TOTAL:	39,299.43	199,994.06	197,243.28	7,526.21	285.56	35,061.57

1/ Computed in accordance with the Cooperative Water Exchange Agreement. See I-4.

2/ Transferred all production rights.

3/ Includes Producer Cyclic Storage Water.

4/ Minimal producer.

5/ 832.55 AF not subject to assessment.

6/ 53.07 AF not subject to assessment.

7/ 2,108.80 AF not subject to assessment.

8/ Overlying Right. Replacement Water is 15 percent of total production.



**REPLACEMENT WATER REQUIREMENT  
OF THE CITY OF ALHAMBRA, FISCAL YEAR 2016-17  
IN ACCORDANCE WITH PARAGRAPH 19 OF THE  
COOPERATIVE WATER EXCHANGE AGREEMENT  
MAIN SAN GABRIEL BASIN  
DATED MARCH 24, 1975**

	<b><u>(Acre-feet)</u></b>
Total Quantity of Groundwater Produced	6,240.17
Total Quantity of Water Delivered Through USG-5	<u>2,876.90</u>
Total Annual Production	9,117.07
Less: 37.4% of Quantity Through USG-5	1,075.95
Less: Share of Operating Safe Yield	7,023.67
Less: Cyclic Storage Balance	<u>0.00</u>
Replacement Water Requirement for Fiscal Year 2016-17	1,017.45
Carryover Rights to Fiscal Year 2017-18	783.50

## APPENDIX I

### SUMMARY OF ANNUAL REPLACEMENT WATER REQUIREMENT (ACRE-FEET)

Fiscal Year	Replacement Water Requirement				Producer Cyclic Storage	Total Basin Over Production
	Upper San Gabriel Valley Municipal Water District	San Gabriel Valley Municipal Water District	Three Valleys Municipal Water District	Total		
1973-74	13,731.88	787.10	--	14,518.98	<b>0.00</b>	14,518.98
1974-75	7,119.03	1,302.90	--	8,421.93	0.00	8,421.93
1975-76	20,929.93	3,814.95	--	24,744.88	0.00	24,744.88
1976-77	39,730.07	6,758.08	--	46,488.15	0.00	46,488.15
1977-78	32,836.68	4,112.25	--	36,948.93	0.00	36,948.93
1978-79	31,662.69	2,803.98	--	34,466.67	0.00	34,466.67
1979-80	9,730.00	190.24	--	9,920.24	0.00	9,920.24
1980-81	9,345.96	81.84	--	9,427.80	0.00	9,427.80
1981-82	10,187.66	<b>0.00</b>	--	10,187.66	0.00	10,187.66
1982-83	3,444.55	3,088.68	--	6,533.23	0.00	6,533.23
1983-84	<b>1,907.10</b>	244.75	--	<b>2,151.85</b>	1,573.60	<b>3,725.45</b>
1984-85	4,343.64	8,370.53	--	12,714.17	0.00	12,714.17
1985-86	28,426.92	4,368.59	--	32,795.51	0.00	32,795.51
1986-87	34,297.28	8,018.48	--	42,315.76	0.00	42,315.76
1987-88	42,806.89	9,164.29	--	51,971.18	0.00	51,971.18
1988-89	<b>48,908.58</b>	11,296.63	--	60,205.21	0.00	60,205.21
1989-90	48,120.86	12,783.96	--	<b>60,904.82</b>	0.00	60,904.82
1990-91	30,815.02	10,475.38	<b>0.00</b>	41,290.40	13,112.70	54,403.10
1991-92	19,766.29	11,418.17	0.00	31,184.46	35,916.90	<b>67,101.36</b>
1992-93	7,560.26	8,250.46	0.00	15,810.72	<b>50,031.39</b>	65,842.11
1993-94	3,224.10	5,691.49	0.00	8,915.59	25,422.42	34,338.01
1994-95	18,648.68	11,338.42	0.00	29,987.10	0.00	29,987.10
1995-96	20,853.94	11,672.11	0.00	32,526.05	0.00	32,526.05
1996-97	38,870.11	14,061.60	2,304.53	55,236.24	0.00	55,236.24
1997-98	17,274.86	6,158.61	3,476.70	26,910.17	4,331.64	31,241.81
1998-99	16,959.69	9,286.01	4,253.62	30,499.32	2,859.66	33,358.98
1999-00	20,676.29	13,702.07	<b>5,583.63</b>	39,961.99	3,663.84	43,625.83
2000-01	22,444.18	10,929.17	4,944.00	38,317.35	2,825.02	41,142.37
2001-02	33,611.04	3,938.39	3,224.07	40,773.50	6,450.10	47,223.60
2002-03	36,359.28	672.60	1,487.41	38,519.29	5,948.75	44,468.04
2003-04	48,106.03	500.66	3,428.99	52,035.68	8,870.23	60,905.91
2004-05	40,701.25	0.00	342.58	41,043.83	18,736.93	59,780.76
2005-06	10,510.21	573.59	981.32	12,065.12	6,908.92	18,974.04
2006-07	18,974.53	0.00	1,072.11	20,046.64	7,309.89	27,356.53
2007-08	25,010.62	880.49	2,886.87	28,777.98	9,157.53	37,935.51
2008-09	24,554.11	1,886.58	32.55	26,473.24	30,239.02	56,712.26
2009-10	20,364.85	14,655.86	108.67	35,129.38	14,899.25	50,028.63
2010-11	6,257.20	<b>24,636.20</b>	2,190.98	33,084.38	15,382.66	48,467.04
2011-12	2,999.40	16,269.22	63.30	19,331.92	20,704.45	40,036.37
2012-13	3,000.00	2,734.03	361.96	6,095.99	23,673.25	29,769.24
2013-14	2,983.90	802.72	0.00	3,786.62	36,325.98	40,112.60
2014-15	2,711.70	9,607.43	0.00	12,319.13	33,508.84	45,827.97
2015-16	2,486.50	4,422.70	0.00	6,909.20	19,510.99	26,420.19
2016-17	2,876.47	4,649.74	0.00	7,526.21	24,009.59	31,535.80
<b>TOTALS</b>	<b>886,130.23</b>	<b>276,400.95</b>	<b>36,743.29</b>	<b>1,199,274.47</b>	<b>421,373.55</b>	<b>1,620,648.02</b>
<b>44-YEAR AVERAGE</b>	<b>20,139.32</b>	<b>6,281.84</b>	<b>1,360.86</b>	<b>27,256.24</b>	<b>9,576.67</b>	<b>36,832.91</b>
<b>15-YEAR AVERAGE</b>	<b>16,526.40</b>	<b>5,486.12</b>	<b>863.78</b>	<b>22,876.31</b>	<b>18,345.75</b>	<b>41,222.06</b>
<b>10-YEAR AVERAGE</b>	<b>9,324.48</b>	<b>8,054.50</b>	<b>564.43</b>	<b>17,943.41</b>	<b>22,741.16</b>	<b>40,684.56</b>

Note: The minimum and maximum values are bolded.



**APPENDIX J**

**INTERVENTIONS AFTER JUDGMENT**



**APPENDIX J**

**INTERVENTIONS AFTER JUDGMENT  
DURING FISCAL YEAR 2016-17**

<b>INTERVENOR</b>	<b>TYPE OF TRANSACTION</b>	<b>EFFECTIVE DATE OF ORDER OF INTERVENTION</b>
Arcadia Reclamation, Inc.	Intervention for the production of groundwater.	June 30, 2017
Roana B. Burgess and Teresa L. Burgess as Trustees of the Burgess Family Trust, U/D/T dated August 5, 2015	Member of Co-tenancy of Laurence R. Pellissier Irrevocable QTIP Trust, et al	September 8, 2016
Bud R. Burgess and Linda A. Burgess Family Trust, dated July 31, 1997	Member of Co-tenancy of Laurence R. Pellissier Irrevocable QTIP Trust, et al	September 8, 2016
Anita Lopez Family Trust U/D/T dated November 27, 2014	Member of Co-tenancy of Laurence R. Pellissier Irrevocable QTIP Trust, et al	September 8, 2016
Progressive Buddhist Association	Intervention for the production of groundwater.	August 12, 2016
Lucy A. Rosedale & Harry Edwin Rosedale III, Trustees of the Harry E. Rosedale Trust dated May 24, 1985	Intervention in the permanent transfer of water rights.	August 12, 2016



**APPENDIX K**

**TRANSFERS OF ADJUDICATED RIGHTS**





**APPENDIX K**

**TRANSFERS OF ADJUDICATED RIGHTS  
2016-17**

Transferor	Transaction					Transferee
	Date	Date of lease expir.	Amount			
			Prescrip. pumping right (acre-feet)	Pumper's share (percent)	Production right (acre-feet)	

**TEMPORARY TRANSFERS**

El Monte Cemetery Association	06/22/11	06/30/20	18.50	0.00936	14.04	California American Water Company - Duarte
Jeffery Kirklen	09/12/13	06/30/28	145.84	0.07379	110.69	California Domestic Water Company
Anton and Anita Garnier Family Trust	03/11/15	06/30/19	214.30	0.10843	162.65	East Pasadena Water Company
The Maggiore Family Trust <sup>1/</sup>	07/07/15	06/30/25	145.83	0.07379	110.69	Golden State Water Company - San Gabriel
Fox Family Trust, Michael Edward and Crystal Marie Fox, Trustees	07/07/15	06/30/20	145.83	0.07378	110.67	California Domestic Water Company
Hemlock Mutual Water Company	08/05/15	06/30/17	--	--	70.00	Valley County Water District
City of Covina	04/28/16	06/30/17	--	--	359.69	Covina Irrigating Company
Mary Kay Dawes (Partridge)	06/22/16	06/30/17	--	--	335.39	La Puente Valley County Water District
Co-Tenancy of Laurence R. Pellissier Irrevocable QTIP Trust, et al	08/29/16	06/30/17	--	--	2,462.88	California Domestic Water Company
Covina Irrigating Company	09/06/16	06/30/17	--	--	1,200.30	Suburban Water Systems
Rados Brothers	09/16/16	06/30/17	--	--	32.64	San Gabriel Valley Water Company
Co-Tenancy of Laurence R. Pellissier Irrevocable QTIP Trust, et al	09/16/16	06/30/17	--	--	2,462.88	Covina Irrigating Company
Cadway Inc.	10/14/16	06/30/17	--	--	488.18	California Domestic Water Company
Susan Andrade	11/02/16	06/30/17	--	--	6.35	San Gabriel Valley Water Company
Vulcan Materials Company	11/02/16	06/30/17	--	--	430.00	San Gabriel Valley Water Company
Vulcan Materials Company	11/16/16	06/30/17	--	--	111.62	City of Azusa
Jeanne Brondino	11/16/16	06/30/17	--	--	19.04	San Gabriel Valley Water Company

**APPENDIX K**

**TRANSFERS OF ADJUDICATED RIGHTS  
2016-17**

Transferor	Transaction					Transferee
	Date	Date of lease expir.	Amount			
			Prescrip. pumping right (acre-feet)	Pumper's share (percent)	Production right (acre-feet)	
The Nicholson Family Trust	12/05/16	06/30/17	--	--	5.31	San Gabriel Valley Water Company
The Nicholson Trust	12/05/16	06/30/17	--	--	18.23	San Gabriel Valley Water Company
California Domestic Water Company	01/16/17	06/30/17	--	--	7,000.00	Suburban Water Systems
Southwest Water Company	01/10/17	06/30/17	--	--	89.94	Suburban Water Systems
Polopolus, et al	01/19/17	06/30/17	--	--	17.07	San Gabriel Valley Water Company
City of Brea	01/25/17	06/30/17	1,502.72	0.76035	1,140.53	California Domestic Water Company
Valencia Heights Water Company	01/25/17	06/30/17	--	--	350.00	Covina Irrigating Company
Ruth Elaine Ailor Garnier Trust	01/31/17	06/30/17	--	--	31.65	Suburban Water Systems
William J. Knight Living Trust	02/02/17	06/30/17	--	--	172.95	California Domestic Water Company
Covina Irrigating Company	02/27/17	06/30/17	--	--	841.00	Suburban Water Systems
Covina Irrigating Company	02/27/17	06/30/17	--	--	368.00	Suburban Water Systems
Phillip G. & Sieglinde A. Tate, Trustees of the Tate Family Trust	02/27/17	06/30/17	--	--	43.89	La Puente Valley County Water District
Carolyn Heinrich	03/03/17	06/30/17	--	--	19.04	San Gabriel Valley Water Company
City of Whittier	03/07/17	06/30/17	--	--	250.00	San Gabriel County Water District
City of Whittier	03/07/17	06/30/17	--	--	350.00	City of Industry Waterworks System
City of Whittier	03/07/17	06/30/17	--	--	600.00	Valley County Water District
Walter Green	03/27/17	06/30/17	--	--	54.42	California Domestic Water Company
Amarillo Mutual Water Company	04/20/17	06/30/17	--	--	250.00	San Gabriel Valley Water Company
Covina Irrigating Company	04/25/17	06/30/17	--	--	141.00	Suburban Water Systems
County of Los Angeles	05/03/17	06/30/17	--	--	1,500.00	San Gabriel Valley Water Company

# APPENDIX K

## TRANSFERS OF ADJUDICATED RIGHTS 2016-17

<u>Transferor</u>	Transaction					<u>Transferee</u>
	<u>Date</u>	<u>Date of lease expir.</u>	<u>Amount</u>			
			<u>Prescrip. pumping right (acre-feet)</u>	<u>Pumper's share (percent)</u>	<u>Production right (acre-feet)</u>	
City of Whittier	05/08/17	06/30/17	--	--	640.00	Suburban Water Systems
The Bandel Family Trust	05/12/17	06/30/17	--	--	12.68	Suburban Water Systems
City of Irwindale	05/17/17	06/30/17	--	--	285.38	California Domestic Water Company
Covina Irrigating Company	05/18/17	06/30/17	--	--	250.00	Suburban Water Systems
Workman Mill Investment Company	05/18/17	06/30/17	--	--	1,400.00	San Gabriel Valley Water Company
City of Whittier	05/30/17	06/30/17	--	--	200.00	Suburban Water Systems
Azusa Valley Water Company	05/30/17	06/30/17	--	--	400.00	City of Monrovia
Azusa Valley Water Company	05/30/17	06/30/17	--	--	1,000.00	City of South Pasadena
Azusa Valley Water Company	05/30/17	06/30/17	--	--	500.00	Valley County Water District
Azusa Valley Water Company	05/30/17	06/30/17	--	--	250.00	La Puente Valley County Water District
Metropolitan Water District of Southern California	06/05/17	06/30/17	--	--	134.83	2/ San Gabriel Valley Water Company
Del Rio Mutual Water Company	06/15/17	06/30/17	--	--	55.00	San Gabriel Valley Water Company
Sonoco Products Company	06/19/17	06/30/17	--	--	165.00	California Domestic Water Company
Hanson Aggregates West, Inc.	06/19/17	06/30/17	--	--	1,590.00	California Domestic Water Company
Golden State Water Company - San Dimas	06/20/17	06/30/17	--	--	630.00	Golden State Water Company - San Gabriel
Canyon Water Company	06/20/17	06/30/17	--	--	300.77	3/ Covina Irrigating Company
Covina Irrigating Company	06/22/17	06/30/17	--	--	574.00	Suburban Water Systems
California American Water - San Marino	07/11/17	06/30/17	--	--	98.00	California American Water - Duarte
MillerCoors LLC	08/24/17	06/30/17	--	--	1,238.00	Azusa Valley Water Company

Notes:

1/ Valarie D. Maggiore sold all its water rights to The Maggiore Family Trust. However, the long-term lease between Valarie D. Maggiore and Golden State Water Company - San Gabriel District will continue between The Maggiore Family Trust and Golden State Water Company - San Gabriel District until June 30, 2025.

2/ Includes 9.59 AF of Diversion Component

3/ Includes 300.00 AF of Carryover Rights



## **APPENDIX L**

**BASE ANNUAL DIVERSION RIGHTS  
OF CERTAIN DIVERTERS**

**RIGHTS AND PUMPER'S SHARE  
OF EACH PUMPER**

**PRODUCTION RIGHT OF EACH  
INTEGRATED PRODUCER**

**CONSUMPTIVE USE  
PORTIONS OF PRODUCERS WITH  
OVERLYING RIGHTS**



## APPENDIX L

### EXHIBIT "C" OF JUDGMENT

TABLE SHOWING BASE  
ANNUAL DIVERSION RIGHTS  
OF CERTAIN DIVERTERS  
AS OF JUNE 30, 2017

DIVERTER	BASE ANNUAL DIVERSION RIGHT (ACRE-FEET)
<b>Aqua Capital Management LP<sup>1</sup></b>	
(Successor to Covell, Ralph) <sup>2</sup>	2.12
(Transferred to California Domestic Water Company) <sup>2</sup>	<u>-2.12</u>
	<b>0.00</b>
<b>California Domestic Water Company</b>	
(Successor to Aqua Capital Management LP) <sup>2</sup>	2.12
(Transferred to Covina Irrigating Company) <sup>2</sup>	<u>-2.12</u>
	<b>0.00</b>
<b>Covell, Ralph</b>	2.12
(Successor to Rittenhouse, Catherine and Rittenhouse, James) <sup>3</sup>	
(Transferred to Aqua Capital Management LP) <sup>2</sup>	<u>-2.12</u>
	<b>0.00</b>
<b>Maddock, A. G.</b>	3.40
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-3.40</u>
	<b>0.00</b>
<b>Rittenhouse, Catherine</b>	<b>0.00</b>
(Transferred to Covell, Ralph) <sup>3</sup>	
<b>Rittenhouse, James</b>	<b>0.00</b>
(Transferred to Covell, Ralph) <sup>3</sup>	



DIVERTER	BASE ANNUAL DIVERSION RIGHT (ACRE-FEET)
<b>Ruebhausen, Arline</b>	18.34
(Held in common with Ruebhausen, Victor)	
(Transferred to City of Glendora) <sup>2</sup>	<u>-18.34</u>
	<b>0.00</b>
<b>Ruebhausen, Victor</b>	--
(See Reubhausen, Arline)	
<b>San Gabriel Valley Water Company</b>	
(Successor to Maddock, A.G.) <sup>2</sup>	<b>3.40</b>
<b>TOTAL</b>	<b><u>3.40</u></b>

# APPENDIX L

## EXHIBIT "D" OF JUDGMENT

TABLE SHOWING RIGHTS  
AND PUMPER'S SHARE OF EACH PUMPER  
AS OF JUNE 30, 2017

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>6W Farms, Inc.</b>	1,217.40	0.61599
(Formerly Woodland Farms, Inc.)		
(Transferred to:		
Miller Brewing Company	-919.50	-0.46526
Richard J. Woodland) <sup>2</sup>	<u>-297.90</u>	<u>-0.15073</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Adams Ranch Mutual Water Company</b>	100.00	0.05060
(Transferred to California American Water Co. - San Marino	<u>-100.00</u>	<u>-0.05060</u>
System) <sup>2</sup>	<b>0.00</b>	<b>0.00000</b>
<b>A &amp; E Plastik Pak Co., Inc.</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to Industry Properties, Ltd.) <sup>3</sup>		
<b>Alhambra, City of</b>	<b>8,812.05</b>	<b>4.45876</b>
<b>Amarillo Mutual Water Company</b>	<b>709.00</b>	<b>0.35874</b>
<b>American Sheds, Inc.</b> <sup>1</sup>		
(Successor to Southwestern Portland	742.00	0.37544
Cement Company) <sup>2</sup>		
(Transferred to USA Waste of California, Inc.) <sup>2</sup>	<u>-742.00</u>	<u>-0.37544</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Anchor Plating Co., Inc.</b> <sup>1</sup>		
(Successor to Bodger & Sons, DBA Bodger Seeds Ltd.) <sup>2</sup>	10.00	0.00506
(Transferred to Crown City Plating Co.) <sup>2</sup>	<u>-10.00</u>	<u>-0.00506</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Anderson Family Marital Trust</b> <sup>1</sup>		
(Successor to Anderson, Ray L. and Helen T.) <sup>2</sup>	50.16	0.02538
(Transferred to:		
Brondino, Jeanne	-25.08	-0.01269
Heinrich, Carolyn) <sup>2</sup>	<u>-25.08</u>	<u>-0.01269</u>
	<b>0.00</b>	<b>0.00000</b>

PUMPER	PREScriptive PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Anderson, Ray<sup>1</sup></b>		
(Successor to Covina Valley Unified School District) <sup>2</sup>	50.16	0.02538
(Transferred to Anderson, Ray L. and Helen T.) <sup>2</sup>	<u>-50.16</u>	<u>-0.02538</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Anderson, Ray L. and Helen T.<sup>1</sup></b>		
(Successor to Anderson, Ray) <sup>2</sup>	50.16	0.02538
(Transferred to Anderson Family Marital Trust) <sup>2</sup>	<u>-50.16</u>	<u>-0.02538</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Andrade, Macario and Consuelo; and Andrade, Robert and Jayne<sup>1</sup></b>		
(Successor to J. F. Isbell Estate, Inc.) <sup>2</sup>	8.36	0.00423
(Transferred to Susan Andrade) <sup>2</sup>	<u>-8.36</u>	<u>-0.00423</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Andrade, Susan<sup>1</sup></b>		
(Successor to Andrade, Macario and Consuelo; and Andrade, Robert and Jayne) <sup>2</sup>	<u>8.36</u>	<u>0.00423</u>
	<b>8.36</b>	<b>0.00423</b>
<b>Aqua Capital Management LP<sup>1</sup></b>		
(Successor to:		
Covell et al.	16.19	0.00820
Azusa Associates, LLC	18.51	0.00937
USA Waste of California, Inc.	742.00	0.37544
Richard Woodland) <sup>2</sup>	297.90	0.15073
(Transferred to:		
California Domestic Water Company) <sup>2</sup>	<u>-1074.60</u>	<u>-0.54374</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Arcadia, City of</b>	9,252.00	4.68137
(Successor to First National Finance Corporation) <sup>2</sup>	60.90	0.03081
(Transferred to City of Monrovia) <sup>2</sup>	<u>-951.00</u>	<u>-0.48119</u>
	<b>8,361.90</b>	<b>4.23099</b>
<b>Arcadia Reclamation, Inc.<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Associated Southern Investment Company</b>	16.50	0.00335
(Transferred to Southern California Edison Company) <sup>2</sup>	<u>-16.50</u>	<u>-0.00335</u>
	<b>0.00</b>	<b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>AZ-Two, Inc.</b> <sup>1</sup> (See Southdown, Inc.)	--	--
<b>Azusa Associates, LLC</b> <sup>1</sup> (Successor to Snyder, Esther) <sup>2</sup> (Transferred to Aqua Capital Management LP) <sup>2</sup>	18.51 <u>-18.51</u> <b>0.00</b>	0.00937 <u>-0.00937</u> <b>0.00000</b>
<b>Azusa-Western Inc.</b> (Transferred to Southwestern Portland Cement Co.) <sup>2</sup>	742.00 <u>-742.00</u> <b>0.00</b>	0.37544 <u>-0.37544</u> <b>0.00000</b>
<b>Bahnsen &amp; Beckman Ind., Inc.</b> (Transferred to Woodland, Richard) <sup>2</sup>	840.50 <u>-840.50</u> <b>0.00</b>	0.42528 <u>-0.42528</u> <b>0.00000</b>
<b>Bahnsen, Betty M.</b> (Transferred to Dawes, Mary Kay) <sup>2</sup>	441.90 <u>-441.90</u> <b>0.00</b>	0.22359 <u>-0.22359</u> <b>0.00000</b>
<b>Baldwin Park County Water District</b> (See Valley County Water District)	--	--
<b>Bandel Family Trust</b> <sup>1</sup> (Successor to Garnier, Camille A, Deceased, Estate of) <sup>2</sup>	<u>16.70</u> <b>16.70</b>	<u>0.00845</u> <b>0.00845</b>
<b>Banks, Gale C. and Vicki Lynn</b> <sup>1</sup> (Successor to Doyle, Mr. and Mrs.; and Madruga, Mr. and Mrs.) <sup>2</sup>	<u>50.00</u> <b>50.00</b>	<u>0.02530</u> <b>0.02530</b>
<b>Base Line Water Company</b> (Transferred to Hughes Development Corporation) <sup>2</sup>	430.20 <u>-430.20</u> <b>0.00</b>	0.21767 <u>-0.21767</u> <b>0.00000</b>
<b>Beverly Acres Mutual Water Company</b> (See Beverly Acres Mutual Water Users Association)	--	--

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Beverly Acres Mutual Water Users Association</b> (Formerly Beverly Acres Mutual Water Company) (Transferred to: San Gabriel Valley Water Company; Nicholson Trust) <sup>2</sup>	93.00  -50.00 <u>-43.00</u> <b>0.00</b>	0.04706  -0.02530 <u>-0.02176</u> <b>0.00000</b>
<b>Birenbaum, Max</b> (Held in common with Birenbaum, Sylvia; Schneiderman, Alan; Schneiderman, Lydia; Wigodsky, Bernard; Wigodsky, Estera) (Transferred to City of Whittier) <sup>2</sup>	6.00  -6.00 <b>0.00</b>	0.00304  -0.00304 <b>0.00000</b>
<b>Birenbaum, Sylvia</b> (See Birenbaum, Max)	--	--
<b>Blue Diamond Concrete Materials Div., The Flintkote Company</b> (Transferred to Sully-Miller Contracting Co.) <sup>2</sup>	1,399.33  -1,399.33 <b>0.00</b>	0.70804  -0.70804 <b>0.00000</b>
<b>Bodger &amp; Sons DBA Bodger Seeds Ltd.</b> (Transferred to Anchor Plating Co., Inc.) <sup>2</sup>	10.00  -10.00 <b>0.00</b>	0.00506  -0.00506 <b>0.00000</b>
<b>Botello Water Company</b>	<b>0.00</b>	<b>0.00000</b>
<b>Brezina, Raymond W. and Susan W. Trust 2001<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Brea, City of<sup>1</sup></b> (Successor to: California Domestic Water Company California Domestic Water Company) <sup>2</sup>	428.12  <u>1,074.60</u> <b>1,502.72</b>	0.21662  <u>0.54373</u> <b>0.76035</b>
<b>Brondino, Jeanne<sup>1</sup></b> (Successor to Anderson Family Marital Trust) <sup>2</sup>	<u>25.08</u> <b>25.08</b>	<u>0.01269</u> <b>0.01269</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Burbank Development Company</b>	50.85	0.02563
(Transferred to Wright, Darrell A., Wright, Merle M. & Carlson, Jeanne W.) <sup>2</sup>	<u>-50.85</u>	<u>-0.02563</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Cadway, Inc.<sup>1</sup></b>		
(Successor to:		
Corcoran, Jack S. and R. L.	100.00	0.05060
Corcoran, Jack S. and R. L.	100.00	0.05060
Corcoran, Jack S. and R. L.	273.50	0.13839
Corcoran, Jack S. and R. L.	30.00	0.01518
Garnier, Janus	203.00	0.10272
Sloan Ranches	129.60	0.06558
Corcoran, Jack S. and R.L.) <sup>2</sup>	243.50	0.12320
(Transferred to:		
California Domestic Water Company	-243.50	-0.12321
California Domestic Water Company	-129.60	-0.06558
California Domestic Water Company) <sup>2</sup>	<u>-63.30</u>	<u>-0.03203</u>
	<b>643.20</b>	<b>0.32545</b>
<b>Cal Fin</b>	118.10	0.05976
(Transferred to Suburban Water Systems) <sup>2</sup>	<u>-118.10</u>	<u>-0.05976</u>
	<b>0.00</b>	<b>0.00000</b>
<b>California-American Water Company</b>	7,868.70	3.98144
(San Marino System)		
(Successor to Adams Ranch Mutual Water Company) <sup>2</sup>	<u>100.00</u>	<u>0.05060</u>
	<b>7,968.70</b>	<b>4.03204</b>
<b>California Country Club<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
(Formerly CCC Management)		
<b>California Domestic Water Company</b>	11,024.82	5.57839
(Successor to:		
Cantrill Mutual Water Company <sup>3</sup>	42.50	0.02150
Industry Properties, Ltd. <sup>2</sup>	73.50	0.03719
Modern Accent Corporation <sup>2</sup>	256.86	0.12997
Fisher, Russell <sup>2</sup>	19.00	0.00961
Graveline, George Wayne and Alexis June, Trust <sup>2</sup>	216.60	0.10959
Cadway, Inc. <sup>2</sup>	243.50	0.12321
Cadway, Inc. <sup>2</sup>	129.60	0.06558

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
Cadway, Inc. <sup>2</sup>	63.30	0.03203
United Rock Products Corporation <sup>2</sup>	450.00	0.22769
Aqua Capital Management LP <sup>2</sup>	1,074.60	0.54374
Covina Irrigating Company <sup>2</sup> )	203.12	0.10278
(Transferred to:		
Brea, City of <sup>2</sup>	-428.12	-0.21662
Brea, City of <sup>2</sup> )	<u>-1,074.60</u>	<u>-0.54373</u>
	<b>12,294.68</b>	<b>6.22093</b>
<b>California Materials Company</b>	<b>0.00</b>	<b>0.00000</b>
<b>CalMat</b>	--	--
(Formerly Conrock Company)		
(See Vulcan Materials Company)		
<b>Cantrill Mutual Water Company</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to California Domestic Water Company) <sup>3</sup>		
<b>Canyon Water Company<sup>1</sup></b>		
(Successor to McIntyre, William) <sup>2</sup>	<u>1.00</u>	<u>0.00051</u>
	<b>1.00</b>	<b>0.00051</b>
<b>Canyon Water &amp; Development Corporation<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>CCC Management<sup>1</sup></b>	--	--
(See California Country Club)		
<b>Cedar Avenue Mutual Water Company</b>	121.10	0.06127
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-121.10</u>	<u>-0.06127</u>
	<b>0.00</b>	<b>0.00000</b>
<b>CEMEX California Aggregates, Inc.<sup>1</sup></b>	--	--
(Formerly Southdown)		
<b>Champion Mutual Water Company</b>	147.68	0.07472
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-147.68</u>	<u>-0.07472</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Chevron U.S.A.</b>	<b>2.00</b>	<b>0.00101</b>
(Formerly Standard Oil of California)		

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Chronis, Christine</b> <sup>1</sup> (See Polopolus, et al.)	--	--
<b>Clayton Manufacturing Company</b> (Transferred to City of Glendora) <sup>2</sup>	511.80 <u>-511.80</u> <b>0.00</b>	0.25896 <u>-0.25896</u> <b>0.00000</b>
<b>Coiner, James W., dba Coiner Nursery</b> <sup>1</sup>	--	--
<b>Collison, E. O.</b>	<b>0.00</b>	<b>0.00000</b>
<b>Comby, Erma M.</b> (See Wilmott, Erma M.)	--	--
<b>Conrock Company</b> (See CalMat) (Formerly Consolidated Rock Products Co.)	--	--
<b>Consolidated Rock Products Co.</b> (See Conrock Company)	--	--
<b>Corcoran, Jack S.</b> (Held in common with Corcoran, R. L.) (Transferred to: Cadway, Inc. Cadway, Inc. Cadway, Inc. Cadway, Inc. Cadway, Inc.) <sup>2</sup>	747.00  -100.00 -100.00 -273.50 -30.00 <u>-243.50</u> <b>0.00</b>	0.37797  -0.05060 -0.05060 -0.13839 -0.01518 <u>-0.12320</u> <b>0.00000</b>
<b>Corcoran, R. L.</b> (See Corcoran, Jack S.)	--	--
<b>County Sanitation District No. 18 of Los Angeles County</b>	<b>4.50</b>	<b>0.00228</b>
<b>Covell, et al.</b> (Successor to Rittenhouse, Catherine and Rittenhouse, James) <sup>3</sup> (Held in common with Tate, Phillip G. and Sieglinde A.; Goedert, Lillian E.;	111.05	0.05619



<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
Goedert, Marion W.; Lakin, Kendall R.; Lakin, Kelly R.; Snyder, Harry; Snyder, Esther) (Transferred to: Lakin, Kelly R. Goedert, Lillian E. Tate, Phillip G. and Sieglinde A. Snyder, Esther Aqua Capital Management LP) <sup>2</sup>	-9.26 -9.26 -57.83 -18.51 <u>-16.19</u> <b>0.00</b>	-0.00468 -0.00468 -0.02926 -0.00937 <u>-0.00820</u> <b>0.00000</b>
<b>Covina, City of</b> (Transferred to: Covina Irrigating Company Covina Irrigating Company) <sup>2</sup>	2,507.89 -1,734.00 <u>-300.00</u> <b>473.89</b>	1.26895 -0.87737 <u>-0.15179</u> <b>0.23979</b>
<b>Covina-Valley Unified School District</b> (Transferred to Anderson, Ray) <sup>2</sup>	50.16 <u>-50.16</u> <b>0.00</b>	0.02538 <u>-0.02538</u> <b>0.00000</b>
<b>Crevolin, A. J.</b>	<b>2.25</b>	<b>0.00114</b>
<b>Crocker National Bank, Executor of the Estate of A. V. Handorf</b> (Transferred to Modern Accent Corp.) <sup>3</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Cross Water Company</b> (Transferred to Industry Waterworks System, City of) <sup>2</sup>	1,103.00 <u>-1,103.00</u> <b>0.00</b>	0.05581 <u>-0.05581</u> <b>0.00000</b>
<b>Crown City Plating Company</b> (Successor to Anchor Plating Co., Inc.) <sup>2</sup> (Transferred to Valencia Heights Water Company) <sup>2</sup>	190.00 10.00 <u>-200.00</u> <b>0.00</b>	0.09614 0.00506 <u>-0.10120</u> <b>0.00000</b>
<b>Davidson Optronics, Inc.</b> (Transferred to Covina Irrigating Company) <sup>2</sup>	22.00 <u>-22.00</u> <b>0.00</b>	0.01113 <u>-0.01113</u> <b>0.00000</b>
<b>Dawes, Mary Kay</b> <sup>1</sup> (Successor to Bahnsen, Betty M.) <sup>2</sup>	<b>441.90</b>	<b>0.22359</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Del Rio Mutual Water Company</b>	<b>199.00</b>	<b>0.10069</b>
<b>Denton, Kathryn W., Trustee for San Jose Ranch Company</b>	185.50	0.09386
(Transferred to White, June G., Trustee of the June G. White share of the Garnier Trust) <sup>2</sup>	<u>-185.50</u>	<u>-0.09386</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Doyle, Mr. and Mrs.; and Madruga, Mr. and Mrs.<sup>1</sup></b>		
(Successor to Sawpit Farms, Limited) <sup>2</sup>	50.00	0.02530
(Transferred to Banks, Gale C. and Vicki Lynn) <sup>2</sup>	<u>-50.00</u>	<u>-0.02530</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Driftwood Dairy</b>	163.80	0.08288
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-163.80</u>	<u>-0.08288</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Duhalde, L.</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to El Monte Union High School District) <sup>3</sup>		
<b>Dunning, George</b>		
(Held in common with Dunning, Vera H.)		
(Successor to Vera H. Dunning) <sup>2</sup>	324.00	0.16394
(Transferred to Dunning Trust, George A. V.) <sup>2</sup>	<u>-324.00</u>	<u>-0.16394</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Dunning Trust, George A. V.<sup>1</sup></b>		
(Successor to Dunning, George) <sup>2</sup>	324.00	0.16394
(Transferred to Loyola Marymount University) <sup>2</sup>	<u>-324.00</u>	<u>-0.16394</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Dunning, Vera H.</b>	324.00	0.16394
(See Dunning, George)		
(Transferred to Dunning, George) <sup>2</sup>	<u>-324.00</u>	<u>-0.16394</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Durfee Property, LLC<sup>1</sup></b>		
(Successor to Texaco, Inc.) <sup>2</sup>	50.00	0.02530
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-50.00</u>	<u>-0.02530</u>
	<b>0.00</b>	<b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>East Pasadena Water Company, Ltd.</b>	<b>1,407.69</b>	<b>0.71227</b>
<b>Eckis, Rollin<sup>1</sup></b>		
(Successor to Sawpit Farms, Limited) <sup>2</sup>	123.00	0.06224
(Transferred to City of Monrovia) <sup>2</sup>	<u>-123.00</u>	<u>-0.06224</u>
	<b>0.00</b>	<b>0.00000</b>
<b>El Encanto Properties</b>	33.40	0.01690
(Transferred to La Puente Valley County Water District) <sup>2</sup>	<u>-33.40</u>	<u>-0.01690</u>
	<b>0.00</b>	<b>0.00000</b>
<b>El Monte, City of</b>	2,784.23	1.40878
(Successor to W. E. Hall Company) <sup>2</sup>	<u>0.20</u>	<u>0.00010</u>
	<b>2,784.43</b>	<b>1.40888</b>
<b>El Monte Cemetery Association</b>	<b>18.50</b>	<b>0.00936</b>
<b>El Monte Union High School District</b>	9.80	0.00496
(Successor to Duhalde, L.) <sup>3</sup>	6.40	0.00324
(Transferred to City of Whittier) <sup>2</sup>	<u>-16.20</u>	<u>-0.00820</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Everett, Mrs. Alda B.</b>	<b>0.00</b>	<b>0.00000</b>
(Held in common with Everett, W.B., Executor of the Estate of I. Worth Everett)		
<b>Everett, W.B., Executor of the Estate of I. Worth Everett</b>	--	--
(See Everett, Mrs. Alda B.)		
<b>Faix, Incorporated</b>	<b>0.00</b>	<b>0.00000</b>
(Successor to Frank F. Pellissier & Sons, Inc.) <sup>3</sup>		
(Transferred to Faix, Ltd.) <sup>3</sup>		
<b>Faix, Ltd.</b>	6,490.00	3.28384
(Successor to Faix, Incorporated) <sup>3</sup>		
(Transferred to Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of) <sup>2</sup>	<u>-6,490.00</u>	<u>-3.28384</u>
	<b>0.00</b>	<b>0.00000</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>First National Finance Corporation</b>	60.90	0.03081
(Transferred to City of Arcadia) <sup>2</sup>	<u>-60.90</u>	<u>-0.03081</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Fisher, Russell</b>	19.00	0.00961
(Held in common with Hauch, Edward and Warren, Clyde)		
(Transferred to California Domestic Water Company) <sup>2</sup>	<u>-19.00</u>	<u>-0.00961</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Fox Family Trust Michael Edward Fox and Crystal Marie Fox, Trustees<sup>1</sup></b>		
(Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) <sup>2</sup>	<b>145.83</b>	<b>0.07378</b>
<b>Frank F. Pellissier &amp; Sons, Inc.</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to Faix, Incorporated) <sup>3</sup>		
<b>Fruit Street Water Company</b>	207.00	0.10474
(Transferred to:		
Gifford, Brooks, Jr.,	-101.29	-0.05125
City of La Verne) <sup>2</sup>	<u>-105.71</u>	<u>-0.05349</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Garnier, Anton C. and Anita, Family Trust<sup>1</sup></b>		
(Successor to:		
South Covina Water Service	203.00	0.10271
Garnier, Camille A., Deceased, Estate of	8.30	0.00420
Garnier, Janus) <sup>2</sup>	<u>3.00</u>	<u>0.00152</u>
	<b>214.30</b>	<b>0.10843</b>
<b>Garnier, Camille A., Deceased, Estate of<sup>1</sup></b>		
(Successor to South Covina Water Service) <sup>2</sup>	83.30	0.04215
(Transferred to:		
The Ruth Elaine Ailor Garnier Trust	-41.70	-0.02110
The George Wayne and Alexis June Graveline Trust	-8.30	-0.00420
The Anton C. and Anita Garnier Family Trust	-8.30	-0.00420
Janus Garnier	-8.30	-0.00420
The Bandel Family Trust) <sup>2</sup>	<u>-16.70</u>	<u>-0.00845</u>
	<b>0.00</b>	<b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Garnier, Janus<sup>1</sup></b>		
(Successor to :		
Garnier, Camille A. Deceased, Estate of	8.30	0.00420
South Covina Water Service) <sup>2</sup>	203.00	0.10272
(Transferred to:		
George Wayne and Alexis June Graveline Trust	-5.30	-0.00268
The Anton C. and Anita Garnier Family Trust	-3.00	-0.00152
Cadway, Inc.) <sup>2</sup>	<u>-203.00</u>	<u>-0.10272</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Garnier, Ruth Elaine Ailor, Trust<sup>1</sup></b>		
(Successor to Garnier, Camille A. Deceased,	<u>41.70</u>	<u>0.02110</u>
Estate of) <sup>2</sup>	<b>41.70</b>	<b>0.02110</b>
<b>Gates, James Richard<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Gifford, Brooks, Jr.<sup>1</sup></b>		
(Successor to:		
Fruit Street Water Company,	101.29	0.05125
Mission Gardens Mutual Water Company) <sup>2</sup>	96.96	0.04906
(Transferred to City of Whittier) <sup>2</sup>	<u>-198.25</u>	<u>-0.10031</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Gilkerson, Frank B.</b>	--	--
(Formerly part of Covell, et al.)		
(Transferred interest in Covell, et al. to Jobe, Darr) <sup>2</sup>		
<b>Glendora Unified High School District</b>	99.00	0.05009
(Transferred to City of Glendora) <sup>2</sup>	<u>-99.00</u>	<u>-0.05009</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Goedert, Lillian E.</b>		
(See Covell, et al.)		
(Successor to Covell, et al.) <sup>2</sup>	9.26	0.00468
(Transferred to:		
Covina Irrigating Co.	-7.00	-0.00354
Nila, Mimi; Successor Trustee of the Lillian Goedert Living	<u>-2.26</u>	<u>-0.00114</u>
Trust) <sup>2</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Goedert, Marion W.</b>	--	--
(See Covell, et al.)		

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Golden State Water Company,</b> San Gabriel Valley District (Formerly Southern California Water Company)	<b>5,773.00</b>	<b>2.92105</b>
<b>Graham, William</b> (Formerly part of Covell, et al.) (Transferred interest in Covell et al. to Jobe, Darr) <sup>2</sup>	--	--
<b>Graveline, George Wayne and Alexis June, Trust<sup>1</sup></b> (Successor to: South Covina Water Service Garnier, Camille A., Deceased, Estate of Garnier, Janus) <sup>2</sup> (Transferred to California Domestic Water Company) <sup>2</sup>	203.00 8.30 5.30 <u>-216.60</u> <b>0.00</b>	0.10271 0.00420 0.00268 <u>-0.10959</u> <b>0.00000</b>
<b>Green, Walter</b>	<b>71.70</b>	<b>0.03628</b>
<b>Grizzle, Lissa B.</b> (Held in common with Grizzle, Mervin A.; Wilson, Harold R.; Wilson, Sarah C.) (Transferred to City of Whittier) <sup>2</sup>	184.00   <u>-184.00</u> <b>0.00</b>	0.09310   <u>-0.09310</u> <b>0.00000</b>
<b>Grizzle, Mervin A.</b> (See Grizzle, Lissa B.)	--	--
<b>Hansen, Alice</b>	<b>0.75</b>	<b>0.00038</b>
<b>Hanson Aggregates West, Inc. <sup>1</sup></b> (Successor to: Livingston-Graham, Inc. Sully-Miller Contracting Company) <sup>2</sup>	1,824.40  <u>489.77</u> <b>2,314.17</b>	0.92312  <u>0.24782</u> <b>1.17094</b>
<b>Hartley, David<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Hauch, Edward</b> (See Fisher, Russell)	--	--

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Heinrich, Carolyn<sup>1</sup></b> (Successor to Anderson Family Marital Trust) <sup>2</sup>	<u>25.08</u> <b>25.08</b>	<u>0.01269</u> <b>0.01269</b>
<b>Hemlock Mutual Water Company</b>	<b>166.00</b>	<b>0.08399</b>
<b>Hollenbeck Street Water Company</b> (Transferred to Suburban Water Systems) <sup>3</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Hughes Development Corporation<sup>1</sup></b> (Successor to Base Line Water Company) <sup>2</sup> (Transferred to: San Gabriel County Water District San Gabriel County Water District) <sup>2</sup>	430.20  -400.00 <u>-30.20</u> <b>0.00</b>	0.21767  -0.20239 <u>-0.01528</u> <b>0.00000</b>
<b>Hunter, Lloyd F.<sup>1</sup></b> (Successor to Wade, R.) <sup>2</sup> (Transferred to Covina Irrigating Company) <sup>2</sup>	4.40 <u>-4.40</u> <b>0.00</b>	0.00223 <u>-0.00223</u> <b>0.00000</b>
<b>Hydro-Conduit Corporation</b>	<b>0.00</b>	<b>0.00000</b>
<b>Industry Waterworks System, City of<sup>1</sup></b> (Successor to Cross Water Company) <sup>2</sup>	<u>1,103.00</u> <b>1,103.00</b>	<u>0.55810</u> <b>0.55810</b>
<b>Industry Properties, Ltd.</b> (Successor to A & E Plastik Pak Co., Inc.) <sup>3</sup> (Transferred to California Domestic Water Co.) <sup>2</sup>	73.50 <u>-73.50</u> <b>0.00</b>	0.03719 <u>-0.03719</u> <b>0.00000</b>
<b>Irwindale, City of<sup>1</sup></b> (Successor to United Concrete Pipe Corporation) <sup>2</sup>	<u>376.00</u> <b>376.00</b>	<u>0.19025</u> <b>0.19025</b>
<b>J. F. Isbell Estate, Inc.</b> (Transferred to Andrade, Macario and Consuelo; and Andrade, Robert and Jayne) <sup>2</sup>	8.36 <u>-8.36</u> <b>0.00</b>	0.00423 <u>-0.00423</u> <b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Jerris, Helen<sup>1</sup></b> (See Polopolus, et al.)	--	--
<b>Jobe, Darr<sup>1</sup></b> (Formerly part of Covell, et al.) (Successor to: Gilkerson, Frank B. interest in Covell et al. Graham, William interest in Covell et al.) <sup>2</sup> (Transferred interest in Covell et al. to Tate, Phillip G. and Sieglinde A.) <sup>2</sup>	--	--
<b>Kirklen Family Trust<sup>1</sup></b> (Formerly Kirklen, Dawn L.) (Held in common with Kirklen, William R.) (Successor to San Dimas-La Verne Recreational Facilities Authority) <sup>2</sup> (Transferred to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) <sup>2</sup>	375.00   62.50  <u>-437.50</u> <b>0.00</b>	0.18974   0.03162  <u>-0.22136</u> <b>0.00000</b>
<b>Kirklen, Dawn L.</b> (See Kirklen Family Trust)	--	--
<b>Kirklen, Jeffery<sup>1</sup></b> (Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) <sup>2</sup>	<b>145.84</b>	<b>0.07379</b>
<b>Kirklen, William R.</b> (See Kirklen, Dawn L.)	--	--
<b>Kiyan Farms</b> (Formerly Kiyan, Hideo) (Transferred to West Covina Venture, Ltd.) <sup>2</sup>	30.00  <u>-30.00</u> <b>0.00</b>	0.01518  <u>-0.01518</u> <b>0.00000</b>
<b>Kiyan, Hideo</b> (See Kiyan Farms) (Held in common with Kiyan, Hiro)	--	--
<b>Kiyan, Hiro</b> (See Kiyan, Hideo)	--	--



<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Knight, Kathryn M.<sup>1</sup></b>		
(Successor to Knight, William) <sup>2</sup>	227.88	0.11530
(Transferred to Knight, William) <sup>2</sup>	<u>-227.88</u>	<u>-0.11530</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Knight, William</b>	227.88	0.11530
(Transferred to Knight, Kathryn M.) <sup>2</sup>	-227.88	-0.11530
(Successor to Knight, Kathryn M.) <sup>2</sup>	227.88	0.11530
(Transferred to Knight, William J., Living Trust) <sup>2</sup>	<u>-227.88</u>	<u>-0.11530</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Knight, William J., Living Trust<sup>1</sup></b>		
(Successor to Knight, William)	<b>227.88</b>	<b>0.11530</b>
<b>Lakin, Kelly R.<sup>1</sup></b>		
(See Covell, et al.)		
(Successor to Covell, et al.) <sup>2</sup>	9.26	0.00468
(Transferred to:		
Covina Irrigating Co.	-6.03	-0.00305
Covina Irrigating Co.) <sup>2</sup>	<u>-3.23</u>	<u>-0.00163</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Lakin, Kendall R.<sup>1</sup></b>	--	--
(See Covell, et al.)		
<b>Landeros, John</b>	<b>0.75</b>	<b>0.00038</b>
<b>La Grande Source Water Company</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to Suburban Water Systems) <sup>3</sup>		
<b>Lang, Frank</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to San Dimas-La Verne Recreational Facilities Authority) <sup>3</sup>		
<b>La Puente Cooperative Water Co.</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to Suburban Water Systems) <sup>3</sup>		
<b>La Puente Valley County Water District</b>	1,097.00	0.55507
(Successor to El Encanto Properties) <sup>2</sup>	<u>33.40</u>	<u>0.01690</u>
	<b>1,130.40</b>	<b>0.57197</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>La Verne, City of</b>	250.00	0.12650
(Successor to Fruit Street Water Co.) <sup>2</sup>	105.71	0.05349
(Transferred to Covina Irrigating Co.) <sup>2</sup>	<u>-355.71</u>	<u>-0.17999</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Lee, Paul M. and Ruth A.;</b>	<b>0.00</b>	<b>0.00000</b>
<b>Nasmyth, Virginia; Nasmyth, John<sup>1</sup></b>		
<b>Little John Dairy</b>	<b>0.00</b>	<b>0.00000</b>
<b>Livingston-Graham, Inc.</b>	1,824.40	0.92312
(Transferred to Hanson Aggregates West, Inc.) <sup>2</sup>	<u>-1,824.40</u>	<u>-0.92312</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Los Flores Mutual Water Company</b>	26.60	0.01346
(Transferred to City of Monterey Park) <sup>2</sup>	<u>-26.60</u>	<u>-0.01346</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Loucks, David</b>	<b>3.00</b>	<b>0.00152</b>
<b>Lovelady, June G., Trustee<sup>1</sup></b>		
(Successor to White, June G., Trustee of the June G. White Share of the Garnier Trust) <sup>2</sup>	<u>185.50</u>	<u>0.09386</u>
	<b>185.50</b>	<b>0.09386</b>
<b>Loyola Marymount University<sup>1</sup></b>		
(Successor to George A.V. Dunning Trust) <sup>2</sup>	324.00	0.16394
(Transferred to City of Glendora) <sup>2</sup>	<u>-324.00</u>	<u>-0.16394</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Maggiore Family Trust, The<sup>1</sup></b>		
(Successor to Maggiore, Valarie) <sup>2</sup>	<b>145.83</b>	<b>0.07379</b>
<b>Maggiore, Valarie<sup>1</sup></b>		
(Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffrey) <sup>2</sup>	145.83	0.07379
(Transferred to Maggiore Family Trust, The) <sup>2</sup>	<u>-145.83</u>	<u>-0.07379</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery<sup>1</sup></b>		
(Successor to Kirklen Family Trust) <sup>2</sup>	437.50	0.22136
(Transferred to: (Maggiore, Valarie;	-145.83	-0.07379

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
Kirklen, Jeffrey;	-145.84	-0.07379
Fox Family Trust, Michael Edward Fox and Crystal Marie Fox, Trustees) <sup>2</sup>	<u>-145.83</u> <b>0.00</b>	<u>-0.07378</u> <b>0.00000</b>
<b>Manning Bros. Rock &amp; Sand Co.</b> (Transferred to Conrock Company) <sup>2</sup>	328.00 <u>-328.00</u> <b>0.00</b>	0.16596 <u>-0.16596</u> <b>0.00000</b>
<b>Maple Water Company</b> (Transferred to Southwest Water Co.) <sup>2</sup>	118.50 <u>-118.50</u> <b>0.00</b>	0.05996 <u>-0.05996</u> <b>0.00000</b>
<b>Martinez, Frances Mercy</b> (Held in common with Martinez, Jaime)	<b>0.75</b>	<b>0.00038</b>
<b>Martinez, Jaime</b> (See Martinez, Frances Mercy)	--	--
<b>Massey-Ferguson Company</b>	<b>0.00</b>	<b>0.00000</b>
<b>McIntyre, William<sup>1</sup></b> (Successor to West Covina Venture, Ltd.) <sup>2</sup> (Transferred to Canyon Water Company) <sup>2</sup>	30.00 <u>-1.00</u> <b>29.00</b>	0.01518 <u>-0.00051</u> <b>0.01467</b>
<b>Miller Brewing Company</b> (Successor to: Maechtlen, Estate of J.J. Phillips, Alice B., et al. South Covina Water Service Woodland Farms Woodland, Richard) <sup>2</sup> (Transferred to Miller Breweries West, L.P.) <sup>2</sup>	111.01  151.50 50.00 300.00 919.50 840.50 <u>-2,372.51</u> <b>0.00</b>	0.05617  0.07666 0.02530 0.15180 0.46526 0.42528 <u>-1.20047</u> <b>0.00000</b>
<b>Miller Breweries West, L.P.<sup>1</sup></b> (Successor to Miller Brewing Company) <sup>2</sup> (Transferred to MillerCoors LLC) <sup>2</sup>	2,372.51 <u>-2,372.51</u> <b>0.00</b>	1.20047 <u>-1.20047</u> <b>0.00000</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>MillerCoors LLC<sup>1</sup></b> (Successor to Miller Breweries West, L.P.) <sup>2</sup>	<b>2,372.51</b>	<b>1.20047</b>
<b>Mission Gardens Mutual Water Company</b> (Transferred to Gifford, Brooks, Jr.) <sup>2</sup>	96.96 <u>-96.96</u> <b>0.00</b>	0.04906 <u>-0.04906</u> <b>0.00000</b>
<b>Modern Accent Corporation</b> (Successor to Crocker National Bank, Executor of the Estate of A. V. Handorf) <sup>3</sup> (Transferred to California Domestic Water Co.) <sup>2</sup>	256.86 <u>-256.86</u> <b>0.00</b>	0.12997 <u>-0.12997</u> <b>0.00000</b>
<b>Monterey Park, City of</b> (Successor to Los Flores Mutual Water Co.) <sup>2</sup>	6,677.48 <u>26.60</u> <b>6,704.08</b>	3.37870 <u>0.01346</u> <b>3.39216</b>
<b>Munoz, Ralph<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Murphy Ranch Mutual Water Company</b> (Transferred to Southwest Suburban Water) <sup>2</sup>	223.23 <u>-223.23</u> <b>0.00</b>	0.11295 <u>-0.11295</u> <b>0.00000</b>
<b>Namimatsu Farms</b> (Transferred to California Cities Water Co.) <sup>2</sup>	196.00 <u>-196.00</u> <b>0.00</b>	0.09917 <u>-0.09917</u> <b>0.00000</b>
<b>Nick Tomovich &amp; Sons</b>	<b>0.02</b>	<b>0.00001</b>
<b>Nicholson Trust<sup>1</sup></b> (Successor to Beverly Acres Mutual Water Users Association) <sup>2</sup> (Transferred to: Nicholson Family Trust Nicholson Trust, Helene S.) <sup>2</sup>	43.00     <u>-7.00</u> <u>-12.00</u> <b>24.00</b>	0.02176     <u>-0.00354</u> <u>-0.00607</u> <b>0.01215</b>
<b>Nicholson Family Trust<sup>1</sup></b> (Successor to Nicholson Trust) <sup>2</sup>	<u>7.00</u> <b>7.00</b>	<u>0.00354</u> <b>0.00354</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Nicholson Trust, Helene S.<sup>1</sup></b>		
(Successor to Nicholson Trust) <sup>2</sup>	12.00	0.00607
(Transferred to San Gabriel Valley Water Co.) <sup>2</sup>	<u>-12.00</u>	<u>-0.00607</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Nila, Mimi; Successor Trustee of the Lillian Goedert Living Trust<sup>1</sup></b>		
(Successor to Goedert, Lillian E.) <sup>2</sup>	2.26	0.00114
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-2.26</u>	<u>-0.00114</u>
	<b>0.00</b>	<b>0.00000</b>
<b>New Owl Rock Products<sup>1</sup></b>		
(Successor to Owl Rock Products Co.) <sup>2</sup>	715.60	0.36208
(Transferred to Robertson's Ready Mix, Ltd.) <sup>2</sup>	<u>-715.60</u>	<u>-0.36208</u>
	<b>0.00</b>	<b>0.00000</b>
<b>No. 17 Walnut Place Mutual Water Co.</b>	21.50	0.01088
(Transferred to San Gabriel Valley Water Co.) <sup>2</sup>	<u>-21.50</u>	<u>-0.01088</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Orange Production Credit Association<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Owl Rock Products Co.</b>	715.60	0.36208
(Transferred to New Owl Rock Products) <sup>2</sup>	<u>-715.60</u>	<u>-0.36208</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Pacific Rock &amp; Gravel Co.</b>	408.00	0.20644
(Transferred to:	-208.00	-0.10524
City of Whittier,	<u>-200.00</u>	<u>-0.10120</u>
Rose Hills Memorial Park Association) <sup>2</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Park Water Company</b>	184.01	0.09311
(Transferred to Valley County Water District) <sup>2</sup>	<u>-184.01</u>	<u>-0.09311</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Parton Family Trust<sup>1</sup></b>	46.20	0.02338
(Formerly Via, H., Trust of) <sup>2</sup>		
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-46.20</u>	<u>-0.02338</u>
	<b>0.00</b>	<b>0.00000</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of <sup>1</sup></b> (Successor to Faix, Ltd) <sup>2</sup>	<u>6,490.00</u> <b>6,490.00</b>	<u>3.28384</u> <b>3.28384</b>
<b>Penn, Margaret<sup>1</sup></b> (See Polopolus, et al.)	--	--
<b>Pico County Water District</b>	<b>0.75</b>	<b>0.00038</b>
<b>Polopolus, John<sup>1</sup></b> (See Polopolus, et al.)	--	--
<b>Polopolus, et al.<sup>1</sup></b> (Successor to Polopolus, Steve) <sup>2</sup> (Held in common with Chronis, Christine; Jerris, Helen; Penn, Margaret; Polopolus, John)	<u>22.50</u> <b>22.50</b>	<u>0.01138</u> <b>0.01138</b>
<b>Polopolus, Steve</b> (Transferred to Polopolus, et al.) <sup>2</sup>	22.50 <u>-22.50</u> <b>0.00</b>	0.01138 <u>-0.01138</u> <b>0.00000</b>
<b>Progressive Buddhist Association, The <sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Rados, Alexander</b> (Held in common with Rados, Stephen and Rados, Walter)	<b>43.00</b>	<b>0.02176</b>
<b>Rados, Stephen</b> (See Rados, Alexander)	--	--
<b>Rados, Walter</b> (See Rados, Alexander)	--	--
<b>Richwood Mutual Water Company</b> (Transferred to San Gabriel Valley Water Company) <sup>2</sup>	192.60 <u>-192.60</u> <b>0.00</b>	0.09745 <u>-0.09745</u> <b>0.00000</b>
<b>Rincon Ditch Company</b> (Transferred to Workman Mill Investment Company) <sup>2</sup>	628.00 <u>-628.00</u> <b>0.00</b>	0.31776 <u>-0.31776</u> <b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Rincon Irrigation Company</b> (Transferred to Workman Mill Investment Company) <sup>2</sup>	314.00 <u>-314.00</u> <b>0.00</b>	0.15888 <u>-0.15888</u> <b>0.00000</b>
<b>Rio Hondo Memorial Foundation, The</b> <sup>1</sup> (Formerly Rose Hills Foundation, The) (See Rose Hills Foundation, The)	--	--
<b>Rittenhouse, Catherine</b> (Transferred to Covell, Ralph) <sup>3</sup>	0.00	0.00000
<b>Rittenhouse, James</b> (Transferred to Covell, Ralph) <sup>3</sup>	0.00	0.00000
<b>Robertson's Ready Mix, Ltd.</b> <sup>1</sup> (Successor to New Owl Rock Products) <sup>2</sup> (Transferred to San Gabriel County Water District) <sup>2</sup>	715.60 <u>-715.60</u> <b>0.00</b>	0.36208 <u>-0.36208</u> <b>0.00000</b>
<b>Rosedale, Lucy A. &amp; Harry Edwin III, Trustees of the Harry            E. Rosedale Trust dated May 24, 1985</b> <sup>1</sup>	0.00	0.00000
<b>Rose Hills Memorial Park Association</b> (See Rose Hills Foundation, The)	--	--
<b>Rose Hills Foundation, The</b> <sup>1</sup> (Formerly Rose Hills Memorial Park Association) (See Rio Hondo Memorial Foundation, The) (Formerly Rio Hondo Memorial Foundation, The) (Successor to Pacific Rock & Gravel Co.) <sup>2</sup> (Transferred to: Workman Mill Investment Co. Workman Mill Investment Co.) <sup>2</sup>	594.00 200.00 -594.00 <u>-200.00</u> <b>0.00</b>	0.30055 0.10120 -0.30055 <u>-0.10120</u> <b>0.00000</b>
<b>Rosemead Development, Ltd.</b> <sup>1</sup> (Successor to Thompson, Earl W.) <sup>2</sup>	<u>1.00</u> <b>1.00</b>	<u>0.00051</u> <b>0.00051</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Rurban Homes Mutual Water Company</b>	<b>217.76</b>	<b>0.11018</b>
<b>Ruth, Roy</b>	<b>0.75</b>	<b>0.00038</b>
<b>San Dimas Golf Inc. DBA Via Verde County Club<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>San Dimas-La Verne Recreational Facilities Authority</b>		
(Successor to Lang, Frank) <sup>3</sup>	62.50	0.03162
(Transferred to Kirklen, Dawn L. and William R.) <sup>2</sup>	<u>-62.50</u>	<u>-0.03162</u>
	<b>0.00</b>	<b>0.00000</b>
<b>San Gabriel Country Club</b>	<b>286.10</b>	<b>0.14476</b>
<b>San Gabriel County Water District</b>	4,250.00	2.15044
(Successor to:		
Hughes Development Corporation	400.00	0.20239
Hughes Development Corporation	30.20	0.01528
Robertson's Ready Mix, Ltd.) <sup>2</sup>	<u>715.60</u>	<u>0.36208</u>
	<b>5,395.80</b>	<b>2.73019</b>
<b>San Gabriel Valley Municipal Water District</b>	<b>0.00</b>	<b>0.00000</b>
<b>San Gabriel Valley Water Company</b>	16,659.00	8.42920
(Successor to:		
Vallecito Water Co.	2,867.00	1.45066
No. 17 Walnut Place Mutual Water Co.	21.50	0.01088
Cedar Avenue Mutual Water Company	121.10	0.06127
Beverly Acres Mutual Water Users Association	50.00	0.02530
Richwood Mutual Water Company	192.60	0.09745
Nicholson Trust, Helene S.	12.00	0.00607
Durfee Property, LLC	50.00	0.02530
Wright, Darrell A., Wright, Merle M. and Carlson, Jeanne W.	50.65	0.02563
Parton Family Trust	46.20	0.02338
Maddock, A.G.		
Driftwood Dairy	163.80	0.08288
Champion Mutual Water Company	147.68	0.07472
Nila, Mimi; Successor Trustee of the Lillian Goedert Living Trust) <sup>2</sup>	<u>2.26</u>	<u>0.00114</u>
	<b>20,383.79</b>	<b>10.31388</b>



PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Sawpit Farms, Limited</b>	173.00	0.08754
(Transferred to:		
Eckis, Rolin	-123.00	-0.06224
Doyle and Madruga) <sup>2</sup>	<u>-50.00</u>	<u>-0.02530</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Schneiderman, Alan</b>	--	--
(See Birenbaum, Max)		
<b>Schneiderman, Lydia</b>	--	--
(See Birenbaum, Max)		
<b>Security Pacific National Bank, Co-trustee for the Estate of Winston F. Stoody</b>	38.70	0.01958
(See Stoody, Virginia A.)		
(Transferred to City of Whittier) <sup>2</sup>	<u>-38.70</u>	<u>-0.01958</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Sierra La Verne Country Club<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Sierra Madre, City of</b>	<b>0.00</b>	<b>0.00000</b>
<b>Sloan Ranches</b>	129.60	0.06558
(Transferred to Cadway, Inc.) <sup>2</sup>	<u>-129.60</u>	<u>-0.06558</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Smith, Charles<sup>3</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Snyder, Esther<sup>1</sup></b>		
(Successor to Covell, et al) <sup>2</sup>	18.51	0.00937
(Transferred to Azusa Associates, LLC) <sup>2</sup>	<u>-18.51</u>	<u>-0.00937</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Snyder, Harry</b>	--	--
(See Covell, et al.)		
<b>Sonoco Products Company</b>	<b>311.60</b>	<b>0.15766</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>South Covina Water Service</b>	992.30	0.50209
(Transferred to:		
Miller Brewing Company	-300.00	-0.15180
Anton C. and Anita Garnier Family Trust	-203.00	-0.10271
The George Wayne and Alexis June Graveline Trust	-203.00	-0.10271
The Estate of Camille A. Garnier, Deceased	-83.30	-0.04215
Garnier, Janus) <sup>2</sup>	<u>-203.00</u>	<u>-0.10272</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Southdown, Inc.<sup>1</sup></b>	--	--
(Formerly AZ-Two, Inc.)		
(See CEMEX California Aggregates, Inc.)		
<b>Southern California Edison Company</b>	155.25	0.07855
(Successor to Associated		
Southern Investment Company) <sup>2</sup>	<u>16.50</u>	<u>0.00835</u>
	<b>171.75</b>	<b>0.08690</b>
<b>Southern California Water Company,</b>	--	--
San Gabriel Valley District		
(See Golden State Water Company, San Gabriel Valley District)		
<b>South Pasadena, City of</b>	<b>3,567.70</b>	<b>1.80520</b>
<b>Southwest Suburban Water</b>	--	--
(See Suburban Water Systems)		
<b>Southwest Water Company<sup>1</sup></b>		
(Successor to Maple Water Company) <sup>2</sup>	<u>118.50</u>	<u>0.05996</u>
	<b>118.50</b>	<b>0.05996</b>
<b>Southwestern Portland Cement Company<sup>1</sup></b>		
(Successor to Azusa Western, Inc.) <sup>2</sup>	742.00	0.37544
(Transferred to American Sheds, Inc.) <sup>2</sup>	<u>-742.00</u>	<u>-0.37544</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Speedway 605, Inc.<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Standard Oil Company of California</b>	--	--
(See Chevron U.S.A.)		

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Sterling Mutual Water Company</b>	<b>120.00</b>	<b>0.06072</b>
<b>Stoody, Virginia A., Co-trustee for the</b>	--	--
<b>Stoody, Winston F., Estate of</b> (See Security Pacific National Bank, Co-trustee)	--	--
<b>Suburban Water Systems</b> (Formerly Southwest Suburban Water) (Successor to: Hollenbeck Street Water Company <sup>3</sup> La Grande Source Water Company <sup>3</sup> La Puente Cooperative Water Co. <sup>3</sup> Valencia Valley Water Company <sup>3</sup> Victoria Mutual Water Company <sup>3</sup> Cal Fin <sup>2</sup> Murphy Ranch Mutual Water Co. <sup>2</sup> )	20,462.47   646.39 1,078.00 1,210.90 651.50 469.60 118.10 <u>223.23</u> <b>24,860.19</b>	10.35370   0.32706 0.54545 0.61270 0.32965 0.23761 0.05976 <u>0.11295</u> <b>12.57888</b>
<b>Sully-Miller Contracting Company<sup>1</sup></b> (Successor to Blue Diamond Concrete Materials Div., The Flintkote Company) <sup>2</sup> (Transferred to: United Rock Products Corporation Hanson Aggregates West, Inc.) <sup>2</sup>	1,399.33   -909.56 <u>-489.77</u> <b>0.00</b>	0.70804   -0.46022 <u>-0.24782</u> <b>0.00000</b>
<b>Sunny Slope Water Company</b>	<b>2,228.72</b>	<b>1.12770</b>
<b>Tate, Phillip G. and Sieglinde A.<sup>1</sup></b> (See Covell, et al.) (Successor to Jobe, Darr interest in Covell, et al.) <sup>2</sup> (Successor to Covell, et al.) <sup>2</sup> (Transferred to Tate, Phillip G. and Sieglinde A., Trustees of the Tate Family Trust) <sup>2</sup>	57.83   -57.83 <b>0.00</b>	0.02926   <u>-0.02926</u> <b>0.00</b>
<b>Tate, Phillip G. and Sieglinde A., Trustees of the Tate Family Trust<sup>1</sup></b> (Successor to Tate, Phillip G. and Sieglinde A.) <sup>2</sup>	<b>57.83</b>	<b>0.02926</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Taylor Herb Garden</b>	6.00	0.00304
(Transferred to Covina Irrigating Company) <sup>2</sup>	<u>-6.00</u>	<u>-0.00304</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Texaco, Inc. (Chevron U.S.A., Inc.)</b>	50.00	0.02530
(Transferred to Durfee Property, LLC) <sup>2</sup>	<u>-50.00</u>	<u>-0.02530</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Thompson, Earl W.</b>	1.00	0.00051
(Held in common with Thompson, Mary)		
(Transferred to Rosemead Development, Ltd.) <sup>2</sup>	<u>-1.00</u>	<u>-0.00051</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Thompson, Mary</b>	--	--
(See Thompson, Earl W.)		
<b>Tran, Hieu<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Tyler Nursery</b>	<b>3.21</b>	<b>0.00162</b>
<b>United Concrete Pipe Corporation</b>	376.00	0.19025
(Transferred to Irwindale, City of) <sup>2</sup>	<u>-376.00</u>	<u>-0.19025</u>
	<b>0.00</b>	<b>0.00000</b>
<b>United Rock Products Corporation<sup>1</sup></b>		
(Successor to:		
Sully Miller Contracting Company) <sup>2</sup>	909.56	0.46022
(Transferred to California Domestic Water Company) <sup>2</sup>	<u>-450.00</u>	<u>-0.22769</u>
	<b>459.56</b>	<b>0.23253</b>
<b>Ursey, William B.<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>USA Waste of California, Inc.<sup>1</sup></b>		
(Successor to American Sheds, Inc.) <sup>2</sup>	742.00	0.37544
(Transferred to Aqua Capital Management LP) <sup>2</sup>	<u>-742.00</u>	<u>-0.37544</u>
	<b>0.00</b>	<b>0.00000</b>
<b>U.S. Pipe &amp; Foundry Company<sup>1</sup></b>	--	--
(See United Concrete Pipe Corporation)		

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Valencia Heights Water Company</b> (Successor to Crown City Plating Company) <sup>2</sup>	861.00 <u>200.00</u> <b>1,061.00</b>	0.43565 <u>0.10120</u> <b>0.53685</b>
<b>Valencia Valley Water Company</b> (Transferred to Suburban Water Systems) <sup>3</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Vallecito Water Company</b> (Transferred to San Gabriel Valley Water Company) <sup>2</sup>	2,867.00 <u>-2,867.00</u> <b>0.00</b>	1.45066 <u>-1.45066</u> <b>0.00000</b>
<b>Valley County Water District</b> (Formerly Baldwin Park County Water District) (Successor to Park Water Company) <sup>2</sup>	5,775.00 <u>184.01</u> <b>5,959.01</b>	2.92206 <u>0.09311</u> <b>3.01517</b>
<b>Valley Crating Company</b>	<b>0.00</b>	<b>0.00000</b>
<b>Valley View Mutual Water Company</b>	<b>616.00</b>	<b>0.31169</b>
<b>Via, H.</b> (See Via, H., Trust of)	--	--
<b>Via, H., Trust of</b> (Formerly Via, H.) (See Parton Family Trust)	--	--
<b>Victoria Mutual Water Company</b> (Transferred to Suburban Water Systems) <sup>3</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Vietnamese American Buddhist Temple Congregation<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Vulcan Materials Company</b> (Formerly CalMat) (Successor to Manning Bros. Rock & Sand Co.) <sup>2</sup>	<u>1,793.35</u> <b>1,793.35</b>	<u>0.90740</u> <b>0.90740</b>
<b>Wade, R.</b> (Transferred to Hunter, Lloyd F.) <sup>2</sup>	4.40 <u>-4.40</u> <b>0.00</b>	0.00223 <u>-0.00223</u> <b>0.00000</b>

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>Ward Duck Company</b> (See Woodland Farms, Inc.)	--	--
<b>Warren, Clyde</b> (See Fisher, Russell)	--	--
<b>W. E. Hall Company</b> (Transferred to City of El Monte) <sup>2</sup>	0.20 <u>-0.20</u> <b>0.00</b>	0.00010 <u>-0.00010</u> <b>0.00000</b>
<b>West Covina Venture, Ltd.</b> <sup>1</sup> (Successor to Kiyan Farms) <sup>2</sup> (Transferred to McIntyre, William) <sup>2</sup>	30.00 <u>-30.00</u> <b>0.00</b>	0.01518 <u>-0.01518</u> <b>0.00000</b>
<b>White, June G., Trustee of the June G. White Share of the Garnier Trust</b> <sup>1</sup> (Successor to Denton, Kathryn W., Trustee for the San Jose Ranch Company) <sup>2</sup> (Transferred to Lovelady, June G., Trustee) <sup>2</sup>	185.50 <u>-185.50</u> <b>0.00</b>	0.09386 <u>-0.09386</u> <b>0.00000</b>
<b>Whittier, City of</b> (Successor to: Grizzle, Lissa B. Pacific Rock and Gravel Co. Security Pacific National Bank, Co-trustee for the Estate of Winston F. Stooddy El Monte Union High School District Gifford, Brooks, Jr. Birenbaum, Max) <sup>2</sup>	7,620.23  184.00 208.00  38.70 16.20 198.25 <u>6.00</u> <b>8,271.38</b>	3.85572  0.09310 0.10524  0.01958 0.00820 0.10031 <u>0.00304</u> <b>4.18519</b>
<b>Wigodsky, Bernard</b> (See Birenbaum, Max)	--	--
<b>Wigodsky, Estera</b> (See Birenbaum, Max)	--	--
<b>Wilmott, Erma M.</b> (Formerly Comby, Erma M.)	<b>0.75</b>	<b>0.00038</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Wilson, Harold R.</b> (See Grizzle, Lissa B.)	--	--
<b>Wilson, Sarah C.</b> (See Grizzle, Lissa B.)	--	--
<b>Woodland Farms, Inc.</b> (See 6W Farms, Inc.) (Formerly Ward Duck Company)	--	--
<b>Woodland, Frederick G.<sup>1</sup></b>	--	--
<b>Woodland, Richard<sup>1</sup></b> (Successor to Bahnsen & Beckman Ind., Inc.) <sup>2</sup> (Transferred to Miller Brewing Company) <sup>2</sup> (Successor to 6W Farms, Inc.) <sup>2</sup> (Transferred to Aqua Capital Management LP) <sup>2</sup>	840.50 -840.50 297.90 <u>-297.90</u> <b>0.00</b>	0.42528 -0.42528 0.15073 <u>-0.15073</u> <b>0.00000</b>
<b>Workman Mill Investment Company<sup>1</sup></b> (Successor to: Rincon Ditch Company Rincon Irrigation Company Rose Hills Memorial Park Association Rose Hills Foundation, The) <sup>2</sup>	628.00 314.00 594.00 <u>200.00</u> <b>1,736.00</b>	0.31776 0.15888 0.30055 <u>0.10120</u> <b>0.87839</b>
<b>Wright, Darrell A., Wright, Merle M. &amp; Carlson, Jeanne W.<sup>1</sup></b> (Successor to Burbank Development Co.) <sup>2</sup> (Transferred to San Gabriel Valley Water Company) <sup>2</sup>	50.65 <u>-50.65</u> <b>0.00</b>	0.02563 <u>-0.02563</u> <b>0.00000</b>
Totals for Exhibit "D"	<b>151,113.64</b>	<b>76.46119</b>
Totals for Exhibit "E"	<b>46,520.79</b>	<b>23.53881</b>
<b>GRAND TOTALS</b>	<b><u>197,634.43</u></b>	<b><u>100.00000</u></b>

# APPENDIX L

## EXHIBIT "E" OF JUDGMENT

TABLE SHOWING PRODUCTION  
RIGHT OF EACH INTEGRATED PRODUCER  
AS OF JUNE 30, 2017

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>Aqua Capital Management LP<sup>1</sup></b>			
(Successor to:			
Susan K. Brierly	16.00	0.00	0.00000
Miles R. Rosedale	125.00	0.00	0.00000
Monrovia Nursery	24.00	0.00	0.00000
Lance Rosedale	22.00	0.00	0.00000
Richard VanLandingham) <sup>2</sup>	14.00	0.00	0.00000
(Transferred to:			
California Domestic Water Company) <sup>2</sup>	<u>-201.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Azusa, City of</b>	0.00	3,655.99	1.84988
(Successor to Monrovia Nursery Company) <sup>2</sup>	363.00	0.00	0.00000
(Transferred to Azusa Valley Water Company) <sup>2</sup>	<u>0.00</u>	<u>-3,359.79</u>	<u>-1.70000</u>
	<b>363.00</b>	<b>296.20</b>	<b>0.14988</b>
<b>Azusa Agricultural Water Company</b>	1,000.00	1,732.20	0.87647
(Transferred to:			
Azusa Valley Water Company	-830.00	-1,437.73	-0.72747
Azusa Valley Water Company) <sup>2</sup>	<u>-170.00</u>	<u>-294.47</u>	<u>-0.14900</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Azusa Foot-Hill Citrus Company</b>	718.50	0.00	0.00000
(Transferred to Monrovia Nursery Company) <sup>2</sup>	<u>-718.50</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Azusa Valley Water Company</b>	2,422.00	8,274.00	4.18652
(Successor to:			
Azusa Agricultural Water Company	830.00	1,437.73	0.72747
Azusa Agricultural Water Company	170.00	294.47	0.14900
City of Azusa) <sup>2</sup>	<u>0.00</u>	<u>3,359.79</u>	<u>1.70000</u>
	<b>3,422.00</b>	<b>13,365.99</b>	<b>6.76299</b>



INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>Brierly, Susan K.<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	24.00	0.00	0.00000
(Transferred to:			
Miles R. Rosedale	-8.00	0.00	0.00000
Aqua Capital Management) <sup>2</sup>	<u>-16.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>California-American Water Company</b>	<b>1,672.00</b>	<b>3,649.00</b>	<b>1.84634</b>
(Duarte System)			
<b>California Cities Water Company</b>	--	--	--
(See Southern California Water Company, San Dimas District)			
<b>California Domestic Water Company</b>			
(Successor to Aqua Capital Management LP) <sup>2</sup>	201.00		
(Transferred to Covina Irrigating Company) <sup>2</sup>	<u>-201.00</u>		
	<b>0.00</b>	--	--
<b>Covina Irrigating Company</b>	2,514.00	4,140.00	2.09478
(Successor to:			
City of Covina		1,734.00	0.87737
City of Covina		300.00	0.15179
Taylor Herb Garden		6.00	0.00304
La Verne, City of		355.71	0.17999
Davidson Optronics, Inc.		22.00	0.01113
Goedert, Lillian		7.00	0.00354
Lakin, Kelly R.		6.03	0.00305
Hunter, Lloyd F.		4.40	0.00223
Lakin, Kelly R.		3.23	0.00163
California Domestic Water Company) <sup>2</sup>	203.12		
(Transferred to:			
California Domestic Water Company) <sup>2</sup>	<u>          </u>	<u>-203.12</u>	<u>-0.10278</u>
	<b>2,717.12</b>	<b>6,375.25</b>	<b>3.22577</b>
<b>CV Glendora 3 Site, LLC</b>	--	--	--
(See CV Santa Rosa Investments, LLC)			

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>CV Santa Rosa Investments, LLC<sup>1</sup></b> (Formerly CV Glendora 3 Site, LLC) (Successor to: Rosedale, Miles R. Monrovia Nursery Company) <sup>2</sup> (Transferred to: City of Glendora City of Glendora) <sup>2</sup>	184.00 10.00  -116.00 <u>-78.00</u> <b>0.00</b>	0.00 0.00  0.00 <u>0.00</u> <b>0.00</b>	0.00000 0.00000  0.00000 <u>0.00000</u> <b>0.00000</b>
<b>DeFalco, John and Carole<sup>1</sup></b> (Successor to Nickowitz, at al.) <sup>2</sup>	<u>1.49</u> <b>1.49</b>	<u>0.00</u> <b>0.00</b>	<u>0.00000</u> <b>0.00000</b>
<b>Glendora, City of</b> (Successor to: Maechtlen, Estate of J. J. Maechtlen, Trust of P. A. Ruebhausen, Arline Glendora Unified High School District Loyola Marymount University Clayton Manufacturing Company CV Glendora 3 Site, LLC CV Santa Rosa Investments, LLC) <sup>2</sup>	17.00   18.34    116.00 <u>78.00</u> <b>229.34</b>	8,258.00  150.00 50.00  99.00 324.00 511.80  <u>9,392.80</u>	4.17842  0.07590 0.02530  0.05009 0.16394 0.25896  <u>4.75261</u>
<b>Golden State Water Company, San Dimas District<sup>1</sup></b> (Formerly California Cities Water Company) (Successor to Namimatsu Farms) <sup>2</sup>	500.00  <u>500.00</u>	3,242.53  <u>196.00</u> <b>3,438.53</b>	1.64067  <u>0.09917</u> <b>1.73984</b>
<b>JUH#1<sup>1</sup></b> (Successor to Monrovia Nursery Company) <sup>2</sup> (Transferred to Miles R. Rosedale) <sup>2</sup>	48.00 <u>-16.00</u> <b>32.00</b>	0.00  <u>0.00</u>	0.00000  <u>0.00000</u>
<b>Los Angeles, County of</b>	<b>310.00</b>	<b>3,721.30</b>	<b>1.88292</b>
<b>Maechtlen, Estate of J. J., Trustee for the Estate of P.A. Maechtlen</b> (Transferred to: City of Glendora Miller Brewing Company) <sup>2</sup>	0.00   <u>0.00</u>	301.50  -150.00 <u>-151.50</u> <b>0.00</b>	0.15256  -0.07590 <u>-0.07666</u> <b>0.00000</b>

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>Maechtlen, Trust of J. J.<sup>1</sup></b>	1.49	0.00	0.00000
(Transferred to Otting, David; Otting, Larry; and Webster, Scott) <sup>2</sup>	-1.49	0.00	0.00000
(Successor to Otting, David; Otting, Larry; and Webster, Scott) <sup>2</sup>	1.49	0.00	0.00000
(Transferred to Nikowitz, et al) <sup>2</sup>	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Maechtlen, Trust of P. A.<sup>1</sup></b>	0.50	100.50	0.05085
(Transferred to: City of Glendora		-50.00	-0.02530
Alice B. Phillips, et al.) <sup>2</sup>	<u>-0.50</u>	<u>-50.50</u>	<u>-0.02555</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>The Metropolitan Water District of of Southern California</b>	<b>9.59</b>	<b>165.00</b>	<b>0.08349</b>
<b>Monrovia, City of</b>	1,098.00	5,042.22	2.55129
(Successor to: Eckis, Rollin		123.00	0.06224
City of Arcadia) <sup>2</sup>		<u>951.00</u>	<u>0.48119</u>
	<b>1,098.00</b>	<b>6,116.22</b>	<b>3.09472</b>
<b>Monrovia Nursery Company</b>	239.50	0.00	0.00000
(Successor to Azusa Foothill Citrus Company) <sup>2</sup>	718.50	0.00	0.00000
(Transferred to: City of Azusa	-363.00	0.00	0.00000
Brierly, Susan K.	-24.00	0.00	0.00000
Rosedale, Miles R.	-191.00	0.00	0.00000
VanLandingham, Richard	-21.00	0.00	0.00000
JUH#1	-48.00	0.00	0.00000
Rosedale, Lance	-32.00	0.00	0.00000
CV Glendora 3 Site, LLC	-10.00	0.00	0.00000
Rosedale Jr., Harry E.	-168.00	0.00	0.00000
Rosedale, Miles R.	-77.00	0.00	0.00000
Aqua Capital Mangement LP) <sup>2</sup>	<u>-24.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Nikowitz, et al<sup>1</sup></b>			
(Successor to Maechtlen, Trust of J. J.) <sup>2</sup>	1.49	0.00	0.00000
(Held in common with Nikowitz, Sheryl M. and Walter P.; Pellegrino, Mark and Roxanne; Verdegem, Thomas and Sandra B.)			
(Transferred to DeFalco, John and Carole) <sup>2</sup>	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>Otting, David; Otting, Larry; and Webster, Scott<sup>1</sup></b>			
(Successor to Maechtlen, Trust of J. J.) <sup>2</sup>	1.49	0.00	0.00000
(Transferred to Maechtlen, Trust of J. J.) <sup>2</sup>	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Phillips, Alice B., et al.<sup>1</sup></b>			
(Successor to Maechtlen, Trust of P. A.) <sup>2</sup>	0.50	50.50	0.02555
(Transferred to Miller Brewing Co.) <sup>2</sup>	<u>      </u>	<u>-50.00</u>	<u>-0.02530</u>
	<b>0.50</b>	<b>0.50</b>	<b>0.00025</b>
<b>Rosedale Jr., Harry E.<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	168.00	0.00	0.00000
(Transferred to Rosedale, Lucy A. and Harry Edwin III, Trustees of the Harry E. Rosedale Trust) <sup>2</sup>	<u>-168.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Rosedale, Lance<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	32.00	0.00	0.00000
(Transferred to:			
Rosedale, Miles R.	-10.00	0.00	0.00000
Aqua Capital Management LP) <sup>2</sup>	<u>-22.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Rosedale, Lucy A. and Harry Edwin III, Trustees of the Harry E. Rosedale Trust<sup>1</sup></b>			
(Successor to Rosedale Jr., Harry E.) <sup>2</sup>	<b>168.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Rosedale, Miles R.<sup>1</sup></b>			
(Successor to:			
Monrovia Nursery Company	191.00	0.00	0.00000
Susan K. Brierly	8.00	0.00	0.00000
JUH#1	16.00	0.00	0.00000
Monrovia Nursery Company	77.00	0.00	0.00000
Richard Van Landingham	7.00	0.00	0.00000
Lance Rosedale) <sup>2</sup>	10.00	0.00	0.00000
(Transferred to:			
CV Glendora 3 Site, LLC	-184.00	0.00	0.00000
Aqua Capital Management LP) <sup>2</sup>	<u>-125.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>VanLandingham, Richard<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	21.00	0.00	0.00000
(Transferred to:			
Rosedale, Miles R.	-7.00	0.00	0.00000
Aqua Capital Management LP) <sup>2</sup>	<u>-14.00</u>	<u>0.00</u>	<u>0.00000</u>
	<u><b>0.00</b></u>	<u><b>0.00</b></u>	<u><b>0.00000</b></u>
<b>TOTAL</b>	<b>10,523.04</b>	<b>46,520.79</b>	<b>23.53881</b>

## APPENDIX L

### EXHIBIT "K" OF JUDGMENT

#### CONSUMPTIVE USE PORTIONS OF PRODUCERS WITH OVERLYING RIGHTS AS OF JUNE 30, 2017

OVERLYING PRODUCER	CONSUMPTIVE USE PORTION (ACRE-FEET)
<b><u>1. Mnoian-Gifford Interests</u></b>	
<b><u>Owner Producers</u></b>	
Paul Mnoian <sup>1</sup>	
Brooks Gifford, Sr. <sup>1</sup>	
Brooks Gifford, Jr. <sup>1</sup>	
John Mgrdichian <sup>1</sup>	
J. Earl Garrett <sup>1</sup>	
Present User: Nu-Way Industries	3.5
<b><u>Producers Under License</u></b>	
William C. Thomas <sup>1</sup>	
Evelyn F. Thomas <sup>1</sup>	
Malcolm K. Gatherer <sup>1</sup>	
Jacqueline Gatherer <sup>1</sup>	
Present User: B & B Red-I-Mix Concrete, Inc.	45.6
Pre-Stress Crane Rigging and Truck, Co., Inc. <sup>1</sup>	1.0
	50.1
<b><u>2. Attalla, Phillip Y. and Mary L.<sup>1</sup></u></b>	29.9
<b><u>3. Citrus Valley Medical Center, Queen of the Valley Campus.<sup>1</sup></u></b>	4.5
(Formerly Queen of the Valley Hospital. <sup>1</sup> )	
<b><u>4. S.L.S &amp; N. Inc.<sup>1</sup></u></b>	--
<b>TOTAL</b>	84.5

1/ Intervenor after Judgment.

2/ Permanent transfer of rights after entry of Judgment.

3/ Permanent transfer of rights as recorded within Exhibits "C", "D", and "E" of Judgment.



## **APPENDIX M**

### **LIST OF PRODUCERS AND THEIR DESIGNEES**

**M**





## APPENDIX M

### LIST OF PRODUCERS AND THEIR DESIGNEES

June 30, 2017

PRODUCER	DESIGNEE
Adams Ranch Mutual Water Company	Victor Ybarra
Alhambra, City of	Mary Chavez
Amarillo Mutual Water Company	John Holzinger
Andrade, Susan	Susan Andrade
Arcadia, City of	Tom Tait
Arcadia Reclamation, Inc.	Robert Bowcock
Azusa, City of	George F. Morrow
Azusa Valley Water Company	George F. Morrow
Bandel Family Trust	Candace Garnier Bandel
Banks, Gale C. and Vicki L.	Gale and Vicki Banks
Brea, City of	William Gallardo
Brondino, Jeanne	Jeanne Brondino
Cadway, Inc.	James M. Byerrum
California-American Water Company (Duarte System)	Tim Miller
California-American Water Company (San Marino System)	Tim Miller
California Domestic Water Company	James M. Byerrum
Canyon Water Company	William McIntyre
Chevron U.S.A.	Leon F. Drozd, Esq.
Citrus Valley Medical Center, Queen of the Valley Campus	John Ramirez
Coiner, James W., dba Coiner Nursery	James W. Coiner
County Sanitation District No. 18 of Los Angeles	Ann Heil
Covina, City of	Brian Saeki
Covina Irrigating Company	David D. De Jesus
Crevolin, A. J.	A. J. Crevolin
CV Santa Rosa Investments, LLC	Bill McReynolds
Dawes, Mary Kay	Mary Kay Partridge
DeFalco, John and Carole	John and Carole DeFalco
Del Rio Mutual Water Company	Dario Herrera
East Pasadena Water Company	Lawrence M. Morales
El Monte, City of	Mike Rodriguez
El Monte Cemetery Association	Garry Hofer
Fox Family Trust Michael Edward Fox and Crystal Marie Fox, Trustees	Michael and Crystal Fox

PRODUCER	DESIGNEE
Garnier Family Trust, Anton C. and Anita Garnier, Ruth Elaine Ailor Trust Gates, James Richard Glendora, City of Golden State Water Company - San Dimas District Golden State Water Company - San Gabriel Valley District Green, Walter	Anton C. and Anita Garnier Renee Garnier Poivre James Richard Gates Steve Patton Patrick Scanlon  Benjamin Lewis, Jr.  James M. Byerrum
Hanson Aggregates West, Inc. Heinrich, Carolyn Hemlock Mutual Water Company	Michael Rogers Carolyn Heinrich Blanca E. Becerra
Industry Waterworks Systems, City of Irwindale, City of	Gregory B. Galindo John Davidson
JUH #1	Reiner Kruger
Kirklen, Jeffery B. Knight, William J., Living Trust	Jeffery B. Kirklen Alison M. Timboe
Landeros, John La Puente Valley County Water District Los Angeles, County of Loucks, David Lovelady, June G., Trustee	John Landeros Gregory B. Galindo Robert Maycumber David Loucks June G. Lovelady
Maggiore Family Trust, The McIntyre, William Metropolitan Water District of Southern California Miller Coors LLC Monrovia, City of Monterey Park, City of Munoz, Ralph E.	Valarie Maggiore William McIntyre Timothy J. Schaad  Courtney Jones Tina Cherry Ron Bow Ralph E. Munoz IV
Nicholson Trust, The Nicholson Family Trust, The	M. L. Whitehead M. L. Whitehead
Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of Pico County Water District Polopolus, et. al Progressive Buddhist Association, The	James M. Byerrum  Mark Grajeda Helen Gaskins Sai A. Myint
Rados Brothers Rosedale, Lucy and Harry Edwin III, Trustees of the Harry E. Rosedale Trust	Les Brown Michele Mulrooney
Rosemead Development LTD. Rurban Homes Mutual Water Company Ruth, Roy	John W Lloyd George W. Bucey Roy Ruth

PRODUCER	DESIGNEE
San Gabriel Country Club	Mark Reed
San Gabriel County Water District	James Prior
San Gabriel Valley Municipal Water District	Darin Kasamoto
San Gabriel Valley Water Company	Michael L. Whitehead
Sierra La Verne Country Club	Donald Johnson
Sierra Madre, City of	Chris Cimino
Sonoco Products Company	Khaleda Hamid
South Pasadena, City of	Paul Toor
Southern California Edison Company	Erika Clement
Southwest Water Company	Michael Quinn
Sterling Mutual Water Company	Joy Ann Burt
Suburban Water Systems	Richard Rich
Sunny Slope Water Company	Ken Tcheng
Tate, Phillip G. and Sieglinde A., Trustees of the Tate Family Trust	Phillip Tate
Three Valleys Municipal Water District	Richard W. Hansen
Tomovich, Nick and Sons	Nick Tomovich
Tran, Hieu	Hieu Tran
Tyler Nursery	Fumiko Kishi
United Rock Products Corporation	Russ Caruso
Upper San Gabriel Valley Municipal Water District	Steven P. O'Neill
Ursey, William B.	William B. Ursey
Valencia Heights Water Company	David P. Michalko
Valley County Water District	Jose Martinez
Valley View Mutual Water Company	Sukie Madrid
Vietnamese American Buddhist Temple Congregation	Thích Viên Ly
Vulcan Materials Company	Robert W. Bowcock
Whittier, City of	David Schickling
Wilmott, Erma M.	Erma M. Wilmott
Workman Mill Investment Company	Jeff Nordschow



## **APPENDIX N**

### **STATUS OF SECTION 28 APPLICATIONS**

## APPENDIX N

### STATUS OF SECTION 28 APPLICATIONS

As of June 30, 2017

Appl. No.	Applicant	Type Appl.	Well Name	Approval Date	Permit #
0001	City of Glendora	New Well	5-E	October 2, 1991	0001-NW-100291
0002	La Puente Valley County Water District	Treatment Facility	2, 3, 4	November 6, 1991	0002-TR-110691
0003	Southern California Water Company	New Well	Saxon 4	February 19, 1992	0003-NW-021992
0004	California Domestic Water Company	Destroy Well	2	February 19, 1992	0004-DW-021992
0005	California Domestic Water Company	New Well	2A	February 19, 1992	0005-NW-021992
0006	San Gabriel Valley Water Company	Treatment Facility	B11B	February 5, 1992	0006-TR-020592
0007	Sterling Mutual Water Company	New Well	New South	Withdrawn	--
0008	Suburban Water Systems	Destroy Well	149W-1	June 3, 1992	0008-DW-060392
0009	City of Alhambra	New Well	17	Withdrawn	--
0010	California-American Water Company (San Marino)	New Well	Hall	November 2, 1994	0010-NW-110294
0011	Suburban Water Systems	Destroy Well	135W-1	September 2, 1992	0011-DW-090292
0012	California-American Water Company (Duarte)	New Well	Encanto	Withdrawn	--
0013	California-American Water Company (Duarte)	New Well	Las Lomas	Withdrawn	--
0014	San Gabriel Valley Water Company	Treatment Facility	B7C	January 6, 1993	0014-TR-010693
0015	Suburban Water Systems	Destroy Well	152W-1	January 6, 1993	0015-DW-010693
0016	Suburban Water Systems	Destroy Well	111W-1	November 4, 1992	0016-DW-110492
0017	Suburban Water Systems	Destroy Well	112W-1	February 3, 1993	0017-DW-020393
0018	California-American Water Company (Duarte)	Destroy Well	Las Lomas	May 5, 1993	0018-DW-050593
0019	Suburban Water Systems	Destroy Well	124W-1	April 7, 1993	0019-DW-040793
0020	South Covina Water Service	Destroy Well	102W-1	April 7, 1993	0020-DW-040793
0021	South Covina Water Service	Destroy Well	102W-2	April 7, 1993	0021-DW-040793
0022	Suburban Water Systems	New Well	140W-5	Withdrawn	--
0023	California Domestic Water Company	Treatment Facility	3	July 7, 1993	0023-TR-070793
0024	Suburban Water Systems	Destroy Well	101W-1	August 4, 1993	0024-DW-080493
0025	Suburban Water Systems	Destroy Well	106W-1	August 4, 1993	0025-DW-080493
0026	Southern California Water Company (San Dimas)	New Well	Malone 2	November 10, 1993	0026-NW-111093
0027	San Gabriel Valley Water Company	Treatment Facility	B6C	November 10, 1993	0027-TR-111093
0028	San Gabriel Valley Water Company	Treatment Facility	B6D	November 10, 1993	0028-TR-111093
0029	Southern California Water Company (San Dimas)	New Well	Cienega	April 6, 1994	0029-NW-040694
0030	San Gabriel Valley Water Company	New Well	1E	April 6, 1994	0030-NW-040694
0037	Suburban Water Systems	Destroy Well	103W-1	June 1, 1994	0037-DW-060194
0038	Suburban Water Systems	Destroy Well	113W-1	June 1, 1994	0038-DW-060194
0039	Suburban Water Systems	Destroy Well	142W-1	June 1, 1994	0039-DW-060194
0040	Suburban Water Systems	Destroy Well	157W-1	June 1, 1994	0040-DW-060194
0041	Cedar Avenue Mutual Water Company	Destroy Well	1-South	November 2, 1994	0041-DW-110294
0042	Cedar Avenue Mutual Water Company	Destroy Well	2-North	November 2, 1994	0042-DW-110294
0043	Valley County Water District	Well Modification	Big Dalton	March 1, 1995	0043-MW-030195
0044	Valley County Water District	Treatment Facility	Big Dalton	March 1, 1995	0044-TR-030195
0045	County of Los Angeles	Destroy Well	3	September 6, 1995	0045-DW-090695
0046	County of Los Angeles	New Well	3A	February 7, 1996	0046-NW-020796

Appl. No.	Applicant	Type Appl.	Well Name	Approval Date	Permit #
0047	La Puente Valley County Water District	Treatment Facility	2, 3, 4	August 2, 1995	0047-TR-080295
0048	City of El Monte	Well Modification	10	Withdrawn	--
0049	City of El Monte	Treatment Facility	10	Withdrawn	(See 0134-TR-060502)
0050	City of Monrovia	Treatment Facility	1, 2	November 1, 1995	0050-TR-110195
0051	Suburban Water Systems	Destroy Well	139W-1	Withdrawn	(See 0110-DW-110399)
0052	Suburban Water Systems	New Well	139W-6	January 3, 1996	0052-NW-010396
0053	Sunny Slope Water Company	New Well	13	February 7, 1996	0053-NW-020796
0054	California Domestic Water Company	New Well	14	April 3, 1996	0054-NW-040396
0055	California Domestic Water Company	Treatment Facility	2, 3, 5A, 6, 8	April 3, 1996	0055-TR-040396
0056	Suburban Water Systems	Destroy Well	120W-1	May 1, 1996	0056-DW-050196
0057	Suburban Water Systems	Destroy Well	122W-1	May 1, 1996	0057-DW-050196
0058	Suburban Water Systems	Destroy Well	123W-1	June 5, 1996	0058-DW-060596
0059	Southern California Water Company (San Dimas)	Destroy Well	Malone 2	May 1, 1996	0059-DW-050196
0060	San Gabriel Valley Water Company	New Well	B5D	July 3, 1996	0060-NW-070396
0061	Suburban Water Systems	New Well	201W-7	April 2, 1997	0061-NW-040297
0062	City of Alhambra	Treatment Facility	7, 11	April 2, 1997	0062-TR-040297
0063	City of El Monte	Treatment Facility	12	August 6, 1997	0063-TR-080697
0064	City of Monrovia	New Well	6	July 2, 1997	0064-NW-070297
0065	City of Monrovia	Destroy Well	1	Withdrawn	(See 0172-DW-030304)
0066	Suburban Water Systems	Destroy Well	131W-1	October 8, 1997	0066-DW-100897
0067	Suburban Water Systems	Destroy Well	133W-1	October 8, 1997	0067-DW-100897
0068	Suburban Water Systems	Destroy Well	134W-1	March 4, 1998	0068-DW-030498
0069	Suburban Water Systems	Destroy Well	148W-1	March 4, 1998	0069-DW-030498
0070	County of Los Angeles	Destroy Well	4	Withdrawn	(See 0236-DW-020310)
0071	San Gabriel Valley Water Company	Treatment Facility	B4B and B4C	January 7, 1998	0071-TR-010798
0072	Southern California Water Company (San Gabriel Valley)	Treatment Facility	Encinita 1	January 7, 1998	0072-TR-010798
0073	San Gabriel Valley Water Company	Treatment Facility	B5A and B5B	May 1, 1998	0073-TR-050198
0074	Corcoran Bros.	Destroy Well	--	May 1, 1998	0074-DW-050198
0075	San Gabriel Valley Water Company	New Well	G4B	Withdrawn	--
0076	San Gabriel Valley Water Company	Emergency Exemption	8F	August 5, 1998	0076-NW-080598
0077	San Gabriel Valley Water Company	Treatment Facility	8B, 8C, 8D	August 5, 1998	0077-TR-080598
0078	City of El Monte	Treatment Facility	2A	July 1, 1998	0078-TR-070198
0079	Adams Ranch Mutual Water Company	New Well	3	October 7, 1998	0079-NW-100798
0080	Adams Ranch Mutual Water Company	Destroy Well	1	Withdrawn	--
0081	Ralph Covell	New Well	--	Withdrawn	--
0082	Ralph Covell	Destroy Well	--	Withdrawn	--
0083	City of Monterey Park	Treatment Facility	5	December 9, 1998	0083-TR-120998
0084	City of Monterey Park	Treatment Facility	12	December 9, 1998	0084-TR-120998 (See 0149-TR-020503)
0085	City of Glendora	New Well	13-E	December 9, 1998	0085-NW-120998
0086	Valencia Heights Water Company	New Well	6	February 3, 1999	0086-NW-020399
0087	Valencia Heights Water Company	New Well	7	February 3, 1999	0087-NW-020399
0088	Valencia Heights Water Company	Destroy Well	1	Withdrawn	--
0089	Valencia Heights Water Company	Destroy Well	2	February 3, 1999	0089-DW-020399
0090	Valencia Heights Water Company	Destroy Well	3A	February 3, 1999	0090-DW-020399
0091	San Gabriel County Water District	Destroy Well	6	November 4, 1998	0091-DW-110498
0092	Suburban Water Systems	Destroy Well	Maple 1	December 9, 1998	0092-DW-120998
0093	Suburban Water Systems	Destroy Well	Maple 2	December 9, 1998	0093-DW-120998
0094	City of Monterey Park	Destroy Well	2	April 7, 1999	0094-DW-040799



Appl. No.	Applicant	Type Appl.	Well Name	Approval Date	Permit #
0095	Suburban Water Systems	Treatment Facility	139W-6	June 2, 1999	0095-TR-060299
0096	Suburban Water Systems	Treatment Facility	140W-4	May 12, 1999	0096-TR-051299
0097	City of El Monte	Destroy Well	5	April 7, 1999	0097-DW-040799
0098	Suburban Water Systems	Destroy Well	151W-1	May 12, 1999	0098-DW-051299
0099	Suburban Water Systems	Destroy Well	154W-1	Withdrawn	(See 0167-DW-020404)
0100	La Puente Valley County Water District	Treatment Facility	Well 3	July 7, 1999	0100-TR-070799
0101	Richwood Mutual Water Company	Destroy Well	1 South	June 2, 1999	0101-DW-060299
0102	Richwood Mutual Water Company	Destroy Well	2 North	June 2, 1999	0102-DW-060299
0103	California-American Water Company (San Marino)	New Well	Richardson 3	Withdrawn	--
0104	California-American Water Company (San Marino)	Destroy Well	Richardson 1	Withdrawn	--
0105	California-American Water Company (San Marino)	Destroy Well	Richardson 2	Withdrawn	--
0106	Tevis Hill	New Well	--	Withdrawn	--
0107	City of Arcadia	Destroy Well	St. Joseph 1	November 3, 1999	0107-DW-110399
0108	City of Arcadia	New Well	St. Joseph 2	November 3, 1999	0108-NW-110399
0109	Suburban Water Systems	Destroy Well	114W-1	Withdrawn	(See 0205-DW-051408)
0110	Suburban Water Systems	Destroy Well	139W-1	November 3, 1999	0110-DW-110399
0111	Suburban Water Systems	Destroy Well	139W-2	Withdrawn	--
0112	California-American Water Company (San Marino)	New Well	Richardson 3	Withdrawn	--
0113	California-American Water Company (San Marino)	Treatment Facility	Ivar Well 1	Withdrawn	(See 0170-DW-010704)
0114	Azusa Light and Water	New Well	11	October 4, 2000	0114-NW-100400
0115	Azusa Light and Water	New Well	12	October 4, 2000	0115-NW-100400
0116	City of Whittier	Destroy Well	12	October 4, 2006	0116-DW-100406
0117	San Gabriel Valley Water Company	Treatment Facility	G4A	May 3, 2000	0117-TR-050300
0118	City of Monterey Park	New Well	15	August 2, 2000	0118-NW-080200
0119	San Gabriel Valley Water Company	Treatment Facility	B5B	Withdrawn	(See 0165-TR-010704)
0120	San Gabriel Valley Water Company	Treatment Facility	B6C, B6D	December 6, 2000	0120-TR-120600
0121	Workman Mill Investment Company	New Well	--	December 6, 2000	0121-NW-120600
0122	California Domestic Water Company	New Well	7	Withdrawn	--
0123	California Domestic Water Company	Treatment Facility	Bassett Wellfield	June 6, 2001	0123-TR-060601
0124	Southern California Water Company (San Gabriel Valley)	Treatment Facility	San Gabriel 1 San Gabriel 2	July 5, 2001	0124-TR-070501
0125	California-American Water Company (San Marino)	Treatment Facility	Ivar Well 1	Withdrawn	(See 0170-DW-010704)
--	City of Whittier	Emergency Exemption	17, 18	March 7, 2001	--
0126	City of Monterey Park	Modify Well	7	January 2, 2002	0126-MW-010202
0127	City of Monterey Park	Modify Well	8	January 2, 2002	0127-MW-010202
0128	City of Monterey Park	Modify Well	9	January 2, 2002	0128-MW-010202
0129	San Gabriel Valley Water Company	New Well	1F	December 5, 2001	0129-NW-120501
--	San Gabriel Valley Water Company	Emergency Exemption	1C	December 5, 2001	--
0130	Valley County Water District	New Well	SA1-1	August 7, 2002	0130-NW-080702
0131	Valley County Water District	New Well	SA1-2	August 7, 2002	0131-NW-080702
0132	Valley County Water District	Modify Well	Lante	August 7, 2002	0132-MW-080702
0133	Valley County Water District	Treatment Facility	SA1-1, SA1-2, Lante	August 7, 2002	0133-TR-080702
0134	City of El Monte	Treatment Facility	10	June 5, 2002	0134-TR-060502
0135	San Gabriel Valley Water Company	New Well	SA3-1A	May 1, 2002	0135-NW-050102

Appl. No.	Applicant	Type Appl.	Well Name	Approval Date	Permit #
0136	San Gabriel Valley Water Company	New Well	SA3-1B	May 1, 2002	0136-NW-050102
0137	San Gabriel Valley Water Company	New Well	SA3-2A	May 1, 2002	0137-NW-050102
0138	San Gabriel Valley Water Company	New Well	SA3-2B	May 1, 2002	0138-NW-050102
0139	Suburban Water Systems	Destroy Well	105W-1	August 7, 2002	0139-DW-080702
0140	Suburban Water Systems	Destroy Well	136W-1	July 10, 2002	0140-DW-071002
0141	Suburban Water Systems	Destroy Well	150W-1	July 10, 2002	0141-DW-071002
0142	Beverly Acres Mutual Water Users Association	Destroy Well	Rose Hills	August 7, 2002	0142-DW-080702
0143	Suburban Water Systems	Emergency Exemption	Well at Plant 121	June 5, 2002	0143-NW-060502
0144	Suburban Water Systems	Emergency Exemption	Well at Plant 142	June 5, 2002	0144-NW-060502
0145	Suburban Water Systems	Treatment Facility	147W-3	October 2, 2002	0145-TR-100202
0146	San Gabriel Valley Water Company	Destroy Well	B6B	August 7, 2002	0146-DW-080702
0147	San Gabriel Valley Water Company	New Well	B11C	May 14, 2003	0147-NW-051403
0148	City of Monterey Park	Treatment Facility	1, 3, 10	May 14, 2003	0148-TR-051403
0149	City of Monterey Park	Treatment Facility	9, 12, 15	February 5, 2003	0149-TR-020503
0150	Valley County Water District	Treatment Facility	Clinton O. Nixon East Clinton O. Nixon West	May 14, 2003	0150-TR-051403
0151	San Gabriel Valley Water Company	New Well	B24A	July 2, 2003	0151-NW-070203
0152	San Gabriel Valley Water Company	New Well	B24B	July 2, 2003	0152-NW-070203
0153	San Gabriel Valley Water Company	Treatment Facility	B24A, B24B	July 2, 2003	0153-TR-070203
0154	Suburban Water Systems	New Well	201W-8	August 6, 2003	0154-NW-080603
0155	Suburban Water Systems	New Well	201W-9	August 6, 2003	0155-NW-080603
0156	Suburban Water Systems	New Well	201W-10	August 6, 2003	0156-NW-080603
0157	Southern California Water Company (San Dimas)	Treatment Facility	Columbia 4, Columbia 6	August 6, 2003	0157-TR-080603
0158	Southern California Water Company (San Dimas)	Treatment Facility	Artesia 3, Baseline 3, Baseline 4	August 6, 2003	0158-TR-080603
0159	Southern California Water Company (San Dimas)	Destroy Well	Gidley 1	August 6, 2003	0159-DW-080603
0160	Southern California Water Company (San Dimas)	Destroy Well	Gidley 2	August 6, 2003	0160-DW-080603
0161	Vietnamese-American Buddhist Temple Congregation	New Well	Temple Well	November 3, 2004	0161-NW-110304
0162	Suburban Water Systems	Destroy Well	155W-2	November 5, 2003	0162-DW-110503
0163	Suburban Water Systems	Destroy Well	155W-1	Withdrawn	--
0164	Suburban Water Systems	Destroy Well	114W-1	Withdrawn	(See 0205-DW-051408)
0165	San Gabriel Valley Water Company	Treatment Facility	B5	January 7, 2004	0165-TR-010704
0166	San Gabriel Valley Water Company	New Well	B5E	January 7, 2004	0166-NW-010704
0167	Suburban Water Systems	Destroy Well	154W-1	February 4, 2004	0167-DW-020404
0168	Suburban Water Systems	Destroy Well	201W-1	December 10, 2003	0168-DW-121003
0169	Southern California Water Company (San Dimas)	New Well	Highway 2	July 7, 2004	0169-NW-070704
0170	California-American Water Company (San Marino)	Destroy Well	Ivar 1	January 7, 2004	0170-DW-010704
0171	California-American Water Company (San Marino)	Destroy Well	Ivar 2	January 7, 2004	0171-DW-010704
0172	City of Monrovia	Destroy Well	1	March 3, 2004	0172-DW-030304
0173	City of Azusa	Destroy Well	Genesis 3	April 7, 2004	0173-DW-040704
0174	Azusa Valley Water Company	Destroy Well	Well 1	April 7, 2004	0174-DW-040704
0175	Azusa Valley Water Company	Destroy Well	Well 2	May 12, 2004	0175-DW-051204

Appl. No.	Applicant	Type Appl.	Well Name	Approval Date	Permit #
0176	California-American Water Company (Duarte)	Destroy Well	Mountain Avenue	August 4, 2004	0176-DW-080404
0177	Clayton Industries	Destroy Well	Well 2	September 1, 2004	0177-DW-090104
0178	San Gabriel Valley Water Company	New Well	2F	October 6, 2004	0178-NW-100604
0179	Suburban Water Systems	Destroy Well	201W-3	June 2, 2004	0179-DW-060204
0180	City of South Pasadena	Modify Well	Wilson 2	March 2, 2005	0180-MW-030205
0181	City of Azusa	Destroy Well	Genesis 1	February 2, 2005	0181-DW-020205
0182	DeFalco, John	New Well	--	March 2, 2005	0182-NW-030205
0183	City of Monrovia	Treatment Facility	3, 4, 5	July 6, 2005	0183-TR-070605
0184	Monrovia Nursery	Destroy Well	Well 1	July 6, 2005	0184-DW-070605
0185	CEMEX California Aggregates, Inc.	Destroy Well	Well 2 (AZ 2)	December 7, 2005	0185-DW-120705
0186	City of Alhambra	Treatment Facility	7, 8, 11 & 12	June 7, 2006	0186-TR-060706
0187	Quoss, Edward	New Well	--	May 3, 2006	0187-NW-050306
0188	City of El Monte	Destroy Well	Mountain View	May 3, 2006	0188-DW-050306
0189	California Domestic Water Company	New Well	Well 10	June 5, 2006	0189-NW-070506
0190	Durfee Property, LLC	Destroy Well	Well 14	Withdrawn	--
0191	San Gabriel Valley Water Company	Treatment Facility	B7	Pending	--
0192	San Gabriel Valley Water Company	New Well	IZ-1	Pending	--
0193	San Gabriel Valley Water Company	New Well	IZ-2	Pending	--
0194	San Gabriel Valley Water Company	New Well	IZ-EAST	Pending	--
0195	San Gabriel Valley Water Company	New Well	MZ-1	Pending	--
0196	San Gabriel Valley Water Company	New Well	MZ-2	Pending	--
0197	San Gabriel Valley Water Company	New Well	MZ-3	Pending	--
0198	Suburban Water Systems	New Well	151 W-2	October 4, 2006	0198-NW-100406
0199	San Gabriel Valley Water Company	Destroy Well	2C	Withdrawn	--
0200	Golden State Water Company (San Gabriel Valley)	Destroy Well	Saxon 1	August 1, 2007	0200-DW-080107
0201	La Puente Valley County Water District	New Well	5	November 7, 2007	0201-NW-110707
0202	San Gabriel Valley Water Company	Treatment Facility	Plant 8	Withdrawn	--
0203	San Gabriel Valley Water Company	New Well	11D	April 2, 2008	0203-NW-040208
0204	San Gabriel Valley Water Company	Destroy Well	B1	Pending	--
0205	Suburban Water Systems	Destroy Well	114W-1	May 14, 2008	0205-DW-051408
0206	Suburban Water Systems	Destroy Well	140W-2	June 4, 2008	0206-DW-060408
0207	Suburban Water Systems	Destroy Well	155W-1	Withdrawn	--
0208	Suburban Water Systems	Destroy Well	201 W-2	June 4, 2008	0208-DW-060408
0209	Suburban Water Systems	Destroy Well	201 W-6	June 4, 2008	0209-DW-060408
0210	City of Arcadia	New Well	Longley 3	August 6, 2008	0210-NW-080608
0211	City of Arcadia	New Well	Camino Real 3	August 6, 2008	0211-NW-080608
0212	City of Arcadia	New Well	Camino Real 4	August 6, 2008	0212-NW-080608
0213	San Gabriel Valley Water Company	Treatment Facility	Plant 11	April 2, 2008	0213-TR-040208
0214	Suburban Water Systems	Destroy Well	Plant 110	May 14, 2008	0214-DW-051408
0215	California-American Water Company (Duarte)	New Well	Buena Vista 2	August 6, 2008	0215-NW-080608
0216	City of Arcadia	Destroy Well	Camino Real 2	August 6, 2008	0216-DW-080608
0217	Golden State Water Company - San Dimas District	Destroy Well	Columbia 1	October 1, 2008	0217-DW-100108
0218	Golden State Water Company - San Dimas District	Destroy Well	Columbia 2	October 1, 2008	0218-DW-100108
0219	City of El Monte	Treatment Facility	13	December 10, 2008	0219-TR-121008
0220	Tran, Hieu & Binh	New Well	--	Withdrawn	--
0221	Golden State Water Company (San Dimas)	Destroy Well	Artesia 2	March 4, 2009	0221-DW-030409

Appl. No.	Applicant	Type Appl.	Well Name	Approval Date	Permit #
0222	Golden State Water Company (San Gabriel Valley)	New Well	Garvey 3	March 4, 2009	0222-NW-030409
0223	Golden State Water Company (San Gabriel Valley)	Treatment Facility	Garvey 3	March 4, 2009	0223-TR-030409
0224	Golden State Water Company (San Gabriel Valley)	Destroy Well	Earle	January 6, 2010	0224-DW-010610
0225	Golden State Water Company (San Gabriel Valley)	Destroy Well	Garvey 1	July 1, 2009	0225-DW-070109
0226	Golden State Water Company (San Gabriel Valley)	Destroy Well	Garvey 2	July 1, 2009	0226-DW-070109
0227	Golden State Water Company (San Gabriel Valley)	Destroy Well	Unnamed	July 1, 2009	0227-DW-070109
0228	City of Arcadia	Destroy Well	Camino Real 1	October 7, 2009	0228-DW-100709
0229	City of Arcadia	Destroy Well	Longley 2	October 7, 2009	0229-DW-100709
0230	City of El Monte	New Well	DEW-1	October 7, 2009	0230-NW-100709
0231	City of El Monte	New Well	DEW-2	October 7, 2009	0231-NW-100709
0232	City of El Monte	New Well	DEW-3	October 7, 2009	0232-NW-100709
0233	City of El Monte	Treatment Facility	--	October 7, 2009	0233-TR-100709
0234	County of Los Angeles	Destroy Well	2	February 3, 2010	0234-DW-020310
0235	County of Los Angeles	Destroy Well	3A	February 3, 2010	0235-DW-020310
0236	County of Los Angeles	Destroy Well	4	February 3, 2010	0236-DW-020310
0237	County of Los Angeles	Destroy Well	5	February 3, 2010	0237-DW-020310
0238	County of Los Angeles	Destroy Well	6	February 3, 2010	0238-DW-020310
0239	City of Glendora	New Well	14	February 3, 2010	0239-NW-020310
0240	Suburban Water Systems	Destroy Well	201W-5	May 12, 2010	0240-DW-051210
0241	Gates, James Richard	New Well	Gates Well 1	July 7, 2010	0241-NW-070710
0242	Golden State Water Company (San Gabriel Valley)	Destroy Well	Graydon 1	December 12, 2012	0242-DW-121212
0243	Golden State Water Company (San Gabriel Valley)	Destroy Well	Graydon 2	Withdrawn	--
0244	Golden State Water Company (San Gabriel Valley)	Destroy Well	Jeffries 3	December 12, 2012	0244-DW-121212
0245	East Pasadena Water Company	New Well	11	November 3, 2010	0245-NW-110310
0246	Hale, Richard	New Well	--	Withdrawn	--
0247	Kolawa, Adam	New Well	--	Withdrawn	--
0248	California-American Water Company (San Marino)	New Well	Richardson 3	March 6, 2013	0248-NW-030613
0249	California-American Water Company (San Marino)	Destroy Well	Richardson 1	March 6, 2013	0249-DW-030613
0250	Covina Irrigating Company	Treatment Facility	BP Pumping Plant	April 4, 2012	0250-TR-040412
0251	Hieu Tran	New Well	Tran	May 2, 2012	0251-NW-050212
0252	Ralph Munoz	New Well	Munoz	June 6, 2012	0252-NW-060612
0253	San Gabriel County Water District	New Well	15	July 3, 2012	0253-NW-070312
0254	San Gabriel County Water District	Destroy Well	11	Pending	--
0255	San Gabriel County Water District	Destroy Well	7	July 3, 2012	0255-DW-070312
0256	San Gabriel County Water District	New Well	16	Pending	--
0257	City of Glendora	Destroy Well	1-E	October 3, 2012	257-DW-100312
0258	Golden State Water Company (San Dimas)	Destroy Well	Columbia 8	Withdrawn	--
0259	California-American Water Company (San Marino)	Treatment Facility	Richardson 3	March 6, 2013	0259-TR-030613

Appl. No.	Applicant	Type Appl.	Well Name	Approval Date	Permit #
0260	California-American Water Company (Duarte)	New Well	Lemon	July 10, 2013	0260-NW-071013
0261	City of El Monte	Treatment Facility	3	May 14, 2014	0261-TR-051414
0262	San Gabriel Valley Water Company	New Well	B24C	November 6, 2013	0262-NW-110613
0263	California-American Water Company (Duarte)	Destroy Well	Crownhaven 1	June 4, 2014	0263-DW-060414
0264	California-American Water Company (Duarte)	New Well	Crownhaven 2	June 4, 2014	0264-NW-060414
0265	Valley County Water District	New Well	Lante	October 1, 2014	0265-NW-100114
0266	City of Arcadia	Destroy Well	Baldwin 2	Withdrawn	--
0267	Vulcan Materials Co.	Destroy Well	Durbin West	December 9, 2014	0267-DW-120914
0268	Vulcan Materials Co.	Destroy Well	Durbin East	December 9, 2014	0268-DW-120914
0269	San Gabriel Valley Water Company	Destroy Well	B8	February 4, 2015	0269-DW-020415
0270	California-American Water Company (San Marino)	Destroy Well	Blue Ribbon 2	August 5, 2015	0270-DW-080515
0271	California-American Water Company (San Marino)	Destroy Well	Blue Ribbon 1	August 5, 2015	0271-DW-080515
0272	Southern California Edison Company	Destroy Well	Murata	September 2, 2015	0272-DW-090215
0273	Southern California Edison Company	Destroy Well	2EB76	September 2, 2015	0273-DW-090215
0274	Covina Irrigating Company	Destroy Well	Contract Well	September 2, 2015	0274-DW-090215
0275	San Gabriel Valley Water Company	Destroy Well	B7A	January 6, 2016	0275-DW-010616
0276	San Gabriel Valley Water Company	Destroy Well	B7B	January 6, 2016	0276-DW-010616
0277	San Gabriel Valley Water Company	Destroy Well	B7C	January 6, 2016	0277-DW-010616
0278	San Gabriel Valley Water Company	Destroy Well	B7D	January 6, 2016	0278-DW-010616
0279	San Gabriel Valley Water Company	Destroy Well	B9A	January 6, 2016	0279-DW-010616
0280	San Gabriel Valley Water Company	Destroy Well	B11A	January 6, 2016	0280-DW-010616
0281	San Gabriel Valley Water Company	Destroy Well	B11B	January 6, 2016	0281-DW-010616
0282	The Progressive Buddhist Association	New Well	Association	April 6, 2016	0282-NW-040616
0283	San Gabriel Valley Water Company	Destroy Well	12	April 6, 2016	0283-DW-040616
0284	San Gabriel Valley Water Company	Destroy Well	1	April 6, 2016	0284-DW-040616
0285	San Gabriel Valley Water Company	Destroy Well	2	April 6, 2016	0285-DW-040616
0286	San Gabriel Valley Water Company	Destroy Well	3	April 6, 2016	0286-DW-040616
0287	Arcadia Reclamation Inc.	New Well	ARI Well	March 1, 2017	0287-NW-030117
0288	California American Water	Destroy Well	Guess Well	Pending	--

**APPENDIX O**

**SUMMARY OF TREATMENT FACILITY ACTIVITY  
IN THE  
MAIN SAN GABRIEL BASIN**



# APPENDIX O

## SUMMARY OF TREATMENT FACILITY ACTIVITY IN THE MAIN SAN GABRIEL BASIN AS OF JUNE 30, 2017

Operable Unit	Treatment Facility Owner	Treatment Facility(s)	Start Date 1/	Total Water Treated		Total Contaminants Removed	
				Fiscal Year 2016-17 (Acre-feet)	Accum. Total (Acre-feet)	Fiscal Year 2016-17 (Pounds)	Accum. Total (Pounds)
AREA 3							
BPOU	ALHAMBRA, CITY OF	Well No. 7	July 2001	—	7,582.35	—	130.1
		Well No. 7, 8, 11 & 12	April 2009	772.00	24,626.80	36.9	805.5
BPOU	CALIFORNIA DOMESTIC WATER COMPANY	Well No. 3, Well No. 5A Well No. 6, & Well No. 10	September 1993 April 1997	14,542.29	340,696.76	1,200.8	16,166.6
	LA PUENTE VALLEY COUNTY WATER DISTRICT	Well No. 2, 3 & 4 Well No. 2, 3 & 5 (BPOU)	August 1992 January 2000	— 3,516.95	11,493.13 56,581.84	— 284.5	826.9 10,869.0
	SAN GABRIEL VALLEY WATER COMPANY	Well B6C 5/	April 1994	—	5,194.17	—	856.2
		Well B6D 5/	April 1994	—	14,526.27	—	421.7
		Plant B5 (BPOU)	January 2007	9,626.43	105,543.00	322.0	4,296.3
		Plant B6 (BPOU)	September 2004	10,146.03	101,714.84	1,879.6	20,429.3
	VALLEY COUNTY WATER DISTRICT	Lante Lante, SA1-1 & SA1-2 (BPOU)	June 1984 December 2004	— 3,339.04	7,719.61 70,733.64	— 630.4	10,356.7 41,206.8
EMOU							
EMOU	ADAMS RANCH MUTUAL WATER COMPANY	Well No. 3 5/	November 2003	—	881.58	—	32.7
	HERMETIC SEAL CORPORATION	Hermetic Seal	May 2012	53.07	301.12	4.9	27.0
	GOULD AND JOHNSON CONTROLS	EMOU (Deep Zone)	October 2015	789.46	1,164.84	35.7	53.1
		EMOU (Shallow Zone)	October 2015	43.09	79.14	8.0	18.3
	GOLDEN STATE WATER COMPANY (SGV)	Encinita No. 1, 2 & 3	April 1998	1,587.19	26,202.24	41.0	621.6
PVOU							
PVOU	BDP - CARRIER	Carrier	April 1988	77.95	6,718.02	5.5	2,837.0
SEMOU							
SEMOU	MONTEREY PARK, CITY OF	Well No. 5	September 1999	568.63	17,716.51	36.3	1,314.1
		Well No. 9 & 12, 15	April 2002	5,744.48	73,122.49	1,093.0	12,277.6
	SAN GABRIEL VALLEY WATER COMPANY	Well 8B, 8C, 8D & 8E	August 2002	2,261.69	41,544.15	495.0	5,896.9
	GOLDEN STATE WATER COMPANY (SGV)	San Gabriel No.1 & 2	November 2001	1,573.32	19,611.42	35.0	577.1
WNOU							
WNOU	EPA	WNOU (Shallow Zone) 5/	December 1999	—	30,065.52	—	1,618.9
	SAN GABRIEL VALLEY WATER COMPANY	WNOU (Intermediate Zone) 2/	December 2005	3,408.80	49,629.13	36.6	1,783.2
PRODUCER FACILITY							
PRODUCER FACILITY	ARCADIA, CITY OF	Longden 1 & 2	January 1985	211.74	70,219.44	1.0	739.9
	BOZUNG	Well B36, F38, F39 & BC34 3/	October 1994	—	233.00	—	131.3
	EL MONTE, CITY OF	Well No. 12	February 1997	230.19	15,801.15	37.3	1,037.8
		Well No. 10 5/	May 2004	—	6,380.82	—	43.4
		Well No. 2A	July 1999	1,600.24	9,613.61	13.7	137.3
	EPA	Richwood (North Well) 4/ Richwood (South Well) 4/	April 1990 April 1990	—	451.98	—	5.8
	GOLDEN STATE WATER COMPANY (SD)	Art 2 & 3, Base 3 & 4, Hwy 1	May 2005	1,208.77	18,363.08	26.2	341.8
GOLDEN STATE WATER COMPANY (SGV)	Garvey No. 3	June 2016	511.25	622.29	4.2	5.3	



Operable Unit	Treatment Facility Owner	Treatment Facility(s)	Start Date 1/	Total Water Treated		Total Contaminants Removed	
				Fiscal Year 2016-17 (Acre-feet)	Accum. Total (Acre-feet)	Fiscal Year 2016-17 (Pounds)	Accum. Total (Pounds)
	HEMLOCK MUTUAL WATER COMPANY	Hemlock (North Well) 5/ Hemlock (South Well) 5/	April 1986 April 1986	—	2,553.65	—	44.6
	MONROVIA, CITY OF	Wells No. 2 & 6 Wells No. 3, 4 & 5	March 1996 October 2007	2,106.48 1,953.77	45,300.50 17,414.11	67.9 23.3	889.0 159.3
	MONTEREY PARK, CITY OF	Well No. 1, 3, 10 & Fern	June 2004	1,266.59	27,126.36	25.6	1,667.3
	SAN GABRIEL VALLEY WATER COMPANY	Well 11B Well B11B Well B7C 6/ Well B4B & B4C Well G4A	March 1991 March 1993 March 1993 January 1999 December 2005	1.49 982.81 — — 186.86	44,883.73 47,137.04 46,711.28 24,093.04 4,163.96	0.0 57.9 — — 3.1	319.7 3,180.1 1,824.2 1,233.5 65.2
	SUBURBAN WATER SYSTEMS	Well No. 140W-4 5/	May 2001	—	2,247.59	—	16.2
	VALLEY COUNTY WATER DISTRICT	Maine East & West Nixon East & West	June 1990 January 2004	2,749.89 4,106.52	52,434.23 45,449.95	28.2 33.7	1,805.1 299.3
	WATER QUALITY AUTHORITY	Arrow (Project No. 1) 5/ Big Dalton (Project No. 2) 5/ Whitmore Street SEMOU	February 1992 March 1997 January 2008 July 1999	— — 16.66 —	7,250.41 1,229.02 298.08 3,885.19	— — 9.2 —	17,423.0 82.5 170.4 1,558.5
			TOTAL	75,183.68	1,507,312.08	6,476.5	166,603.1

Footnotes:

1/ From date of beginning of operation.

2/ Previously operated by City of Whittier from December 2005 to May 2013.

3/ Treatment facility has been permanently dismantled.

4/ Wells destroyed in June 1999.

5/ Wellfield no longer pumps to treatment facility.

6/ Well destroyed in October 2016

**APPENDIX P**

**HISTORY OF ANNUAL  
WATERMASTER ASSESSMENTS**



## APPENDIX P

### HISTORY OF ANNUAL WATERMASTER ASSESSMENTS (Dollars Per Acre-foot, Except Where Indicated)

Fiscal Year 1/	Administration 2/	Special Administration 3/	Make-up 4/	In-lieu 5/	Water Resource Development 6/	Replacement 7/	Delinquent Payment Interest Rate
1971-72	\$0.20	--	--	--	--	--	--
1972-73	\$0.35	--	--	--	--	--	--
1973-74	\$0.33	--	\$0.05	--	--	\$30.00	10.00%
1974-75	\$0.33	--	\$0.45	--	--	\$43.00	10.00%
1975-76	\$0.45	--	\$2.30	--	--	\$42.00	10.00%
1976-77	\$0.45	--	\$7.50	--	--	\$41.00	10.00%
1977-78	\$0.45	--	\$3.50	--	--	\$48.00	10.00%
1978-79	\$0.90	--	\$3.50	--	--	\$48.00	10.00%
1979-80	\$1.10	--	\$12.00	--	--	\$53.00	12.00%
1980-81	\$1.27	--	\$10.00	--	--	\$60.00	21.50%
1981-82	\$1.27	--	\$10.00	--	--	\$61.00	16.00%
1982-83	\$1.27	--	\$9.00	--	--	\$100.00	11.50%
1983-84	\$2.57	--	\$9.00	--	--	\$153.00	14.00%
1984-85	\$2.00	--	\$5.00	--	--	\$148.00	10.50%
1985-86	\$2.42	--	\$1.00	--	--	\$153.00	10.00%
1986-87	\$2.00	--	\$0.50	--	--	\$153.00	10.00%
1987-88	\$2.50	--	\$2.00	--	--	\$153.00	10.00%
1988-89	\$6.00	--	\$3.00	--	--	\$115.00	11.50%
1989-90	\$6.00	\$3.00	\$3.00	\$0.60	--	\$115.00	11.00%
1990-91	\$11.00	\$5.00	\$3.00	\$0.30	--	\$136.50	8/ 10.00%
						\$115.00	9/
						\$132.00	10/
1991-92	\$12.50	\$5.00	\$1.50	\$0.30	--	\$178.40	8/ 10.00%
						\$120.00	9/
						\$176.40	10/
1992-93	\$9.00	--	\$0.50	\$0.60	--	\$220.40	8/,10/ 10.00%
						\$120.00	9/
1993-94	\$6.00	--	\$0.50	\$1.10	--	\$235.10	8/,10/ 10.00%
						\$120.00	9/
1994-95	\$8.50	--	\$0.50	\$0.65	--	\$242.45	8/,10/ 10.00%
						\$130.00	9/
1995-96	\$8.50	--	\$0.50	\$0.65	--	\$242.45	8/ 10.00%
						\$130.00	9/
						\$239.00	10/
1996-97	\$7.00	--	\$0.00	\$0.65	--	\$246.65	8/,10/ 10.00%
						\$130.00	9/
1997-98	\$7.00	--	\$0.00	\$1.50	--	\$246.65	8/ 10.00%
						\$130.00	9/
						\$245.00	10/
1998-99	\$7.50	--	\$0.00	\$1.70	--	\$246.65	8/ 10.00%
						\$130.00	9/
						\$245.00	10/

Fiscal Year 1/	Administration 2/	Special Administration 3/	Make-up 4/	In-lieu 5/	Water Resource Development 6/	Replacement 7/	Delinquent Payment Interest Rate
1999-00	\$8.45	--	\$0.00	\$1.40	--	\$246.65 \$130.00 \$245.00	8/ 9/ 10/
2000-01	\$7.00	--	\$0.00	\$0.50	--	\$246.65 \$130.00 \$245.00	8/ 9/ 10/
2001-02	\$6.00	--	\$0.00	\$0.40	--	\$246.65 \$153.00 \$265.00	8/ 9/ 10/
2002-03	\$6.50	--	\$0.00	\$1.00	--	\$246.65 \$147.00 \$265.00	8/ 8/ 9/
2003-04	\$9.00	--	\$0.00	\$1.05	--	\$246.65 \$165.00 \$265.00	10/ 8/ 9/
2004-05	\$12.75	--	\$0.00	\$1.20	--	\$246.65 \$130.00 \$265.00	10/ 8/ 9/
2005-06	\$7.00	--	\$0.00	\$1.25	--	\$251.90 \$130.00 \$238.00	10/ 8/ 9/
2006-07	\$7.50	--	\$0.00	\$1.50	--	\$251.90 \$130.00 \$238.00	10/ 8/ 8/
2007-08	\$5.00	--	\$0.00	\$1.40	--	\$251.90 \$130.00 \$261.00	9/ 10/ 8/
2008-09	\$10.00	--	\$0.00	\$5.05	--	\$450.00 \$130.00 \$387.00	9/ 10/ 8/
2009-10	\$11.75	--	\$0.00	\$1.25	--	\$587.00 \$130.00 \$527.00	9/ 10/ 8/
2010-11	\$13.00	--	\$0.00	\$1.00	--	\$512.00 \$130.00 \$409.00	9/ 10/ 8/
2011-12	\$13.00	--	\$0.00	\$2.05	--	\$640.00 \$130.00 \$559.00	8/ 9/ 10/
2012-13	\$15.00	--	\$0.00	\$2.05	--	\$673.00 \$130.00 \$600.00	8/ 9/ 10/
2013-14	\$15.00	--	\$0.00	\$2.05	--	\$773.00 \$230.00 \$700.00	8/ 9/ 10/

Fiscal Year 1/	Administration 2/	Special Administration 3/	Make-up 4/	In-lieu 5/	Water Resource Development 6/	Replacement 7/	Delinquent Payment Interest Rate
2014-15	\$15.00	--	\$0.00	\$10.00	\$20.00	\$773.00 \$145.00 \$700.00	8/ 9/ 10/
2015-16	\$15.00	--	\$0.00	\$10.00	\$20.00	\$773.00 \$165.00 \$700.00	8/ 9/ 10/
2016-17	\$15.00	--	\$0.00	\$10.00	\$40.00	\$869.00 \$165.00 \$779.00	8/ 9/ 10/

1/ Assessments and interest rates apply to production during fiscal year indicated.

2/ The Administration Assessment is uniformly applied to each acre-foot of production and is used to fund the Administration Budget shown in Appendix Q.

3/ The Special Administration Assessment is uniformly applied to each acre-foot of production and is used to fund costs associated with Main San Gabriel Basin cleanup activities.

4/ The Make-up Water Assessment is applied to each acre-foot of production that does not bear a Replacement Water Assessment. The Assessment is not applicable to production for an Overlying Right. It is used to fund the Administration costs and Make-up Water Obligation under the Long Beach Judgment.

5/ The In-lieu Assessment is applied to each acre-foot of production, except the non-consumptive use portion of an Overlying Right, and is used to fund the differential cost of Supplemental Water for producers to take delivery of Supplemental Water as requested by Watermaster.

6/ The Water Resource Development Assessment is uniformly applied to each acre-foot of production and is used to fund costs associated with the purchase and delivery of untreated imported water to supplement stormwater replenishment.

7/ The Replacement Water Assessment is applied on production in excess of a production right and is used to purchase Supplemental Water from the appropriate Responsible Agency.

8/ Upper San Gabriel Valley Municipal Water District.

9/ San Gabriel Valley Municipal Water District.

10/ Three Valleys Municipal Water District.



**APPENDIX Q**

**ADMINISTRATION BUDGET**  
**2017-2018**







## 2017-18 Adopted Administration Budget

	2016-17 Adopted Budget	2016-17 Estimated Actual	2017-18 Adopted Budget
<b>REVENUE</b>			
Administrative Assessment*	\$ 2,850,000	\$ 2,727,128	2,850,000
Settlement Income	-	-	-
Section 28 - Staff Reports/Permits	-	5,000	-
BPOU Reimbursements	166,000	176,000	185,500
Interest Income	10,000	30,000	10,000
Admin/Other Income	285,500	285,500	285,500
Transfer-Special Assessment Fund	-	-	-
Forward from Previous Fiscal Year	1,424,999	1,448,747	1,011,169
<b>TOTAL REVENUE</b>	<b>\$ 4,736,499</b>	<b>\$ 4,672,375</b>	<b>\$ 4,342,169</b>
<b>EXPENSES</b>			
Watermaster Board Compensation	\$ 20,000	\$ 18,000	20,000
Salaries, Benefits & Employee Development	1,563,200	1,350,000	1,637,000
Meeting and Travel	20,000	16,000	18,500
Vehicle Expense	13,500	13,000	13,500
Insurance	38,250	34,581	29,750
Office Supplies, Services, Rent and O&M	259,700	225,975	251,200
Legal Services	750,000	575,000	600,000
Audit	24,000	24,200	25,000
Ready-to-Serve Charges	99,500	99,500	99,500
Public Education	20,000	16,000	20,000
Engineering	625,000	610,000	500,000
Production Reporting	6,500	5,500	6,000
Water Quality Monitoring	425,000	456,950	480,000
Inspection/Meter Checks	40,000	36,500	40,000
Water Quality Management	225,000	180,000	220,000
Contingency (Balance Figure)*	606,849	-	381,719
<b>TOTAL EXPENSES</b>	<b>\$ 4,736,499</b>	<b>\$ 3,661,206</b>	<b>\$ 4,342,169</b>

\* Figure based on Administrative Assessment of \$15.00/AF (\$15.00/AF X **190,000** AF = \$2,850,000)



**APPENDIX R**

**AUDIT OF FINANCIAL STATEMENTS**





**MAIN SAN GABRIEL BASIN WATERMASTER**

**REPORT ON AUDIT OF FINANCIAL STATEMENTS**  
**June 30, 2017 and 2016**

**MAIN SAN GABRIEL BASIN WATERMASTER  
REPORT ON AUDIT OF FINANCIAL STATEMENTS  
June 30, 2017 and 2016**

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## INDEPENDENT AUDITOR'S REPORT

To the Watermaster Board  
Main San Gabriel Basin Watermaster  
725 North Azusa Avenue  
Azusa, California 91702

We have audited the accompanying financial statements of the Main San Gabriel Basin Watermaster (Watermaster) as of June 30, 2017, which comprise the balance sheet as of June 30, 2017, and the related statements of revenues, expenses and change in net assets, and cash flows for the year then ended, and the related notes to the financial statements.

### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.



To the Watermaster Board  
Main San Gabriel Basin Watermaster

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion

### **Opinion**

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Main San Gabriel Basin Watermaster as of June 30, 2017, and the respective changes in its net assets and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

### **Prior Period Financial Statements**

The June 30, 2016 financial statements were audited by Vicenti, Lloyd & Stutzman, LLP whose practice became part of CliftonLarsonAllen LLP as of June 1, 2017, and whose report dated September 27, 2016, expressed an unmodified opinion on those financial statements.

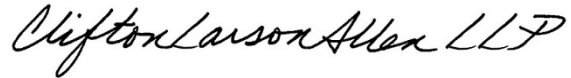
### **Other Matters**

We have applied certain limited procedures to the information identified in the accompanying table of contents as Management's Discussion and Analysis in accordance with auditing standards generally accepted in United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The supplementary schedules on pages 21 through 23 are presented for purposes of additional analysis and are not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The actual results of operations presented in the supplementary schedules have been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

To the Watermaster Board  
Main San Gabriel Basin Watermaster

The annual budget information has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

A handwritten signature in cursive script that reads "CliftonLarsonAllen LLP".

CliftonLarsonAllen LLP  
Glendora, California  
September 25, 2017

**MAIN SAN GABRIEL BASIN WATERMASTER**  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**  
**June 30, 2017**

**Background**

The Main San Gabriel Basin Watermaster was created by the Los Angeles Superior Court through a stipulated judgment (LASC Case 924128) to administer water rights and manage the Main San Gabriel Groundwater Basin. The Judgment prescribes Watermaster's authorities and specifies five classes of water production assessments to be used to fund certain activities. Those assessment categories are: Administration, In-Lieu, Replacement Water, Make-up Water, and Water Resource Development Costs. Each class of assessment has a prescribed purpose and water production base. Assessment revenue is Watermaster's principal source of income.

Watermaster's Administrative Fund includes funds for administrative expense as budgeted each year, along with money collected through the In-Lieu Assessment and a Special Administrative Assessment collected in 1991-1992 to help pay for groundwater clean-up activities.

Watermaster's In-Lieu Assessment covers the cost of the Alhambra Exchange as well as the Direct Delivery Imported Water Program that was implemented in 2014-15. The Program is intended to shift an agency's groundwater production to a treated Metropolitan Water District connection to supply system demand in times of drought.

The Replacement Water Fund is an assessment collected to purchase imported water to cover any production in excess of production rights as established with the Annual Operating Safe Yield.

The Make-up Obligation Fund is money collected to purchase Make-up Water for the Lower Area (Central Basin) as part of the Long Beach Judgment. This assessment is reviewed annually and has been suspended for several years due to a water accounting credit. These funds are held in anticipation of a future obligation to the Lower Area.

During FY 2013-14, Watermaster adopted Resolution No. 09-13-257 declaring its intention to create a Water Resource Development Assessment as a source of money to pre-purchase water for basin storage and reliability. On May 14, 2014, the Board adopted Resolution No. 05-14-263 establishing the Water Resource Development Assessment for implementation on all FY 2014-15 production, with an accounting of each Producer's contribution.

During FY 2015-16, Watermaster developed a Stormwater Augmentation Program to help manage Basin water supplies under severe drought conditions. Through this, the Board revised Watermaster's Water Resource Development Assessment Policy to provide a funding source for water purchases for general, Basin-wide benefit, referred to as the RDA II. In early 2017, after significant rainfall and run-off in Northern California, MWD approached Watermaster with an opportunity to purchase excess supplies from the State Water Project. The Executive Officer and Watermaster Board negotiated a cyclic delivery to MWD's existing account in the Basin, with a 5-year payment plan, based on the RDA II assessment policy criteria.

**MAIN SAN GABRIEL BASIN WATERMASTER**  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**  
**June 30, 2017**

**Background (continued)**

On May 3, 2017, the Watermaster Board adopted Resolution No. 05-17-286 setting FY 2016-17 assessment rates, including RDA II, on all water produced during FY 2016-17. RDA II includes a 5-year schedule for the RDA assessment that would facilitate the purchase of MWD's cyclic delivery.

**Summary of Financial Information**

For the year ending June 30, 2017, Watermaster's Total Assets increased by 8% to \$31.229 million, including an increase of 10% in Net Assets to \$30.081 million. The Administrative Fund had a Net Increase of \$1.2 million primarily due to a reduction in Legal Expenses, and unused Contingency Expense, as well as lower Salaries and Benefits due to staff attrition. The Replacement Fund had a Net Increase of \$1.6 million due to \$5.1 million collected for Replacement, and RDA Assessments, offset by the \$3.5 million spent on Water Purchases for Replacement Water Obligation, and USG-5 for the Alhambra Exchange Agreement. Water purchased under the RDA program is included in the Prepaid Water Purchases under Current Assets.

Long-Term Liabilities increased by \$11K for the Other Postemployment Benefits (OPEB). Watermaster's Actuarial Valuation is done every two years, which includes the following year's projections. This inclusion has helped to reduce a larger adjustment for the year. Currently, Watermaster funds retiree health benefits on a pay-as-you-go basis by withholding a portion of employee annual salary Cost of Living Adjustments (COLA). The funds are set aside for the payment of current and future retiree health benefits. Currently, the market value of assets set aside for this purpose, as of June 30, 2017, is greater than the projected Accumulated Postretirement Benefit Obligation at June 30, 2017.

**Review of Revenues and Expenses**

The Administrative Assessment revenue decreased from the prior year due to lower production as a result of conservation efforts associated to the drought (207,405 AF assessed in FY 2015-16 for water produced in 2014-15 vs. 181,809 AF assessed in FY 2016-17 for water produced in 2015-16), the assessment remained the same at \$15 per acre-foot.

Operating revenues in the Replacement Water Fund decreased by \$2.7 million due to lower production for the RDA Assessment, and a decreased Replacement Water Obligation in response to increased application of Producer Cyclic Storage. In FY 2016-17, Cyclic Storage Water purchases increased by \$19.8 million from prior year due to greater availability and increased interest from the producers for Cyclic Storage Water purchases and an investment. Also, in FY 2016-17, San Gabriel Valley Municipal Water District was able to deliver its Replacement Water Obligation owed from prior fiscal year of 9,607 AF.

**MAIN SAN GABRIEL BASIN WATERMASTER**  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**  
**June 30, 2017**

**Review of Revenues and Expenses (continued)**

The In-Lieu Assessment revenue decreased by \$256,000 due to lower production, while the assessment remained the same at \$10 per acre-foot. This assessment covers the Direct Delivery In-Lieu Water Purchases Program, the Alhambra Exchange Agreement, and the MWD Capacity Charge assessed for taking imported water during peak demand.

**Comparison of FY 2016-17 Administration Budget to Actual Revenues and Expenses**

Administrative Assessment revenue came in lower than the budgeted amount due to lower water production associated to water conservation efforts and drought mandates Statewide. Other Income and Reimbursements was \$30K lower than budgeted due to fewer staff hours for the BPOU Project, and the prior year adjustment for the accrual of RBMB Administrative Reimbursement. The Interest Income was \$56K higher than budgeted due to higher LAIF Interest Rates, and the collection of Coiner Nursery 2-year past due interest of \$19K, as well as the interest paid monthly for the cured installment payments.

Overall, Engineering and related expenses came in lower than budget by approximately 16%. While RDA costs to develop the RDA II program increased, both the BPOU Agreement Renewal and the Salt & Nutrient Plan Engineering Costs decreased from prior year. Additionally, savings were seen in line items such as WQ Monitoring due to Lab invoicing timing, and in WQ Management Section 28 Staff Reports due to fewer application submittals, as well as in Groundwater Monitoring Network by managing more efficiently and coordinating site visits.

Legal expenses for the year were budgeted to include strategies relating to collaborative efforts in developing management plans associated to the Endangered Species such as the Santa Ana Sucker; however, not spent. Additionally, staff anticipated a need for increased legal assistance in working on the Baldwin Park Operable Unit's Project Agreement Renewal Negotiations. In total, Legal expenses for fiscal year 2016-17 were 27.5% lower than budgeted.

Areas of higher than budgeted expenditures include engineering calculations for the RDA program by \$76k, and the Model Upgrade, where more work was done in the 2<sup>nd</sup> year of the 3-year period. Both projects are anticipated to require less work and expense in the subsequent year.

Budget savings were seen in several areas including Salaries & Benefits, posting 15% lower than expected primarily as a result of staff changes (new employees lower on salary schedule), a reduction in Employee Educational Reimbursements and training, and Office Improvements by 71%. Savings in Engineering included Ad Hoc Committee Meetings by 83%, including minimal engineering costs for support with Santa Anita Sucker, IRWMP, SG Mountains National Monument, and Groundwater Management Strategies.

**MAIN SAN GABRIEL BASIN WATERMASTER**  
**MANAGEMENT'S DISCUSSION AND ANALYSIS**  
**June 30, 2017**

*The financial report contained herein is designed to provide a general overview of the finances, activities and operations of the Watermaster. To obtain additional information, please feel free to contact the Main San Gabriel Basin Watermaster at 626-815-1300.*

# MAIN SAN GABRIEL BASIN WATERMASTER

## BALANCE SHEETS June 30, 2017 and 2016

### ASSETS

	<u>2017</u>	<u>2016</u>
<b>CURRENT ASSETS</b>		
Cash and cash equivalents	\$ 16,279,166	\$ 16,250,831
Accounts receivable	677,556	1,484,010
Due from BPOU committee	277,130	193,301
Accrued interest receivable	29,294	13,299
Prepaid water purchases and other expenses	13,952,033	10,869,474
Employee loans receivable	1,081	3,877
Total current assets	31,216,260	28,814,792
<b>NONCURRENT ASSETS</b>		
Equipment and leasehold improvements, net	12,710	16,740
Total noncurrent assets	12,710	16,740
<b>TOTAL ASSETS</b>	<u>\$ 31,228,970</u>	<u>\$ 28,831,532</u>

### LIABILITIES AND NET ASSETS

<b>CURRENT LIABILITIES</b>		
Accounts payable	\$ 917,960	\$ 1,205,870
Accrued payroll and benefits	-	77,319
Accrued vacation	31,588	45,988
Total current liabilities	949,548	1,329,177
<b>NONCURRENT LIABILITIES</b>		
Postretirement benefit obligation	198,648	187,538
Total noncurrent liabilities	198,648	187,538
Total liabilities	1,148,196	1,516,715
<b>NET ASSETS</b>		
Unrestricted - administrative	5,633,358	4,452,525
Legally restricted - replacement	11,298,489	9,690,662
Legally restricted - make-up	13,148,927	13,171,630
Total net assets	30,080,774	27,314,817
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<u>\$ 31,228,970</u>	<u>\$ 28,831,532</u>

See independent auditor's report and accompanying notes to financial statements.

# MAIN SAN GABRIEL BASIN WATERMASTER

## STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS For the Years Ended June 30, 2017 and 2016

	<u>2017</u>	<u>2016</u>
<b>OPERATING REVENUES</b>		
Administrative assessments, net	\$ 2,727,128	\$ 3,111,080
In-lieu assessments	1,817,967	2,073,958
Replacement assessments, net	5,097,838	7,825,509
Cyclic storage	29,222,771	9,384,338
Other income and reimbursements	<u>421,851</u>	<u>472,986</u>
Total revenues	39,287,555	22,867,871
<b>OPERATING EXPENSES</b>		
Water purchases	3,525,163	1,776,254
Cyclic storage	29,186,239	9,349,713
Engineering fees	632,308	639,664
Water quality monitoring	335,792	440,177
Water quality management	144,053	199,806
Administrative and general	2,377,341	2,337,828
Depreciation expense	<u>3,743</u>	<u>4,352</u>
Total operating expenses	36,204,639	14,747,794
In-lieu expenses	<u>460,057</u>	<u>472,177</u>
Total expenses	<u>36,664,696</u>	<u>15,219,971</u>
<b>OPERATING INCOME</b>	2,622,859	7,647,900
<b>NONOPERATING REVENUES (EXPENSES)</b>		
Interest income and other	160,208	59,569
Unrealized loss on investments	(16,074)	-
Postretirement-related changes other than net periodic benefit cost	<u>(1,036)</u>	<u>73,384</u>
Total nonoperating revenues	<u>143,098</u>	<u>132,953</u>
<b>CHANGES IN NET ASSETS</b>	2,765,957	7,780,853
<b>NET ASSETS - BEGINNING OF YEAR</b>	<u>27,314,817</u>	<u>19,533,964</u>
<b>NET ASSETS - END OF YEAR</b>	<u>\$ 30,080,774</u>	<u>\$ 27,314,817</u>

See independent auditor's report and accompanying notes to financial statements.



# MAIN SAN GABRIEL BASIN WATERMASTER

## STATEMENTS OF CASH FLOWS For the Years Ended June 30, 2017 and 2016

	<u>2017</u>	<u>2016</u>
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>		
Change in net assets	\$ 2,765,957	\$ 7,780,853
Adjustments to reconcile changes in net assets to net cash provided by operating activities:		
Loss on disposal of assets	287	-
Depreciation	3,743	4,352
Postretirement benefit related changes	11,110	(62,916)
Changes in operating assets and liabilities:		
Accounts receivable	806,454	1,248,675
Due from BPOU committee	(83,829)	(36,814)
Prepaid expenses	(3,082,559)	(6,298,446)
Accounts payable	(287,910)	(3,179)
Accrued payroll and benefits	(91,719)	755
Deferred Revenue	-	(2,266)
Net cash provided by operating activities	<u>41,534</u>	<u>2,631,014</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>		
Purchase of equipment	-	(10,506)
Net change in accrued interest receivable	(15,995)	(4,270)
Net change in employee loans receivable	2,796	(2,014)
Net cash used by investing activities	<u>(13,199)</u>	<u>(16,790)</u>
Net increase in cash and cash equivalents	28,335	2,614,224
<b>CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR</b>	<u>16,250,831</u>	<u>13,636,607</u>
<b>CASH AND CASH EQUIVALENTS, END OF YEAR</b>	<u>\$ 16,279,166</u>	<u>\$16,250,831</u>

The accompanying notes are an integral part of these financial statements.

# MAIN SAN GABRIEL BASIN WATERMASTER

## NOTES TO THE FINANCIAL STATEMENTS

June 30, 2017 and 2016

### NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### Nature of Activities

In a judgment dated January 4, 1973, in the Superior Court of the State of California for the County of Los Angeles, the court established the Main San Gabriel Basin Watermaster (Watermaster), which administers the judgment. One of the functions of Watermaster is to levy and collect funds to pay the City of Long Beach, the City of Compton and the Central Basin Municipal Water District for make-up water to replace water used in the San Gabriel Basin which the lower area maintained was properly theirs. The payments have been made for several years through the Upper San Gabriel Valley Municipal Water District as a result of a negotiated agreement in 1965 and reaffirmed by a validation suit in the same year. The collections and disbursements of this fund are accounted for in the Make-Up Obligation Fund.

Watermaster also levies and collects funds to purchase replacement water for Basin overproduction. These collections and disbursements are accounted for in the Replacement Water Fund.

All financial transactions, other than those which fall within the Make-Up Obligation Fund or Replacement Water Fund, are recorded in the Administrative Fund. Assessments are made annually.

Watermaster proposed amendments to its judgment to provide greater flexibility in carrying out its purpose. The judgment amendment was approved by the court on June 21, 2012.

#### Basis of Accounting and Financial Statement Presentation

The accompanying financial statements are prepared under the accrual method of accounting using accounting principles generally accepted in the United States of America (US GAAP).

Watermaster incorporates proprietary fund accounting which is similar to the principles applied to a business in the private sector. Revenues earned and expenses incurred are recognized and classified on an accrual basis. The measurement focus is on determination of financial position, changes in net assets and cash flows.

Watermaster classifies its net assets into two categories as described below:

***Legally Restricted*** - This component of net assets consists of restraints placed on net asset use through external constraints imposed by laws and regulations of other governments or constraints imposed by law through constitutional provisions or enabling legislation.

***Unrestricted*** - This component of net assets consists of net assets that do not meet the definition of "restricted."

*See independent auditor's report.*

# **MAIN SAN GABRIEL BASIN WATERMASTER**

## **NOTES TO THE FINANCIAL STATEMENTS**

**June 30, 2017 and 2016**

### **NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

- Unrestricted cash and cash equivalents at June 30, 2017 and 2016 include \$322,190 and \$272,869, respectively, that the board designated for future other postretirement benefit obligations.

#### **Cash and Cash Equivalents**

Cash and cash equivalents consist primarily of short-term investments which have a maturity of ninety days or less. At June 30, 2017 and 2016, Watermaster invested with the State Treasurer's Local Agency Investment Fund. This is a pooled money investment account and is carried at amortized cost with no restrictions on access to funds and therefore, is considered a cash equivalent.

#### **Accounts Receivable**

All receivables are considered collectible, thus, no allowance for doubtful accounts is reflected in the balance sheet. Watermaster grants unsecured credit to water producers, all of whom operate in the San Gabriel Valley.

#### **Due From BPOU Committee**

Watermaster, along with six other water agencies, entered an agreement for groundwater cleanup in the Baldwin Park Operable Unit (BPOU). Under the agreement, responsible parties agreed to pay toward research, cost recovery, treatment plant construction and operating expenses in the cleanup effort. Watermaster bills the responsible parties and collects the funds. Due from BPOU committee receivable is considered fully collectible. The agreement specifies that if the responsible parties fail to make the required payment, Watermaster is entitled to be reimbursed by the Trustee.

#### **Capital Assets**

Capital assets are recorded at cost and Watermaster's capitalization threshold is \$2,500. Furniture and equipment are being depreciated on the straight-line method over estimated useful lives ranging from 3 to 10 years. Depreciation expense for the years ended June 30, 2017 and 2016 was \$3,743 and \$4,352, respectively.

#### **Income Taxes**

On July 31, 1981, Watermaster received a ruling from the Internal Revenue Service exempting it from federal income taxes. A similar ruling was received from the California State Franchise Tax Board on October 16, 1981.

US GAAP requires management to evaluate tax positions taken by Watermaster and recognize a tax liability (or asset) if an uncertain position has been taken that more likely than not would not

*See independent auditor's report.*

# **MAIN SAN GABRIEL BASIN WATERMASTER**

## **NOTES TO THE FINANCIAL STATEMENTS**

**June 30, 2017 and 2016**

### **NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

be sustained upon examination. Management has analyzed the tax positions taken by Watermaster, and has concluded that as of June 30, 2017, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The primary tax positions evaluated are related to Watermaster's continued qualification as a tax-exempt organization. The statute of limitations for federal and California purposes is generally three and four years, respectively.

#### **Classification of Revenue**

Operating revenues are earned by levying and collecting assessments from the producers based upon their amounts of production during the preceding fiscal year. These assessments are applied primarily to the purchase of replacement water and to administrative costs. Non-operating revenues are those derived primarily from investment income. Water production assessments include: Administrative, In-Lieu, Make-up Water, Replacement and Water Resource Development. Assessments are billed on a yearly basis.

#### **Use of Estimates**

In preparing financial statements in conformity with US GAAP, management is required to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements and revenues and expenses during the reporting period. Actual results could differ from those estimates.

### **NOTE 2: CASH DEPOSITS AND INVESTMENTS**

#### **Custodial Risk**

Custodial credit risk is the risk that in the event of a bank failure, Watermaster's deposits may not be returned to it. Watermaster does not have a deposit policy for custodial credit risk. Deposits in financial institutions, reported as components of cash, were fully insured by depository insurance or secured by collateral held by the pledging financial institutions and trust department in Watermaster's name.

#### **Investment Interest Rate Risk**

Watermaster has an investment policy that limits investment maturities to no more than five years as a means of managing its exposure to fair value losses arising from increasing interest rates.

*See independent auditor's report.*

# MAIN SAN GABRIEL BASIN WATERMASTER

## NOTES TO THE FINANCIAL STATEMENTS

June 30, 2017 and 2016

### **NOTE 2: CASH DEPOSITS AND INVESTMENTS**

#### **Investment Credit Risk**

Watermaster's formal investment policy limits its investment choices to the following:

- 1) Local Agency Investment Fund (LAIF)
- 2) U.S. Treasury and Agency Obligations
- 3) Fully insured Certificates of Deposit
- 4) Investment in local water quality and supply projects, associated with Basin cleanup objectives, through the borrowing of funds from the Make-up Water Fund.

#### **Concentration of Investment Credit Risk**

Watermaster's formal investment policy limits any one type of investment to no more than 25% of the total portfolio, except for LAIF or U.S. Treasury and Agency Obligations.

### **NOTE 3: EQUIPMENT AND LEASEHOLD IMPROVEMENTS**

Equipment and leasehold improvements consisted of the following:

	<b>2017</b>	<b>2016</b>
	<hr/>	<hr/>
Furniture and equipment	216,343	\$ 232,732
Leasehold improvements	27,496	28,944
	<hr/>	<hr/>
	243,839	261,676
Less accumulated depreciation	(231,129)	(244,936)
	<hr/>	<hr/>
Equipment and leasehold improvements, net	<u>\$ 12,710</u>	<u>\$ 16,740</u>

### **NOTE 4: OPERATING LEASES**

Watermaster leases office space from the city of Azusa under a year to year lease agreement which commenced on July 21, 1995 and is renewable for the next 55 years. Rent expense for the years ended June 30, 2017 and 2016 was \$77,171, and \$82,374, respectively.

Watermaster has renewed the lease for the following year with the same monthly base payments totaling \$67,000 for the year ending July 30, 2017. In addition, Watermaster is required to pay additional rent monthly based on a percentage of management and operating expenses.

*See independent auditor's report.*

# MAIN SAN GABRIEL BASIN WATERMASTER

## NOTES TO THE FINANCIAL STATEMENTS

June 30, 2017 and 2016

### **NOTE 4: OPERATING LEASES**

Watermaster also leases certain equipment under non-cancelable leases. Future minimum rental commitments under these leases are as follows:

<b><u>Year Ending June 30,</u></b>	<b><u>Minimum Lease Commitment</u></b>
2018	\$ 8,520
2019	6,544
2020	2,315
	<u>\$ 17,379</u>

Rental expense for the years ended June 30, 2017 and 2016 was \$15,456 and \$18,793, respectively.

### **NOTE 5: PENSION PLAN**

#### **Plan Description and Provisions**

Qualified employees are eligible to participate in the Public Agency Cost-Sharing Multiple-Employer Plan under the California Public Employees' Retirement System plan (CalPERS), a cost-sharing multiple-employer defined benefit pension plan administered by CalPERS. The Public Agency Cost-Sharing Multiple-Employer Plan is comprised of a Miscellaneous Pool and a Safety Pool. Watermaster sponsors two Miscellaneous Risk Pool plans, however, the information presented below represents the sum of the allocated pension amounts for each of Watermaster's plans (the Plan). The Plan provides retirement and disability benefits, annual cost-of-living adjustments, and death benefits to Plan members and their beneficiaries. Benefit provisions are established by State statutes, as legislatively amended, within the Public Employees' Retirement Law. Copies of CalPERS' annual financial report may be obtained from their executive office: 400 P Street, Sacramento, CA 95814.

#### **Funding Policy and Annual Pension Cost**

The Public Employees' Pension Reform Act of 2013 (PEPRA) introduced a new class of Member (New Members) and defined different assumptions and benefits for these New Members than those used for continuing members (Classic Members).

Classic Members are required to contribute 7% of their annual covered salary and New Members are required to contribute 6.25% of their annual covered salary. Watermaster makes the contributions required of the Classic Members on their behalf and for their account but does not make the contributions required of the new members. Watermaster is required to contribute

*See independent auditor's report.*

# MAIN SAN GABRIEL BASIN WATERMASTER

## NOTES TO THE FINANCIAL STATEMENTS

June 30, 2017 and 2016

### **NOTE 5: PENSION PLAN**

annually at actuarially determined rates; the current rates are 8.880% and 6.555% of annual covered payroll for Classic Members and New Members, respectively. The contribution requirements of plan members and Watermaster are established and may be amended by CalPERS. For fiscal year ended June 30, 2017, Watermaster's annual pension cost of \$182,282 for CalPERS was equal to Watermaster's required and actual contributions. The required contribution rates for 2017-18 are 8.921% and 6.533% of annual covered payroll for Classic Members and New Members, respectively.

### **Funded Status**

The following information summarizes the funded status of the CalPERS Plan as of June 30, 2016 measurement date, the most recent actuarial valuation date available:

	<u>Plan-wide Information</u>
Total pension liability	\$ 33,358,627,624
Less: Plan fiduciary net position	<u>24,705,532,291</u>
Plan net pension liability	<u>\$ 8,653,095,333</u>
Funded Ratio	74.06%

### **NOTE 6: POSTRETIREMENT HEALTH BENEFIT PLAN**

Watermaster provides medical coverage to eight active employees and two retired employees through the Association of California Water Agencies/Joint Powers Insurance Authority (ACWA/JPIA) Health Program. At retirement, Watermaster provides a contribution for the continuation of medical coverage for eligible retirees. For employees hired prior to January 1, 2013, eligibility for a Watermaster contribution requires retirement from Watermaster under PERS on or after age 55 with at least 10 years of full-time service. For employees hired after January 1, 2013, and new to PERS, eligibility for a Watermaster contribution requires retirement from Watermaster under PERS on or after age 62 with at least 10 years of full-time service. Watermaster provides for a contribution equal to a 100% of the cost of medical coverage for the retiree if electing retiree only coverage and 50% of the cost of medical coverage if electing coverage for the retiree and eligible dependents. Benefits are payable until the retiree's attained of age 65.

Watermaster currently finances benefits on a pay as you go basis. Although the plan has no segregated assets, Watermaster does maintain funds in LAIF that are designated for retiree health care costs. At June 30, 2017, the fund's designated balance was \$322,190.

*See independent auditor's report.*

# MAIN SAN GABRIEL BASIN WATERMASTER

## NOTES TO THE FINANCIAL STATEMENTS

June 30, 2017 and 2016

### **NOTE 6: POSTRETIREMENT HEALTH BENEFIT PLAN**

The following tables set forth further information about Watermaster's postretirement benefit plan:

	<b><u>2017</u></b>	<b><u>2016</u></b>
Plan obligations and funded status:		
Projected benefit obligation at June 30	\$ 198,648	\$ 187,538
Plan assets at fair value at June 30	<u>-</u>	<u>-</u>
Unfunded status at end of year	<b><u>\$ 198,648</u></b>	<b><u>\$ 187,538</u></b>
Employer contributions	\$ 12,516	\$ 11,041
Plan participants' contributions	\$ -	\$ -
Benefits paid	\$ 12,516	\$ 11,041

Amount recognized in the statements of financial position at June 30, 2017 and 2016 consists of:

	<b><u>2017</u></b>	<b><u>2016</u></b>
Other postretirement benefit obligation	<b><u>\$ 198,648</u></b>	<b><u>\$ 187,538</u></b>

Amount recognized in the statement of revenues, expenses and changes in net assets at June 30, 2017 and 2016, consists of:

	<b><u>2017</u></b>	<b><u>2016</u></b>
Service cost	\$ 16,124	\$ 15,504
Interest cost	7,502	7,041
Amortization of transition obligation	<u>(1,036)</u>	<u>(1,036)</u>
Net periodic benefit cost	22,590	21,509
Total postretirement-related changes other than net periodic benefit cost	<u>1,036</u>	<u>(73,384)</u>
Total amount recognized in the statement of revenues, expenses and changes in net assets	<b><u>\$ 23,626</u></b>	<b><u>\$ (51,875)</u></b>

Other changes in plan assets and benefit obligations previously recognized in changes in unrestricted net assets:

*See independent auditor's report.*



# MAIN SAN GABRIEL BASIN WATERMASTER

## NOTES TO THE FINANCIAL STATEMENTS

June 30, 2017 and 2016

### NOTE 6: POSTRETIREMENT HEALTH BENEFIT PLAN

	<u>2017</u>	<u>2016</u>
Actuarial loss	\$ (26,930)	\$ (27,967)
Amounts previously recognized in unrestricted net assets, not yet recognized as periodic benefit cost at June 30	<u>\$ (26,930)</u>	<u>\$ (27,967)</u>

Weighted-average assumption used to determine benefit obligations as of June 30, 2017 and 2016:

	<u>2017</u>	<u>2016</u>
Discount rate	4.00%	4.00%
Expected long-term return on plan assets	N/A	N/A
Rate of compensation	N/A	N/A
Health care cost trend rate assumed for next year	6.50%	6.50%
Rate to which the cost trend rate is assumed to decline (the ultimate rate)	5.00%	5.00%
Year that the rate reaches the ultimate trend rate	5+ years	5+ years

Watermaster expects to contribute \$14,982 to the plan during the next fiscal year. The following is a projection of expected future benefit payments under the plan:

<u>Year Ending June 30</u>	<u>Amount</u>
2018	\$ 14,982
2019	3,678
2020	5,815
2021	7,945
2022	11,647
2023	14,964
2024	19,568
2025	27,096
2026	34,055

*See independent auditor's report.*

# **MAIN SAN GABRIEL BASIN WATERMASTER**

## **NOTES TO THE FINANCIAL STATEMENTS**

**June 30, 2017 and 2016**

### **NOTE 7: WATER RESOURCE DEVELOPMENT ASSESSMENT**

Pursuant to the June 21, 2012 judgment, Watermaster has adopted Resolution No. 05-14-263 which established a Water Resource Development Assessment (RDA) on all water produced from the Basin. This assessment is intended to aid Watermaster in the purchase and storage of 100,000 acre-feet of supplemental water to address potential future replacement water obligations in the event supplemental water supplies are interrupted in the future. The RDA will be evaluated annually and assessed over a ten year period ending with the 2023-24 fiscal year production. Water stored under this program can be used only by action from the Board under one or more of the following conditions: Watermaster's inability to deliver at least 50 percent of basin replacement Water for two consecutive years; damage to State Water Project or Colorado River aqueduct facilities; the implementation of a drought allocation penalty rate for the purchase of replacement water. Water stored under this program will not have any influence of the determination of safe operating yields. The RDA rate was established at \$20 per acre-foot for the 2015-16 production year, and was billed and collected in the 2016-17 fiscal year. Future rates will be established annually by the Watermaster Board.

### **NOTE 8: DISTRICT DELIVERY IMPORTED WATER PROGRAM**

As a result of declining basin water levels and the prolonged drought, Watermaster established a Direct-Delivery Imported Water Program effective January 1, 2015. Through this program participating agencies will shift their demand from groundwater production to direct delivery of treated imported water. Watermaster is obligated to reimburse participating agencies for these purchases up to amounts designated by board approval. Watermaster began levy and collection of assessments to offset this production in fiscal year 2015-16 included in the annual In-Lieu assessment.

### **NOTE 9: SUBSEQUENT EVENTS**

Watermaster has evaluated subsequent events through September 25, 2017, which is the date these financial statements were available to be issued. All subsequent events requiring recognition or disclosure have been incorporated into these financial statements.

*See independent auditor's report.*

## **SUPPLEMENTARY INFORMATION**

**MAIN SAN GABRIEL BASIN WATERMASTER  
REPLACEMENT WATER FUND**

**SCHEDULE OF REVENUES, EXPENSES AND CHANGE IN NET ASSETS  
For the Year Ended June 30, 2017**

	<u>Annual Budget</u> (unaudited)	<u>Actual</u>	<u>Budget vs. Actual</u>
<b>OPERATING REVENUES</b>			
Administrative assessments, net	\$ 2,850,000	\$ 2,727,128	\$ (122,872)
In-lieu assessments	1,817,967	1,817,967	-
Other income and reimbursements	451,500	421,851	(29,649)
Total revenues	5,119,467	4,966,946	(152,521)
<b>OPERATING EXPENSES</b>			
Watermaster compensation	20,000	14,200	(5,800)
Salaries and benefits	1,563,200	1,324,293	(238,907)
Meeting and travel	20,000	14,760	(5,240)
Vehicle expense	13,500	10,728	(2,772)
Insurance	38,250	37,412	(838)
Engineering fees	632,000	600,054	(31,946)
Production reporting	6,500	3,288	(3,212)
Legal fees	750,000	543,212	(206,788)
Accounting and auditing	24,000	24,200	200
Inspection and meter charges	40,000	28,966	(11,034)
Contingencies	599,849	-	(599,849)
Water quality monitoring	425,000	335,792	(89,208)
Ready to serve	99,500	100,470	970
Depreciation expense	-	3,743	3,743
Water quality management	225,000	144,053	(80,947)
Public education	20,000	-	(20,000)
Building lease	92,000	77,171	(14,829)
Office improvements	15,000	4,366	(10,634)
Postage and meter lease	6,000	6,674	674
Copier lease/usage	8,500	8,782	282
Telephone	10,200	8,017	(2,183)
Printing	14,000	11,885	(2,115)
Office supplies and services	45,000	27,607	(17,393)
Dues	33,000	24,748	(8,252)
Equipment maintenance agreements	20,000	17,682	(2,318)
Computer/office equipment	16,000	15,134	(866)
Total operating expenses	4,736,499	3,387,237	(1,349,262)
In-lieu expenses - Alhambra Exchange & capacity charge	460,057	460,057	-
Total expenses	5,196,556	3,847,294	(1,349,262)
<b>OPERATING INCOME</b>	(77,089)	1,119,652	1,196,741
<b>NONOPERATING REVENUES (EXPENSES)</b>			
Interest income and other income (expense)	10,000	65,692	55,692
Unrealized loss on investments	-	(3,475)	(3,475)
Postretirement-related changes other than net periodic benefit cost	-	(1,036)	(1,036)
Total nonoperating revenues	10,000	61,181	51,181
<b>CHANGE IN NET ASSETS</b>	\$ (67,089)	1,180,833	\$ 1,247,922
<b>NET ASSETS - BEGINNING OF YEAR</b>		4,452,525	
<b>NET ASSETS - END OF YEAR</b>		\$ 5,633,358	

**MAIN SAN GABRIEL BASIN WATERMASTER  
REPLACEMENT WATER FUND**

**SCHEDULE OF REVENUES, EXPENSES AND CHANGE IN NET ASSETS  
For the Year Ended June 30, 2017**

**OPERATING REVENUES**

Assessments, net	\$ 5,097,838
Cyclic storage water	<u>29,222,771</u>
Total revenues	34,320,609

**OPERATING EXPENSES**

Water purchases	3,525,163
Cyclic storage water	<u>29,186,239</u>
Total expenses	<u>32,711,402</u>

**OPERATING INCOME**

1,609,207

**NONOPERATING EXPENSES**

Interest expense	2,731
Unrealized gain on investments	<u>(1,351)</u>
Nonoperating expenses	<u>1,380</u>

**CHANGE IN NET ASSETS**

1,607,827

**NET ASSETS - BEGINNING OF YEAR**

9,690,662

**NET ASSETS - END OF YEAR**

\$ 11,298,489

**MAIN SAN GABRIEL BASIN WATERMASTER  
MAKE-UP OBLIGATION FUND**

**SCHEDULE OF REVENUES, EXPENSES AND CHANGE IN NET ASSETS  
For the Year Ended June 30, 2017**

**OPERATING EXPENSES**

San Gabriel River Watermaster	\$ 106,000
Net operating expenses	<u>106,000</u>

**OPERATING LOSS** (106,000)

**NONOPERATING REVENUES**

Interest income	97,247
Unrealized loss on investments	<u>(13,950)</u>
Nonoperating revenues	<u>83,297</u>

**CHANGE IN NET ASSETS** (22,703)

**NET ASSETS - BEGINNING OF YEAR** 13,171,630

**NET ASSETS - END OF YEAR** \$ 13,148,927







### **WATERMASTER BOARD**

**James M. Byerrum**, Chairman – California Domestic Water Company

**David Michalko**, Vice Chairman – Valencia Heights Water Company

**Dan Arrighi**, Secretary – San Gabriel Valley Water Company

**Ron Bow**, Treasurer – City of Monterey Park

**David DeJesus**, Covina Irrigating Company

**Garry Hofer**, California American Water Company

**Anthony R. Fellow**, Upper San Gabriel Valley Municipal Water District

**Charles Trevino**, Upper San Gabriel Valley Municipal Water District

**Thomas Love**, San Gabriel Valley Municipal Water District

### **EXECUTIVE OFFICER**

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