



Main San Gabriel Basin
WATERMASTER

2018–2019

ANNUAL REPORT

**FOCUSED ON IMPROVING WATER SUPPLY MANAGEMENT, DEVELOPING
NEW WATER SOURCES, AND PROTECTING AND IMPROVING WATER QUALITY**

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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Cover photo: winter storm clouds at sunset over Azusa Canyon in Angeles National Forest.

WATERMASTER IS SUCCESSFULLY ADAPTING TO A CHANGING WATER ENVIRONMENT

Despite Rain, Extended Drought Continues. Although we had above-average rainfall last year, we are still in the midst of more than two decades of overall low rainfall. In response, Watermaster has implemented numerous initiatives described in this Annual Report, including plans with regional water suppliers to replenish large volumes of imported water to help stabilize groundwater levels and improve reliability for the future.

Plan to Permanently Balance the Basin's Groundwater Supply. Watermaster's many water supply initiatives are working. Most important is a three-part plan to permanently balance the Basin's groundwater supply. The plan includes:

- 1) Maintaining a low Operating Safe Yield (OSY).
- 2) Collecting increasing amounts of funds through the Resource Development Assessment (RDA) to purchase and replenish the Basin with imported water whenever available to help counter the impacts of future extreme droughts.
- 3) Collaborating in the Metropolitan Water District (MWD) Regional Recycled Water Program, which can deliver large amounts of recycled water to the Basin to replace variable imported supplies and decreased local runoff in dry years.

At the Heart of Our Achievements Are the People We Work With. Virtually every action of Watermaster is undertaken in collaboration with a variety of stakeholders, including the water purveyors in the Basin, municipal water districts, MWD, Los Angeles County Flood Control District, and many others.

The list of agencies and individuals we could thank is long, but this year we want to recognize and thank one person in particular: Jim Byerrum. Jim served as chair of Watermaster from 2009 to 2019. He played a major role in developing vigorous new water management programs that are helping to ensure reliable water supplies far into the future.

We look forward to another successful year of collaborative groundwater management.

Anthony C. Zampello
Executive Officer

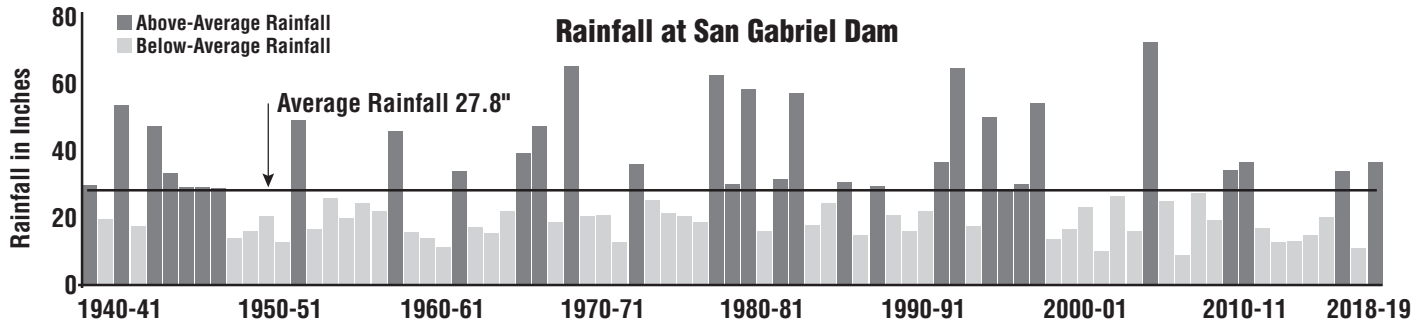


Morris Dam and Reservoir.

Rain and Increased Water Storage Beg

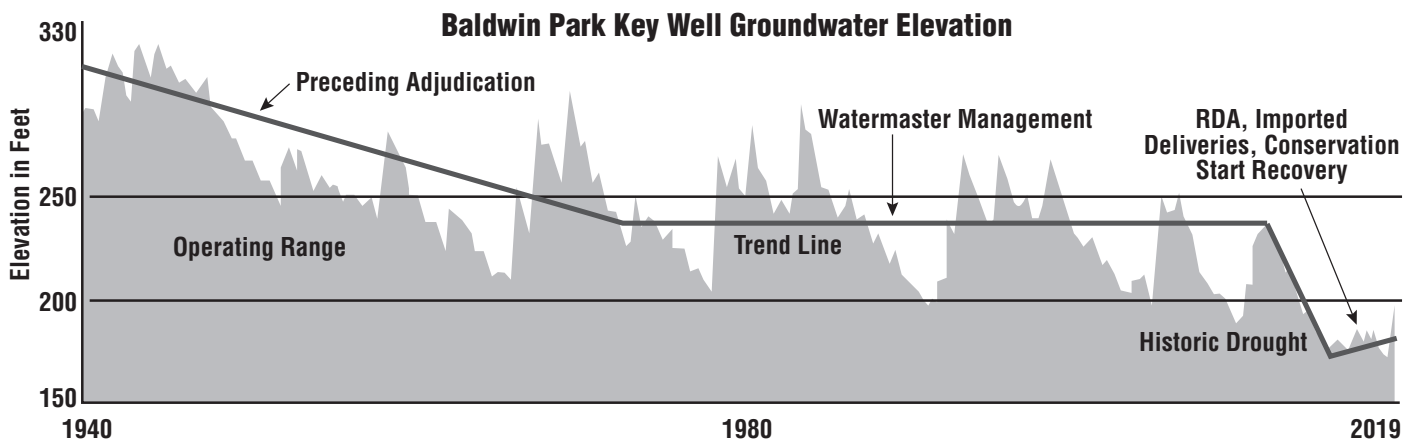
Recent wet years have helped Watermaster raise groundwater levels that had fallen to historic lows after years of drought.

RAINFALL ABOVE AVERAGE, BUT IMPACTS OF DROUGHT LINGER



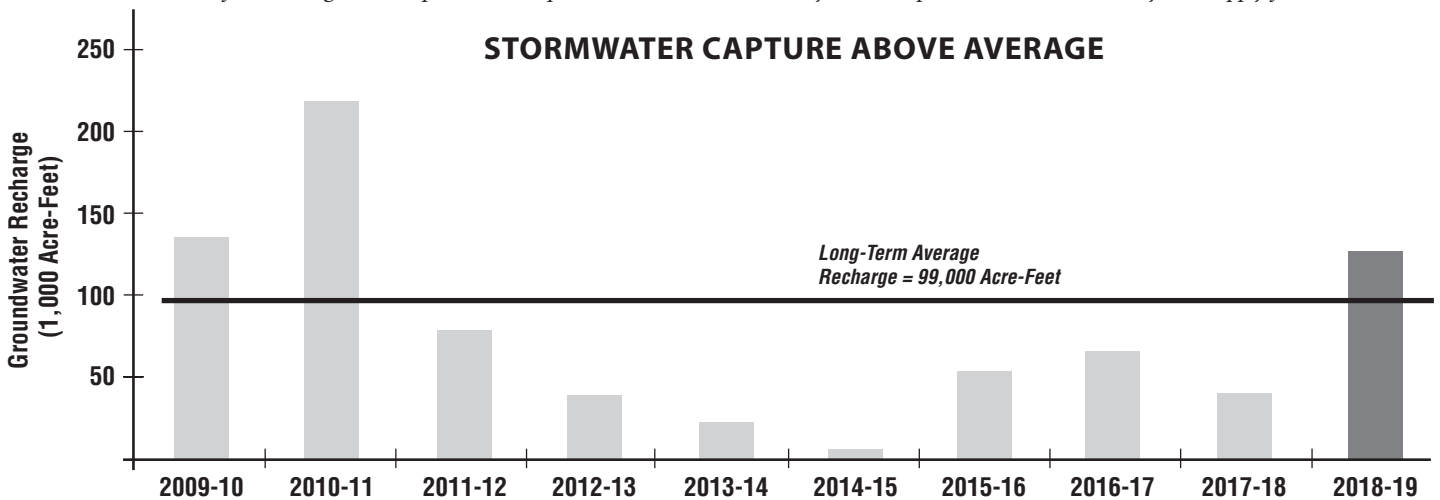
Below-average rainfall occurred in 16 of the past 21 years. The impacts of the extended drought were made worse by the severe five-year drought that began in 2011, and are still evident. Two of the past three years have had above-average rainfall and are helping the Basin recover, but drought conditions may reoccur any time.

KEY WELL FALLS TO RECORD LOW THEN BEGINS RECOVERY FROM EXTENDED DROUGHT



From its historic low of about 169 feet in November 2018, the Key Well had recovered over 27 feet as of June 2019 thanks to increased rainfall, recharge, and imported water purchases. The rise in the Key Well is equivalent to more than a year's supply for the Basin.

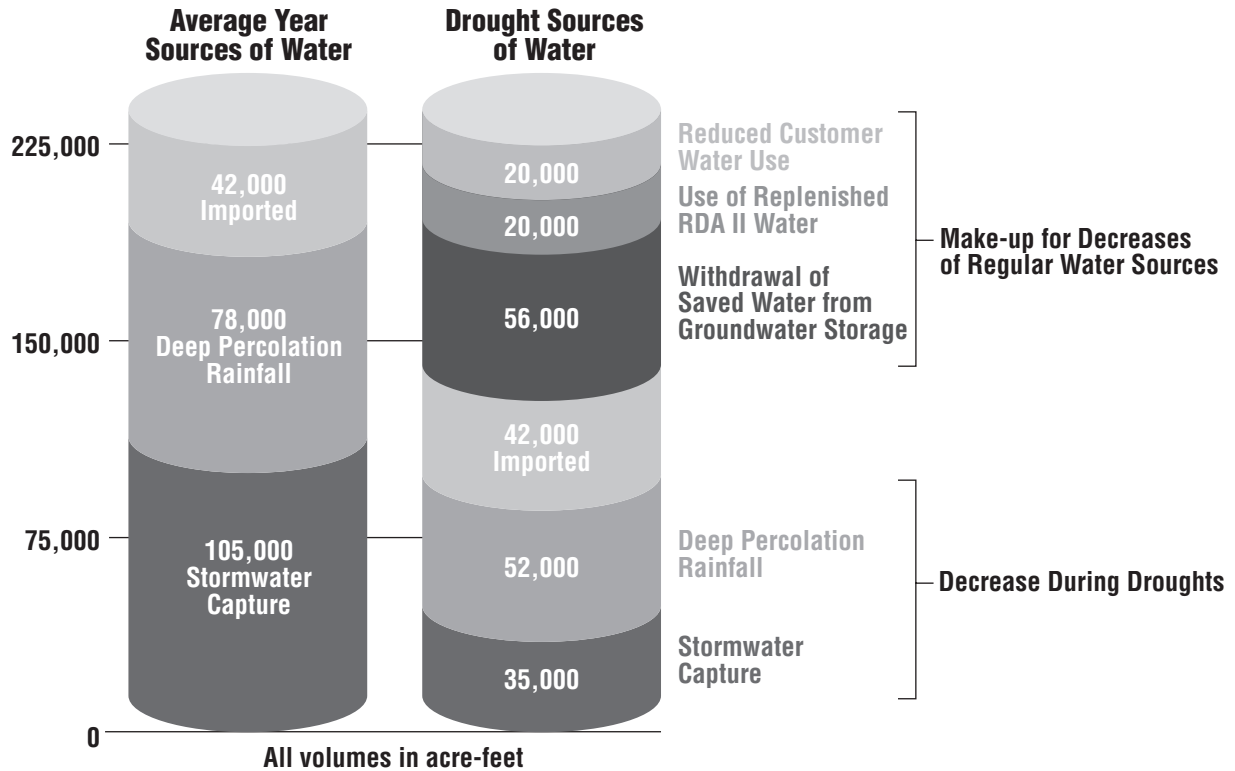
STORMWATER CAPTURE ABOVE AVERAGE



Stormwater capture was above the long-term average thanks to a wet year and efficient recharge by the Los Angeles County Flood Control District.

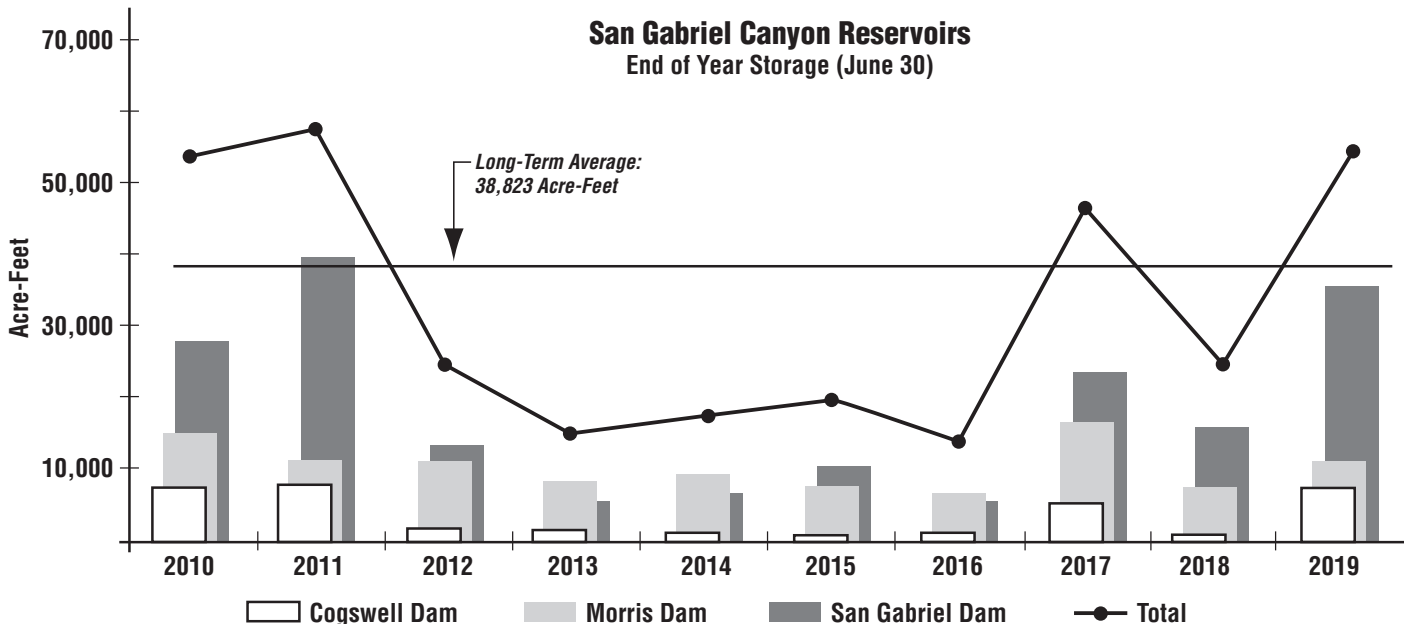
in Basin Recovery from Long Drought

HOW STORED WATER AND CONSERVATION MEET DROUGHT NEEDS



During extreme droughts, when less rainfall leads to decreased stormwater capture and deep percolation of rainfall, the water losses will be made up by reduced customer water use (conservation), use of replenishment RDA II water, and withdrawal of saved water from groundwater storage.

ABOVE-AVERAGE STORAGE IN SAN GABRIEL CANYON RESERVOIRS



Total water stored in San Gabriel Canyon Reservoirs on June 30, 2019, was 55,000 acre-feet, about 140% of the long-term average.

Progress Towards Attaining Permanene

Over the four decades between its formation in 1972 and the historic drought that began in 2011, Watermaster succeeded in balancing Basin supplies. Over the past decade, however, imported supplies became more variable and winters generally drier. In response, Watermaster is implementing a three-part plan to permanently balance Basin water supplies using new funding, strategy, and management techniques.

WATERMASTER'S THREE-PART PLAN TO ENSURE PERMANENT, RELIABLE WATER SUPPLIES

#1 ONGOING: ESTABLISH A CONSERVATIVE OPERATING SAFE YIELD

The Operating Safe Yield (OSY) is the amount of water that can be pumped from the Basin without purchasing expensive imported water. A low OSY triggers the purchase of additional imported water when local supplies are insufficient to meet demand to the Basin. This helps to maintain Basin levels and generates income through replenishment payments for purchasing imported water. The OSY has been limited to 150,000 acre-feet per year for the past five years. Due to the current reality of potential extended droughts, low Basin water levels, and variability of imported supplies, Watermaster plans to keep the OSY low.

#2 ONGOING: IMPLEMENT THE RESOURCE DEVELOPMENT ASSESSMENT STORMWATER AUGMENTATION PROGRAM AS A BRIDGE UNTIL A PERMANENT RECYCLED WATER SUPPLY IS AVAILABLE

The Resource Development Assessment (RDA II) "Stormwater Augmentation Program" is designed to provide supplemental water supplies during a "worst case" drought, which is assumed to be three consecutive five-year droughts with the same hydrologic conditions as the historic five-year drought from 2011 through 2016. The RDA II is an assessment that started at \$40 per acre-foot of water pumped in the Basin in 2016 and increases to \$175 per acre-foot of water pumped by 2020. RDA II funds are used to purchase untreated imported water to supplement the shortage of local stormwater resulting from recent dry periods.

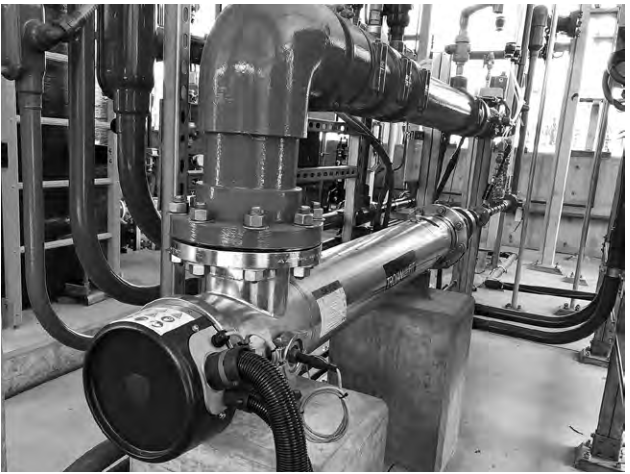
#3 ADVANCING STEADILY: DEVELOP A PERMANENT RECYCLED WATER SUPPLY TO REPLACE IMPORTED WATER DEPENDENCY

Over time, Watermaster's traditional supplemental imported water supplies have grown increasingly expensive and variable. In response, Watermaster, the Responsible Agencies, Producers, and other stakeholders are working with MWD, Sanitation Districts of Los Angeles County, and others to participate in the Regional Recycled Water Program. The Main San Gabriel Basin plans to be a primary storage location for between 40,000 and 70,000 acre-feet of recycled water per year that will be used to replenish the San Gabriel Basin. Recycled water is not subject to drought or other restrictions and can be counted on as a long-term reliable supply.

Because 16 of the past 21 years have been dry, even after a year of good rain, Basin levels begin to decline rapidly. To ensure a reliable water supply, Watermaster must keep the OSY low, maintain the RDA II, continue to pre-purchase imported water, develop the Regional Recycled Program, and promote efficient water use.

nt, Long-Term Water Supply Reliability

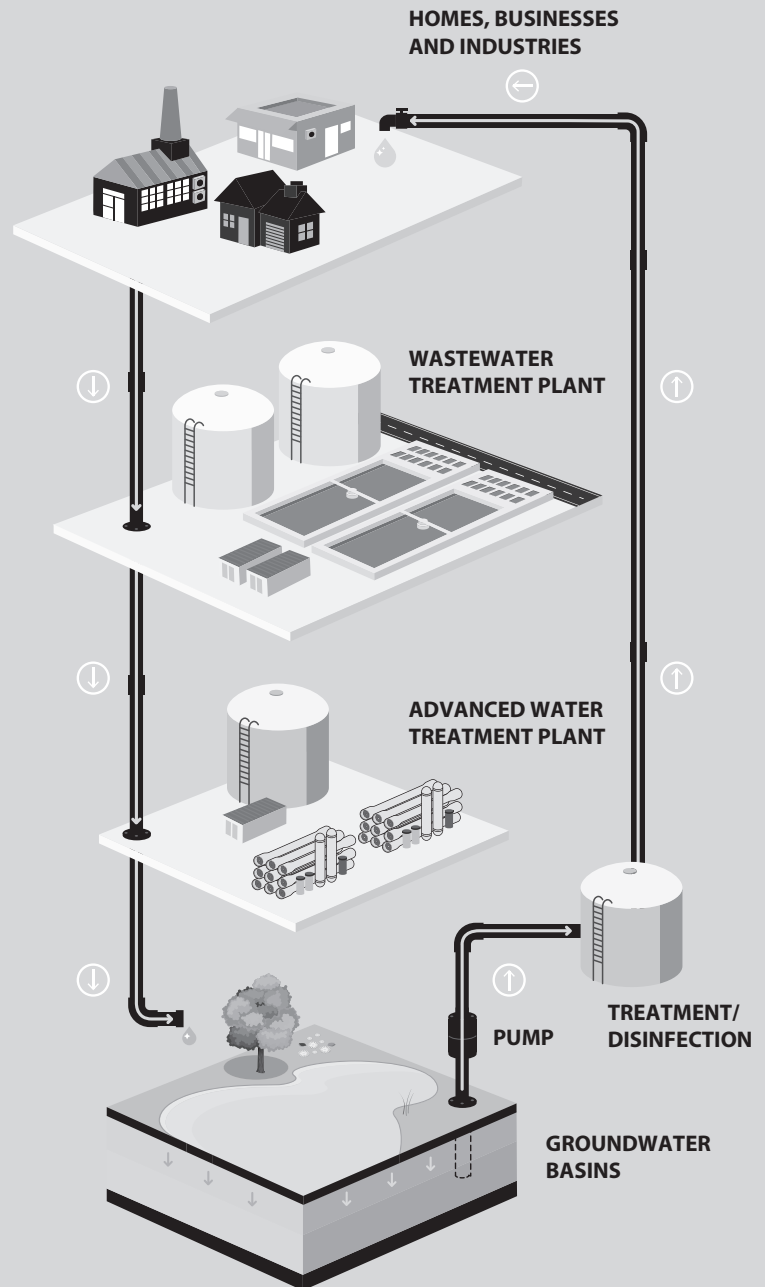
RECYCLED WATER: HOW IT WORKS



A view of the Regional Recycled Water Program demonstration facility.



Reverse osmosis membrane units in the Regional Recycled Water Program demonstration facility.



Recycled water images and graphic courtesy of Metropolitan Water District of Southern California.

Key Elements of Watermaster's Compr

The three-part plan to permanently balance the Basin is just one element of Watermaster's broader set of plans and programs to enhance groundwater management.

VIGOROUS ACTION TO IMPROVE LONG-TERM WATER SUPPLY SECURITY

D*espite periodic wet years like this one, the recent 20-plus years of drier-than-normal conditions reinforce the need to continue Watermaster's long-range plans to balance the Basin.*

FUNDING AND BUYING WATER

Initiating RDA II in 2016 to raise millions of dollars each year to buy water to augment the loss of stormwater replenishment resulting from droughts.

PROVIDING INCENTIVES TO STORE WATER

Incentivizing Producers to pre-purchase water for Cyclic Storage to offset Replacement Water obligations and anticipate imported water needs.

DEVELOPING NEW WATER SOURCES

Participating in the planning and feasibility study of MWD's Regional Recycled Water Program.

PROMOTING CONSERVATION

Conducting public outreach and promoting responsible water use with San Gabriel Valley Water Association and others.

COLLABORATING

Conducted basin-wide Groundwater Level Vulnerability Assessment to help purveyors.

Amended the Judgment to allow management flexibility for developing new supplies and collaborating outside the Basin.

USING TECHNOLOGY AND PLANNING

Established a committee that set strategic OSY guidelines.

Coordinated with other agencies to identify potential storm-water capture projects and enhance existing projects.

Developed a Three-Year Purchased Water Plan to coordinate supplemental water purchases with purveyors and municipal water districts.

PROTECTING WATER RIGHTS

Worked to protect water rights associated with legislation and expansion of the National Recreation Area along the San Gabriel River.

Water impounded behind Morris Dam being released for replenishment into the groundwater Basin.

Photo credit: Los Angeles County Public Works.

Comprehensive Water Management Program

SUMMARY OF WATER SUPPLY ACTIONS

KEY WELL HITS RECORD LOW IN NOVEMBER 2018 AND TRIGGERS DROUGHT PREPARATIONS

By summer 2018, the Key Well was heading towards what would be a historic low. Watermaster began preparing for intensive drought conditions and reconvened its Drought Ad Hoc Committee. The committee implemented a broad range of drought interventions, including ways to bring more water to the Basin and coordinate conservation outreach.

CYCLIC STORAGE AGREEMENTS EXTENDED AND AMOUNTS INCREASED

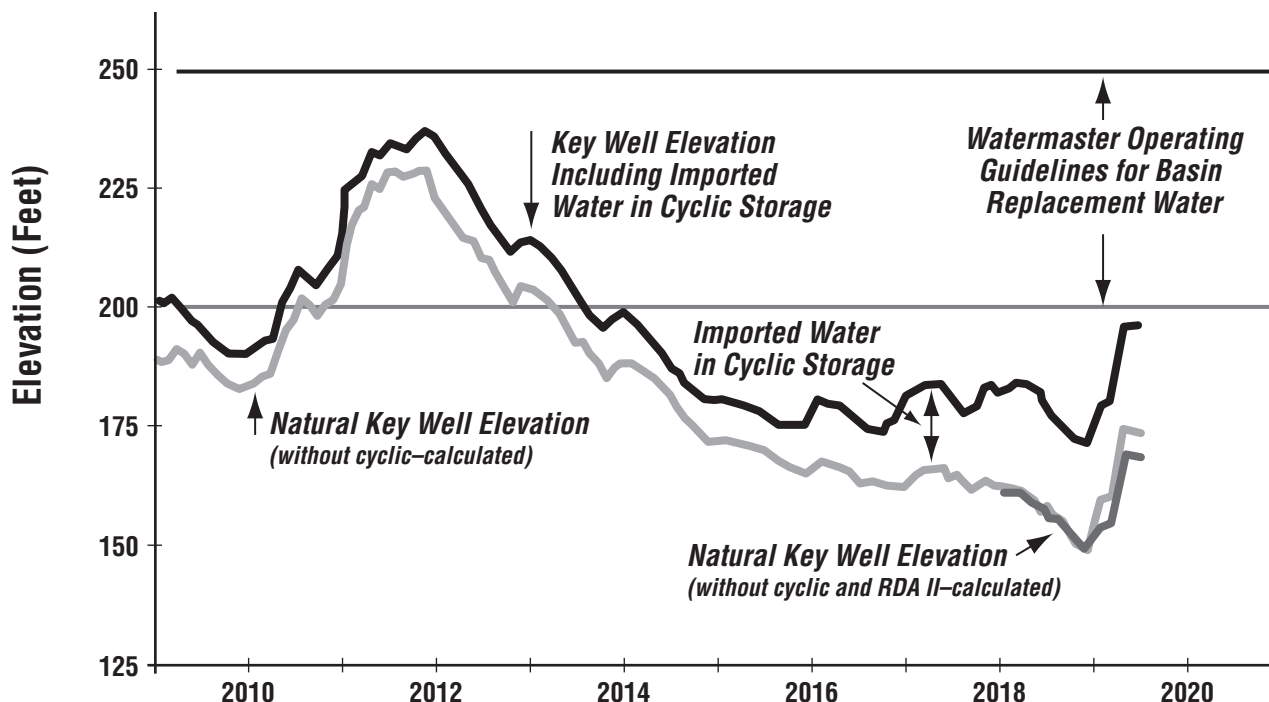
The Cyclic Storage program provides incentives for Producers and MWD to pre-purchase and store available untreated imported water and use that water later instead of purchasing Replacement Water at potentially higher future rates. For example, during 2019, MWD plans to store about 105,000 acre-feet of Cyclic Storage water in addition to the nearly 58,000 acre-feet delivered in 2017. Cyclic Storage also helps to maintain higher water levels, thus saving money and energy through reduced pumping costs.

3D MODEL ASSISTS SAN JOSE CREEK WATER RECLAMATION PLANT PROJECT

Watermaster is using its 3D groundwater model to help Sanitation Districts of Los Angeles County depict and understand groundwater flow, allowing them to set goals and objectives related to water recycling and conveyance.

COLLABORATIVE STUDY ON DEVELOPING NEW WATER SUPPLY FROM STORMWATER

A multiyear study led by the Las Virgenes Municipal Water District is investigating the potential for collecting urban runoff and stormwater and recycling it into a usable new water supply by utilizing existing capacity in wastewater treatment plants. Treating stormwater also improves the quality of runoff and stormwater that currently flows untreated into waterways and eventually the ocean. Watermaster is participating in the study, along with a large group of regional stakeholders, and is helping to fund this project.



The Key Well is about 27 feet higher due to the addition of RDA II water and Cyclic Storage. This is equivalent to about 216,000 acre-feet of water—over a year's supply for the region.

Monitoring & Improving Water Quality

In addition to carrying out extensive monitoring and testing, Watermaster supports cleanup programs throughout the Basin to help fulfill its responsibility to protect and improve water quality.

TESTING AND MONITORING BASIN-WIDE WATER QUALITY



DRINKING WATER QUALITY TESTING

Watermaster conducts State-required Title 22 drinking water quality sampling throughout the Basin for Producers. This enables Watermaster to identify water quality trends on a regional scale that might otherwise go unnoticed at a specific well, and is also more cost effective for producers.

ADDITION TO BASIN-WIDE GROUNDWATER QUALITY MONITORING

To identify and evaluate the location and magnitude of contaminants and the effectiveness of cleanup projects, Watermaster conducts extensive testing at about 200 wells. Watermaster provided parties with an overview of the Per- and Polyfluoroalkyl Substances (PFAS) sampling regulations and added targeted testing for PFAS during 2019. PFAS are found in Teflon, hair products, and other personal and household products.

GROUNDWATER FLOW AND CONTAMINANT MIGRATION PROGRAMS

Watermaster enters groundwater level and quality data into its 3D groundwater computer model to simulate contamination flows, project contaminant concentrations, and develop proactive remedial actions.

PROTECTING AND CLEANING THE GROUNDWATER BASIN

MANAGING THE BALDWIN PARK OPERABLE UNIT (BPOU) AGREEMENT

Watermaster manages the implementation of the BPOU Agreement, the largest cleanup area in the Basin. Watermaster's role includes third-party review and evaluation of the cleanup, accounting services, and technical and administrative coordination on subprojects and committee meetings.

TREATING CONTAMINATED WATER FROM PUENTE VALLEY OPERABLE UNIT (PVOU) FOR BENEFICIAL USE

Following decades of collaborative work, numerous stakeholders agreed on a plan to treat and utilize the water in the PVOU. Watermaster approved the \$40 million project (funded by the parties responsible for the contamination), which includes an agreement to treat the water to drinking water standards for distribution by the end user.

FACILITATING OTHER CLEANUPS AROUND THE BASIN

Watermaster engages with stakeholders and regulatory agencies and oversees Basin cleanup projects at operable units and other cleanup sites to ensure they meet State regulatory standards.

Photo credit: The California Department of Water Resources.

OTHER ACTIONS TO PROTECT AND IMPROVE GROUNDWATER QUALITY

ENSURING WELLS MEET QUALITY AND SUPPLY REQUIREMENTS

Watermaster reviews each application to drill, destroy, or modify a well to ensure it conforms to both water quality and water supply plans and strategies.

ENSURING LANDFILLS DO NOT THREATEN GROUNDWATER QUALITY

Watermaster regularly inspects landfills within the Basin to ensure their operation is consistent with regulatory permits that protect groundwater quality.

COMPLETING THE FIVE-YEAR WATER QUALITY AND SUPPLY PLAN

Every year, Watermaster produces a revised Five-Year Water Quality and Supply Plan. This detailed document includes reports on current water supply and water quality conditions, supporting data, and projected changes over the plan period.

COMPLETING PUBLIC HEALTH GOAL REVIEWS

Watermaster coordinates with water systems that have more than 10,000 customer connections to prepare their Public Health Goal reports, which are required every three years. This includes identifying contaminants associated with health risks, appropriate water treatment technologies to treat them, and estimates of costs to bring contaminant levels down to Public Health Goal levels.

THE BASIN OPERABLE UNITS

These are either United States Environmental Protection Agency (USEPA) or Department of Toxic Substances Control (DTSC) cleanup sites. There are additional non-USEPA/DTSC cleanup sites.

- Baldwin Park Operable Unit (BPOU)
- El Monte Operable Unit (EMOU)
- South El Monte Operable Unit (SEMOU)
- Whittier Narrows Operable Unit (WNOU)
- Puente Valley Operable Unit (PVOU)

Outreach, Communication, and Colla

Working cooperatively with the many Basin stakeholders to implement the terms of the Judgment is key to protecting and improving our water supply and water quality.

EXPANDED OUTREACH AND EDUCATION

MAJOR NEW REGIONAL OUTREACH PROGRAM

Following a careful review of communication and education needs by staff, the Watermaster Board and an Ad Hoc Committee selected a consultant and initiated a Basin Outreach Program focusing on Basin-wide and San Gabriel River Watershed supply sources. The goal is to help the public understand critical regional water issues, including how the watershed and Basin work conjunctively, what makes the Basin unique, and why a wet year in Northern California does not necessarily translate into robust water supplies in the Basin.

Support from the Judge Overseeing the Judgment. The Honorable Maureen Duffy-Lewis, who is responsible for overseeing the Judgment, was strongly supportive of bringing greater awareness to Basin management challenges through outreach, and offered constructive input.

COLLABORATIVE OUTREACH TO THE ASIAN COMMUNITY

The executive officers of Watermaster and the Water Quality Authority engage in quarterly interviews with Chinese language television host, Mr. Jack Zhou. The Watermaster Executive Officer also participates in San Gabriel Valley Municipal Water District's annual Asian media event to inform them on regional groundwater conditions.

PROVIDING ADMINISTRATION AND SHARED SERVICES FOR SEVEN ADDITIONAL AGENCIES

By administering and managing several organizations under one roof, Watermaster helps lower costs and provides enhanced opportunities for all. The seven organizations Watermaster administers are:

- San Gabriel Valley Water Association (SGVWA)
- Raymond Basin Management Board (RBMB)
- San Gabriel Valley Protective Association (SGVPA)
- Central Basin Water Association (CBWA)
- California Groundwater Coalition (CGC)
- Association of Groundwater Agencies (AGWA)
- Foothill Water Coalition (FWC)

boration

COLLABORATION TO IMPROVE OUTCOMES AND LOWER COSTS

PARTNERSHIP WITH WATER PRODUCERS FOR CONSERVATION

Watermaster continues working successfully with Producers and regional agencies to promote water conservation and responsible water use. The recent five-year average water demand is about 9% below the ten-year average.

SUPPORT FOR COUNTY AND CITY IMPLEMENTATION OF MS4 REQUIREMENTS

Municipal Separate Storm Sewer System (MS4) refers to development requirements designed to intercept non-storm runoff before it can be discharged into local streams and rivers, and retain it onsite. Watermaster successfully negotiated language in the legislation which now requires project proponents to obtain review and consent from Watermaster for these proposed projects. Watermaster continues to provide review and guidance on MS4 issues to cities, the County, and others to ensure that water rights concerns are addressed and MS4 augments the water supply without adversely impacting existing adjudications, water rights, and Basin safe yield.

LEADERSHIP IN INTEGRATED REGIONAL WATER MANAGEMENT PLAN (IRWMP)

IRWMP is a super-regional planning effort led by Los Angeles County Department of Public Works in conjunction with county-wide representatives and stakeholders. Watermaster's Assistant Executive Officer is the Chair of the Upper San Gabriel and Rio Hondo River Steering Committee, and the Executive Officer is also on the IRWMP Leadership Committee as Groundwater Representative. This collaborative effort develops mutually beneficial water solutions and obtains State bond funding on a regional basis. Watermaster's participation brings groundwater management to the forefront.

ENGAGEMENT WITH SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION

Watermaster engaged with the San Gabriel Valley Protective Association to improve management of the tracking and accounting between Upper and Lower Areas of the San Gabriel River system.

COLLABORATIVE INVASIVE MUSSELS STUDY

Watermaster is participating in and helping fund a study on protection of local recharge facilities from the effects of invasive mussels. The results will be used by Watermaster and its partners (Orange County Water District, MWD, Los Angeles County Public Works, and others) to develop a Quagga mussel contingency and control plan. Invasive mussels are prolific breeders that can infest water infrastructure, damage equipment, and choke off water transmission.

In 2017, a concern over the potential presence of invasive mussels prevented the delivery of over 20,000 acre-feet of water to the Basin. The mussels are detrimental to native and endangered species, including native fisheries.



Watermaster is participating in efforts to control invasive Quagga mussels that can clog and corrode water facilities, and impact imported water deliveries.

Effective Administration & Financial Ma

Photo credit: The California Department of Water Resources.

Watermaster continually improves its operations, administration, and financial management to ensure that the water community is served efficiently.

EFFECTIVE ADMINISTRATION, OPERATIONS, AND FINANCE

ADMINISTRATIVE ASSESSMENT REMAINS THE SAME

The Administrative Assessment was held unchanged at \$15 per acre-foot on all production. The Assessment remained unchanged for the sixth year in a row due to contained expenses and additional revenue and interest from higher-than-expected water sales.

IN-LIEU ASSESSMENT REMAINS THE SAME

The In-Lieu Assessment was also held unchanged at \$10 per acre-foot on all production to manage the cooperative water exchange agreement accounting.

RESOURCE DEVELOPMENT ASSESSMENT (RDA) INCREASED AS SCHEDULED

As planned, the RDA increased from \$70 per acre-foot last year to \$105 per acre-foot on fiscal year 2018–19 production, and \$140 per acre-foot on fiscal year 2019–20 production. Last year, the RDA raised almost \$14.5 million to purchase over 18,000 acre-feet of reliability storage water.

3D GROUNDWATER MODEL SUPPORTS WATER SUPPLY AND QUALITY PROJECTS

The 3D groundwater computer model allows Watermaster to more fully understand and more effectively manage many aspects of the groundwater Basin, including recharge of recycled water and stormwater, impact of stormwater capture from MS4 programs, and development of MWD's Regional Recycled Water Program.

THREE-YEAR PURCHASED WATER PLAN

The Three-Year Purchased Water Plan was developed to help anticipate the imported water needs of the Producers. Many aspects of Watermaster's operations are reviewed to prepare the Three-Year Plan, including Replacement Water obligations, the RDA II, the in-lieu program, and the OSY.

2018–19 was an above-average year for both rainfall and snow, helping to boost the groundwater Basin.

Management Support the Water Programs

LEGISLATIVE ENGAGEMENT

HELPED AMEND FEDERAL LEGISLATION FOR WATER SUPPLY AND QUALITY PROTECTIONS

At the request of the San Gabriel Valley Water Association (SGVWA), Watermaster provided suggested language to HR 2215 (San Gabriel Mountains Foothills and Rivers Protection Act) to ensure that it protects water rights and water supply operations in the Basin. The legislation would expand the boundaries of the San Gabriel Mountains National Monument to include the western areas of the Angeles National Forest and urban reaches of the San Gabriel River, and would establish a new National Recreation Area to allow resources to flow into the region and increase recreational opportunities for the surrounding communities. It also designates portions of the San Gabriel Mountains area as components of the National Wilderness Preservation System and the Wild and Scenic Rivers System.

RECLASSIFICATION OF BASIN AS LOW PRIORITY

California Department of Water Resources (DWR) classified the Basin as a “Low-Priority” basin under the State’s Sustainable Groundwater Management Act (SGMA) due to Watermaster’s history of long-term responsible management.

The Main San Gabriel Basin is exempt from most of the requirements of SGMA except basic reporting requirements. Nonetheless, Watermaster continues to align its management of the Basin with the SGMA requirements as part of its mission to efficiently manage the quantity and quality of the Basin’s groundwater.

A spreading ground in the San Gabriel Valley.



Photo credit: Los Angeles County Public Works.

OUR PEOPLE MAKE A DIFFERENCE

THANK YOU, JIM BYERRUM

The staff and Board of Directors of Watermaster express our appreciation to Jim Byerrum, who served for ten years as Board Chair and as Producer representative for California Domestic Water Company. Jim retired from the Board in 2019.

During Jim’s tenure, Watermaster and communities across the Basin adapted to the historic five-year drought that began in 2011. In response to the drought and decreased reliability

of imported water supplies, Jim led Watermaster’s Board to assertively facilitate many new advances in management to balance the Basin in the short run and over the long term.

THANK YOU, THOMAS WONG

Though he was only seated for a short time, the staff and Board also wish to thank Thomas Wong for his service to Watermaster as a board member representing San Gabriel Valley Municipal Water District.

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APPENDIX A

SUMMARY OF WATERMASTER ACTIONS
FISCAL YEAR 2018-2019

APPENDIX A

CHRONOLOGICAL SUMMARY OF WATERMASTER ACTIONS FISCAL YEAR 2018-19

Waiver of Assessments

On August 1, 2018, a Public Hearing was held to consider separate requests for waiver of assessments from San Gabriel Valley Water Company (SGVWC) and Valley County Water District (VCWD). Watermaster approved the waiver of Replacement Water assessments on 243.66 acre-feet for SGVWC and approved the waiver of Replacement Water assessments on 17.71 acre-feet for VCWD.

Three-Year Purchased Water Plan

On October 3, 2018, Watermaster received and filed the Three-year Purchased Water Plan as presented.

Cash Investment Policy

On October 3, 2018, Watermaster reaffirmed its Cash Investment Policy.

Cyclic Storage

On August 1, 2018, Watermaster authorized the purchase of 500 acre-feet of water from Upper San Gabriel Valley Municipal Water District (USGVMWD) for Sunny Slope Water Company's individual producer cyclic storage account.

On October 3, 2018, Watermaster authorized the purchase of 150 acre-feet of cyclic storage water from USGVMWD for Valencia Heights Water Company's individual producer cyclic storage account.

On October 3, 2018, Watermaster authorized the purchase of 3,220 acre-feet of cyclic storage water from Three Valleys Municipal Water District (TVMWD) and 104 acre-feet of cyclic storage water from USGVMWD for City of Glendora's individual producer cyclic storage account.

On October 3, 2018, Watermaster authorized the purchase of 5,000 acre-feet of cyclic storage water from USGVMWD for City of Arcadia's individual producer cyclic storage account.

On November 7, 2018, Watermaster authorized the purchase of 10,000 acre-feet of cyclic storage water from USGVMWD for SGVWC's individual producer cyclic storage account.

On December 5, 2018, Watermaster authorized an additional five-year term to the Valencia Heights Water Company cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to City of Alhambra cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to City of Arcadia cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to City of Azusa cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to California American Water Company cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to California Domestic Water Company cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to Covina Irrigating Company cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to City of Glendora cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to Golden State Water Company cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to La Puente Valley County Water District cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to City of Monrovia cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to City of Monterey Park cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to San Gabriel County Water District cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to Suburban Water Systems cyclic storage account.

On January 9, 2019, Watermaster authorized an additional five-year term to Sunny Slope Water Company cyclic storage account.

On February 6, 2019, Watermaster authorized the purchase of 5,000 acre-feet of cyclic storage water from USGVMWD for California American Water Company's individual producer cyclic storage account.

On April 3, 2019, Watermaster authorized a five-year term to United Rock Products cyclic storage account and authorized the purchase of 170 acre-feet of cyclic storage water from USGVMWD for United Rock Products individual producer cyclic storage account.

On June 5, 2019, Watermaster authorized an extension to the TVMWD/Metropolitan Water District of Southern California (MWD)/Watermaster cyclic storage account.

On June 5, 2019, Watermaster authorized the purchase of 200 acre-feet of cyclic storage water from USGVMWD for the City of Monrovia's individual producer cyclic storage account.

On June 5, 2019, Watermaster authorized the purchase of 2,000 acre-feet of cyclic storage water from MWD for TVMWD's cyclic storage account

Election of Producer Nominees for Watermaster for Calendar Year 2019

On November 7, 2018, Watermaster held its annual election of Producer nominees. Producers elected Dan Arrighi, Ron Bow, James Byerrum, David DeJesus, Benjamin Lewis Jr., and David Michalko. USGVMWD submitted the names of Dr. Anthony Fellow and Charles Trevino. SGVMWD submitted the name of Stephen T. Placido. The Court subsequently approved these nominations.

On April 3, 2019, Watermaster held a special election. Ms. Lynda Noriega was elected as Producer Member for the remainder of calendar year 2019, to replace Mr. Byerrum upon his resignation effective May 31, 2019. The Court subsequently approved the nomination.

Annual Report Completed

During October 2018, in accordance with Section 36 of the Judgment, Watermaster prepared the Annual Report and filed it with the Court and Parties by November 1, 2018.

Resource Development Assessment (RDA)

On November 7, 2018, the Executive Officer reported that in fiscal year 2017-18 Watermaster collected funds from the RDA, for a total of \$14,463,063.30. Watermaster authorized the Executive Officer to make the appropriate purchases for reliability storage water supply. The estimated requirement for delivery during fiscal year 2018-19 from USGVMWD is 15,297 acre-feet; from TVMWD is 1,110 acre-feet; and from SGVMWD is 2,471 acre-feet for a total RDA delivery of 18,878 acre-feet.

Replacement Water

On November 7, 2018, Watermaster authorized the purchase of 18,320.61 acre-feet of Replacement Water from the appropriate Responsible Agencies for overproduction from the Basin during Fiscal Year 2017-18.

Election of Watermaster Officers

On January 9, 2019, 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.

On June 5, 2019, Watermaster held an election for the vacant Chair to the Watermaster Board of Directors position. Ms. Lynda Noriega was elected Chair for the remainder of calendar year 2019 term.

Five-Year Plan

Following a public hearing on January 9, 2019, Watermaster adopted the Draft Five-Year Water Quality and Supply Plan (Five-Year Plan), which was received by Watermaster on November 1, 2018.

Watermaster Committee Assignments

On February 6, 2019, Watermaster adopted recommendations for 2019 Watermaster Committee Assignments and representatives to outside organizations as presented. (Table 1)

Resolution Acknowledging the Long-term Water Supply Challenges

On March 6, 2019, Watermaster adopted Resolution No. 02-19294, acknowledging the long-term water supply challenges in the San Gabriel Valley and encouraging reductions in water production.

Cooperative Study on Water Supply Solutions

On April 3, 2019, Watermaster authorized the Executive Officer to enter into an agreement with various agencies to cooperatively prepare and fund a study evaluating opportunities to tap into available capacity in existing infrastructure to create water supply and water quality solutions.

Administration Budget

On April 3, 2019, Watermaster received and filed the Preliminary Draft Administration Budget for FY 2019-20 and Assessments for FY 2018-19 production.

Operating Safe Yield

On May 1, 2019, Watermaster conducted a public hearing and approved Resolution No. 05-19-295 establishing the Operating Safe Yield at 150,000 acre-feet for Fiscal Year 2019-20, 130,000 acre-feet for Fiscal Year 2020-21, 130,000 acre-feet for Fiscal Year 2021-22, 130,000 acre-feet for fiscal year 2022-23, and 130,000 acre-feet for Fiscal Year 2023-24.

Watermaster Assessments and Administration Budget

On May 1, 2019, Watermaster approved Resolution No. 05-19-296, thereby adopting the Administration Budget for Fiscal Year 2019-20 in the amount of \$4,711,042. 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 \$105 per acre-foot on Fiscal Year 2018-19 Production and \$140.00 per acre-foot on Fiscal Year 2019-20 Production. The Replacement Water Assessment for Fiscal Year 2018-19 and Fiscal Year 2019-20 was set at \$200.00 and \$200.00 per acre-foot, respectively, for excess production within SGVMWD; at \$831.00 and \$855.00 per acre-foot, respectively, for excess production within TVMWD; at \$934.00 and \$958.00 per acre-foot, respectively, for excess production within USGVMWD.

Resolution of Appreciation

On June 5, 2019, Watermaster adopted Resolution No. 06-19-297, commemorating the service performed by James Byerrum as Board Chair and a Producer Member of the Watermaster Board.

Puente Valley Operable Unit Water Production Agreements

On June 5, 2019, Watermaster authorized the Executive Officer to sign the Shallow Zone–South Water Production Agreement between Northrup Grumman and Watermaster.

On June 5, 2019, Watermaster authorized the Executive Officer to sign the Water Production and Assessment Agreement with La Puente Valley County Water District.

Watermaster Presentations

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

- Presentation on how Watermaster fits into the overall water management of the San Gabriel Valley to the TVMWD Board and staff. (July 17, 2018)
- Three-year Purchased Water Plan and Basin conditions presentation at San Gabriel Valley Council of Governments (SGVCOG) Water Committee. (October 17, 2018)
- Basin Conditions presentation to the City of Glendora's Water Commission. (January 24, 2019)
- Update on Overall Groundwater Conditions in the San Gabriel Valley to the Monrovia Kiwanis Club. (January 31, 2019)
- Informational Water Supply Update and Outlook to the Alhambra Rotary Club. (March 5, 2019)
- Asian Media Outreach event organized by the SGVMWD. (July 27, 2019)

INTERVIEWS

- Executive Officer was interviewed by Ms. Elizabeth Smilor for Chris Lancaster's California Water Publication to discuss groundwater levels, drought impacts on the Basin, and Basin management strategies. (July 16, 2018)
- Executive Officer participated in an interview with Mr. Jack Zhao from EDI Media, Inc. to discuss California's current groundwater status, along with weather trends and drought. (August 27 and December 4, 2018)
- Executive Officer was interviewed by Mr. Bill Blomquist, author of "Dividing the Waters". The topic was amendments to the Main and Raymond Basins, along with how management strategies have changed as a result of factors that include drought and the Sustainable Groundwater Management Act. (December 5, 2018)
- Executive Officer was interviewed by a local reporter from the City of South Pasadena to discuss groundwater replenishment and assessments. (June 11, 2019)

ORGANIZED/HOSTED/FACILITATED

- Hosted an Association of California Water Agencies Joint Powers Insurance Agency (ACWA/JPIA) training session on Sexual Harassment Avoidance. (August 23, 2018)
- Organized and Participated in the Association of Ground Water Agencies/American Ground Water Trust Annual Conference in Ontario. (February 22-13, 2019)

PARTICIPATED IN/ATTENDED

Conferences/Workshops/Roundtables

- University of California Los Angeles (UCLA) Luskin School roundtable discussion regarding assistance to Disadvantaged Communities. (September 7, 2018)
- Producer Strategic Planning Workshop. (September 12, 2019)
- Waterfest Annual event hosted by USGVMWD and Los Angeles County Department of Parks and Recreation. (October 13, 2019)
- San Gabriel Valley Water Forum. (September 18, 2018)
- Groundwater Resources Association (GRA) Water Congress in Sacramento. (September 25-27, 2018)
- Great Shake Out exercise with the City of Azusa. (October 18, 2019)
- California Water Efficiency Legislation Workshop put on by Waternow Alliance, at MWD. (October 26, 2018)
- California Foundation on the Environment and the Economy (CFEE) Conference in San Diego. (December 6-7, 2018)
- San Gabriel Mountains National Monument Community Collaborative. (January 24, 2019)
- GRA conference in San Diego. (January 28-29, 2019)
- California Groundwater Coalition/GRA Legislative Symposium. (March 26-27, 2019)
- Water Quality Colloquium. (May 2, 2019)
- ACWA Conference in Monterey. (May 6-9, 2019)

Tours

- Vulcan Materials facilities. (August 15, 2018)
- The State Water Project and Agricultural tour including a visit at the Oroville Dam project site, tour of several Delta islands, and agricultural tour with a central valley almond farmer. (March 8-10, 2019)
- USGVMWD. (June 11, 2019)

Board/Committee Meetings

- The Los Angeles County Board of Supervisors meeting as part of the H2O4LA Stakeholder Advisory Committee. (July 17, 2018)
- Southern California Water Utilities Association meeting. (July 26, 2018)
- LA Water Plan Core Committee meeting. (July 26, 2018)
- USGVMWD Board meeting. (February 20, 2019)
- Upper San Gabriel River and Rio Hondo Steering Committee meeting. (March 21, 2019)
- Upper District Finance and Administrative Committee meeting. (April 16, 2019)

Other Meetings

- Meeting with Department of Toxic Substances Control (DTSC) and Water Quality Authority regarding the Whittier Narrows Operable Unit (WNOU) pumping and long-term remedy issues. (July 25, 2018)
- Meeting with Assemblywoman Blanca Rubio regarding water related legislation and how they might impact the San Gabriel Valley Producers. (August 3, 2018)
- Meeting with water managers in the greater Los Angeles area regarding recommendations associated to the proposed County Stormwater Tax. (August 9, 2018)
- Meeting with United States Environmental Protection Agency and other area water managers to look at potential funding options and resource pooling for disadvantaged communities. (September 21, 2018)
- Meetings with MWD regarding cyclic deliveries to the Main Basin. (September 5, 2018)
- Meeting with representatives from SGVCOG, Sanitation Districts of Los Angeles County (LACSD), and Los Angeles County Public Works to discuss *proposed diversion of dry weather flows related to the National Pollutant Discharge Elimination System Municipal Separate Storm Sewer (MS4) Permit*. (November 2018)
- Meeting with representatives from LACSD regarding recycled water flows in the river system. (December 20, 2019)
- Meeting with representatives from the SGVCOG which have been appointed as the project engineer for San Gabriel Valley projects, to discuss issues pertaining to capture amounts and beneficial use. Watermaster staff was asked to take part in the first of many expected project review sessions relating to stormwater capture and dry weather flows, as a result of LACSD's legislation SB 485. (December 3, 2018)
- Meetings with MWD to discuss the Regional Recycled Water Project (Carson), and opportunities to maximize groundwater recharge and Main Basin health. (January 17, 2019)
- Meeting with Assemblywoman Blanca Rubio to discuss the San Gabriel Valley Water Association's (SGVWA's) position on the water tax, as well as conservation and basin sustainability. (February 8, 2019)
- Meeting with Assemblywoman Blanca Rubio to discuss the impacts of pending legislation including the proposed water tax and grace period for setting Maximum Contaminant Levels. (May 10, 2019)
- Presentation of status update to Watermaster's presiding judge at Superior Court of the State of Los Angeles. (June 3, 2019)
- Panel discussion with local water managers on strategies to enact legislation that provides safe drinking water for all of California. (June 28, 2019)

Court Hearings

- San Gabriel Mountains National Monument Hearing. (August 2, 2018)
- A court hearing in which the Water Replenishment District (WRD) has petitioned to replace the three original plaintiffs in the Long Beach Judgment. (January 11, 2019)
- Water Quality Authority's public hearing on the proposed changes to their "act" to address recent issues with election timing with Cities. (January 22, 2019)

Regular Meetings Throughout the Year

- ACWA Region 8 Legislative Committee.
- Baldwin Park Operable Unit Project Committee meetings.
- Central Basin Water Association.
- Greater Los Angeles County Integrated Regional Water Management
- Groundwater Replenishment Coordinating Group.
- Puente Valley Operable Unit meeting.
- San Gabriel Valley Council of Governments meetings (monthly), including the Water Committee and Energy, Environment and Natural Resources Committee.
- San Gabriel Valley Municipal Water District.
- San Gabriel Valley Protective Association.
- San Gabriel Valley Water Association.
- South El Monte and Whittier Narrows Operable Unit stakeholder meetings.
- Three Valleys Municipal Water District.
- Upper San Gabriel Valley Municipal Water District.
- West Fork Working Group.

APPENDIX B

MAIN SAN GABRIEL BASIN WATERMASTER OVERVIEW

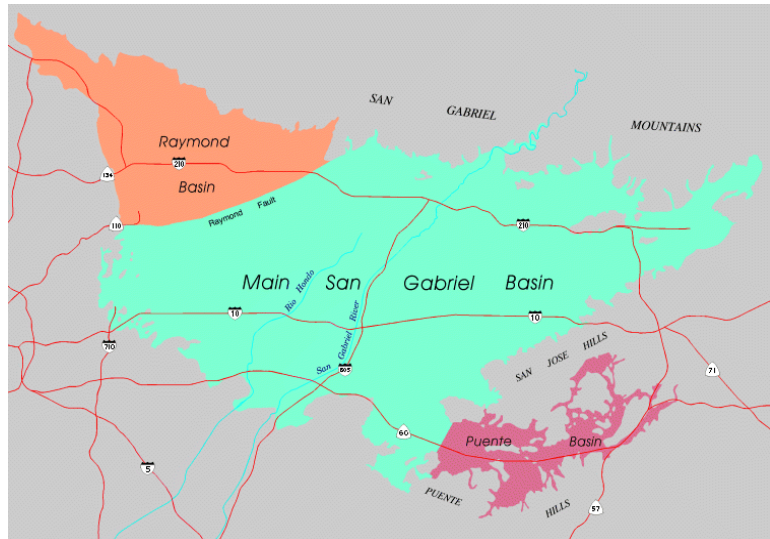
APPENDIX B MAIN SAN GABRIEL BASIN OVERVIEW

Introduction

The Main San Gabriel Basin is situated in the southeasterly portion of Los Angeles County, 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.

Formation and Purpose of Watermaster

The Main San Gabriel Basin groundwater and surface water rights were adjudicated in 1973, and the Court established 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 its 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..."



Overview

County: Los Angeles (southeasterly portion)

Area: 107,000 acres/167 square miles

Population: 1,275,187 (2010 Census)

CASGEM RANK: Not Ranked (Pursuant to document entitled "2018 SGMA Basin Prioritization Process and Results")

Watermaster: Main San Gabriel Watermaster

Members: Nine-person board appointed by LA County Superior Court; six elected by water Producers, three nominated by municipal water districts.

Court Case: 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)

Basin Location and Description:

The Main San Gabriel Basin occupies most of the San Gabriel Valley. It encompasses about 107,000 acres, and the amount of groundwater in storage was 8.6 million acre-feet when the groundwater elevation at the Baldwin Park Key Well was 316 feet. In general, one foot of groundwater elevation change is equivalent to about 8,000 acre-feet in storage. Hydrogeologically, the San Gabriel groundwater basin is divided between three adjudicated sub-basins: Main Basin, Puente Basin, and portions of Six Basins area. In addition, there is the Spadra sub-basin, which is not adjudicated. Collectively, 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. The San Gabriel River and Rio Hondo, a distributary of the San Gabriel River, drain the San Gabriel River watershed. The Puente Basin is in the southeast and is a tributary of the Main San Gabriel Basin. The Six Basins area is located in the northeast and a portion is tributary of 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 the 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. Total production over the past ten years, including groundwater and treated local surface water has been decreasing, (averaging about 217,400 acre-feet between 2009-10 and 2018-19, about 197,600 acre-feet between 2014-19 and 2018-19, and about 190,200 acre-feet during fiscal year 2018-19). The majority of pumping is conducted by municipal water purveyors, and a lesser amount of production is conducted by rock and gravel companies. Most communities depend almost entirely on Main San Gabriel Basin groundwater for their water supply, and also benefit from indirect access to untreated imported water, which is used 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 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 Main San Gabriel Basin water users to guarantee a defined and calculated annual amount of water to downstream basins. For several years, the Upper San Gabriel Valley Municipal Water District (USGVMWD) administered and took responsibility for the Main San Gabriel Basin's obligations to these downstream 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 Upper San Gabriel Valley Municipal 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

Type of action: Stipulated Judgment and lawsuit

Adjudication initiated: 1968

Adjudication finalized: 1973

Revisions or amendments: 1989, 1991, 1992, 2012

Other significant dates: 1965 Long Beach Judgment and 1972 Puente Narrows Agreement

Costs: \$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 Basin 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, which are surface rights held by parties not owning groundwater (prescriptive) pumping right. 3) Integrated production rights held by Producers with combined surface and groundwater rights, which allows for greater diversions and use of less groundwater in wet years, and then carrying over unused prescriptive rights to the following year. 4) Special rights that are 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 quality improvement purposes and enter into agreements with the EPA to facilitate groundwater cleanup. In 2012, Watermaster was given authority to develop and levy a Water Resource Development assessment (RDA) to bring additional untreated imported water into the Main San Gabriel Basin. Initially, Watermaster levied an RDA (referred to as RDA I) to create an emergency reserve of untreated imported water stored in the Main San Gabriel Basin to be used in the event untreated imported water was not available to satisfy a Replacement Water obligation. As a result of the prolonged drought, Watermaster and the Producers cooperatively developed the RDA II program, which generates revenue to purchase untreated imported water to supplement the lack of stormwater replenishment as the result of continued drought conditions. The RDA II program is also complimentary to the groundwater basin management mandate included in the "Sustainable Groundwater Management Act" (SGMA).

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

Main San Gabriel Basin Watermaster is a nine-person board, appointed by Los Angeles County Superior Court, which 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. Its 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 untreated imported water for groundwater replenishment; raising revenue by means of assessments and acquiring and spreading untreated imported water to supplement the lack of stormwater runoff; 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 groundwater basin replenishment from local stormwater runoff is coordinated with replenishment of supplemental SWP water. The San Gabriel Basin Water Quality Authority obtains some funding for the Main San Gabriel Basin's cleanup activities. The San Gabriel River Watermaster calculates the Main San Gabriel Basin's credits and debits pursuant to the terms of the Long Beach Judgment.

Management Strategies

Main San Gabriel Basin demand is satisfied 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 historically has been delivered for Main San Gabriel Basin replenishment (Replacement Water). Also, during fiscal year 2016-17, Watermaster implemented the RDA II program to deliver untreated imported water to the Main San Gabriel Basin to supplement stormwater runoff replenishment. The RDA II program delivered about 18,000 acre-feet to the Main San Gabriel Basin during fiscal year 2018-19 and, when fully implemented in fiscal year 2021-22, will deliver about 40,000 acre-feet per year to the Main San Gabriel Basin. The typical Main San Gabriel Basin operating range for water levels is between 200 and 250 feet MSL (above mean sea level).

There are about 17 spreading basins in the Main San Gabriel Basin, covering more than 1,100 acres, which are operated by Los Angeles County Department of Public Works (LACDPW) or other agencies capable of capturing storm-water runoff from adjacent canyons and/or imported water. 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, recycled and imported water for groundwater replenishment, and identify future needs and potential replenishment facilities.

Watermaster, municipal water districts, and Producers have various cyclic storage agreements in 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. Metropolitan also delivers replenishment water to the Main San Gabriel Basin, through sales to Three Valleys Municipal Water District and Upper San Gabriel Valley Municipal Water District. During calendar year 2017 and again during calendar year 2019, Metropolitan entered into separate agreements to deliver untreated imported water into the Main Basin, with payment arrangements for the water occurring in equal amounts over five consecutive years.

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 Basin-wide 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 a quarterly report with the Watermaster showing the total pumping and diversion amounts.

Safe Yield

Groundwater storage capacity was determined by Department of Water Resources (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 but is close to 185,000 acre-feet based on 2016 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 amounts, and groundwater levels. In 2005-06 the OSY was 240,000 acre-feet, and in 2018-19 the OSY was 150,000 acre-feet. Producers may pump in excess of annual pumping rights but must pay for supplemental untreated imported water to replenish the basin. Any entity that wishes to spread or store supplemental water within the Main San Gabriel Basin for later recovery must have a cyclic storage agreement with the Watermaster. These agreements typically 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 was considered over drafted since 1953, which prompted the Main Basin adjudication. Since establishment of Main San Gabriel 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 was 294 feet. In 2018 the groundwater elevation at the Key Well was 169 feet, which represents a historic low. Watermaster established the OSY for 2018-19 of 150,000 acre-feet, while the annual pumping production in 2018-19 was approximately 183,100 acre-feet. Consequently, the Replacement Water obligation including withdrawal from producer cyclic storage, was about 34,500 acre-feet.

Water Quality Issues

Four areas of the San Gabriel Valley Groundwater Basin are Superfund Sites. Contaminants such as Trichloroethylene, Perchloroethylene, Carbon Tetrachloride, Perchlorate, N-Nitrosodimethylamine, and 1, 4-Dioxane impact Whittier Narrows, Puente Basin, Baldwin Park and El Monte areas. As an example, 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 tens of millions of dollars towards research, cost recovery, and treatment plant construction. Those facilities have operated for over 17 years and continue to operate.

Drought

Watermaster has taken a number of initiatives to address water shortages. These include establishing a reliability storage program with a target reserve of 100,000 acre-feet of untreated imported water (RDA I); implementing a stormwater augmentation program with a target delivery of 40,000 acre-feet per year of untreated imported water for general Basin benefit (RDA II); implementing a new assessment to pay for these two programs; looking into imported Colorado River water on a limited basis for additional supply; and expanding retail conservation outreach efforts.

Production and Replenishment For 2018-19

Management efforts are being made to ramp down pumping and 2018-19 groundwater production was approximately 183,100 acre-feet. This was higher than the OSY for 2017-18 at 150,000 acre-feet. After considering the use of carry-over rights for some of the production, about 34,500 acre-feet will need to be delivered as untreated imported water (a portion of which will be deducted from Producers cyclic storage accounts).

Adjudication Effectiveness

The groundwater level in the Baldwin Park Key Well is used by 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 35 years from a high in 1983 to a low in 2018. Nonetheless, over the four decades between its formation in 1972 and the historic extreme drought that began in 2011, Watermaster succeeded in balancing Basin supplies—with the Key Well level starting and ending that 40-year period essentially unchanged.

Over the past decade, however, winters have generally been drier. With very low local water supplies available during the historic drought the Key well level began falling. Watermaster undertook extensive new management actions to respond to the drought as described above under Drought. Nonetheless, in 2018 the groundwater elevation at the well was 169 feet, which represents a historic low.

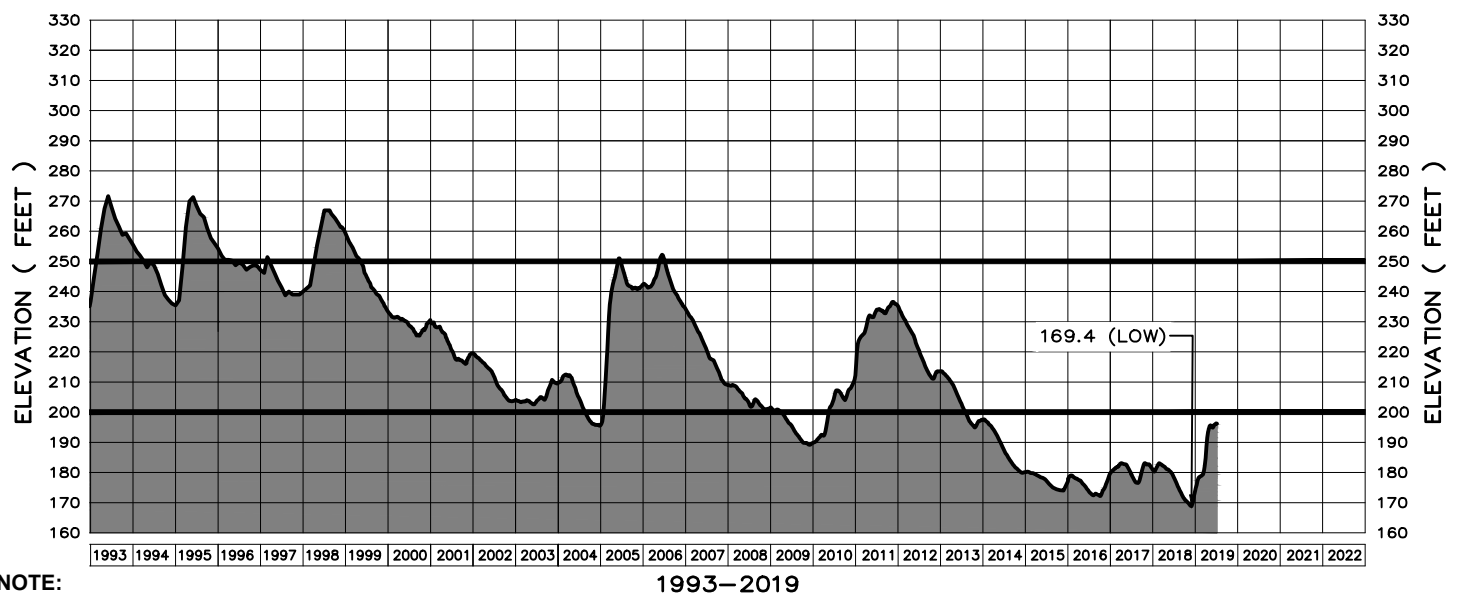
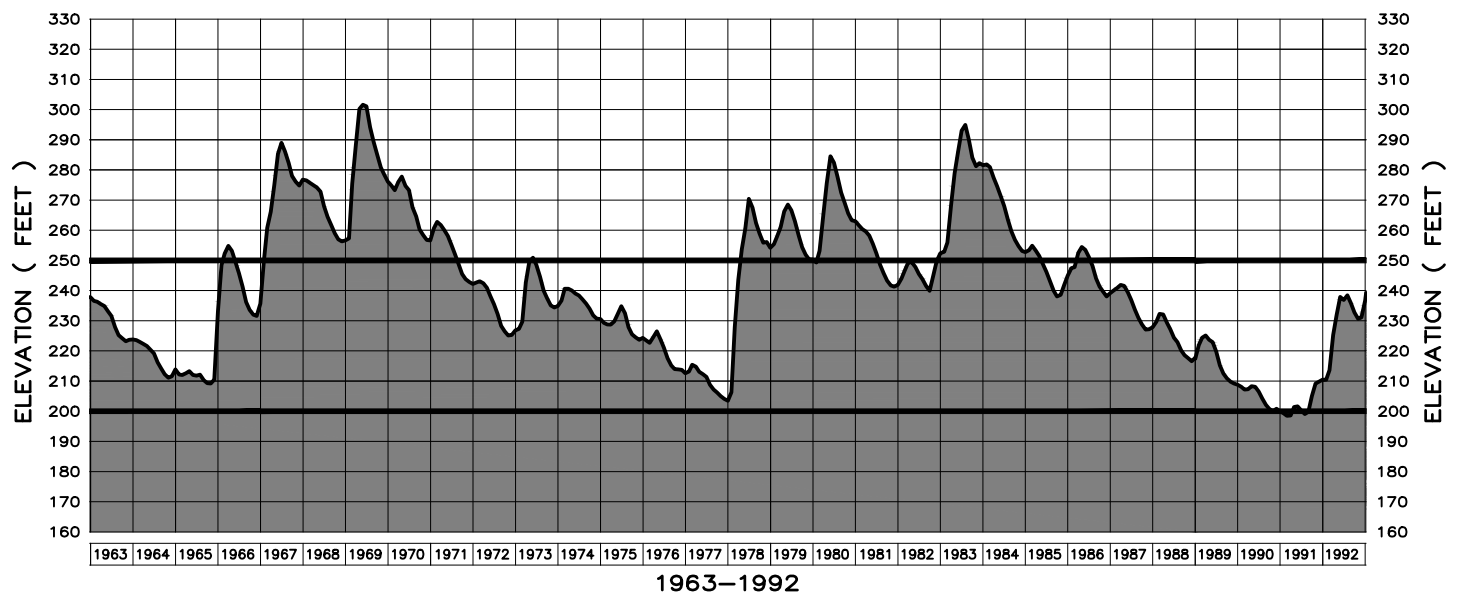
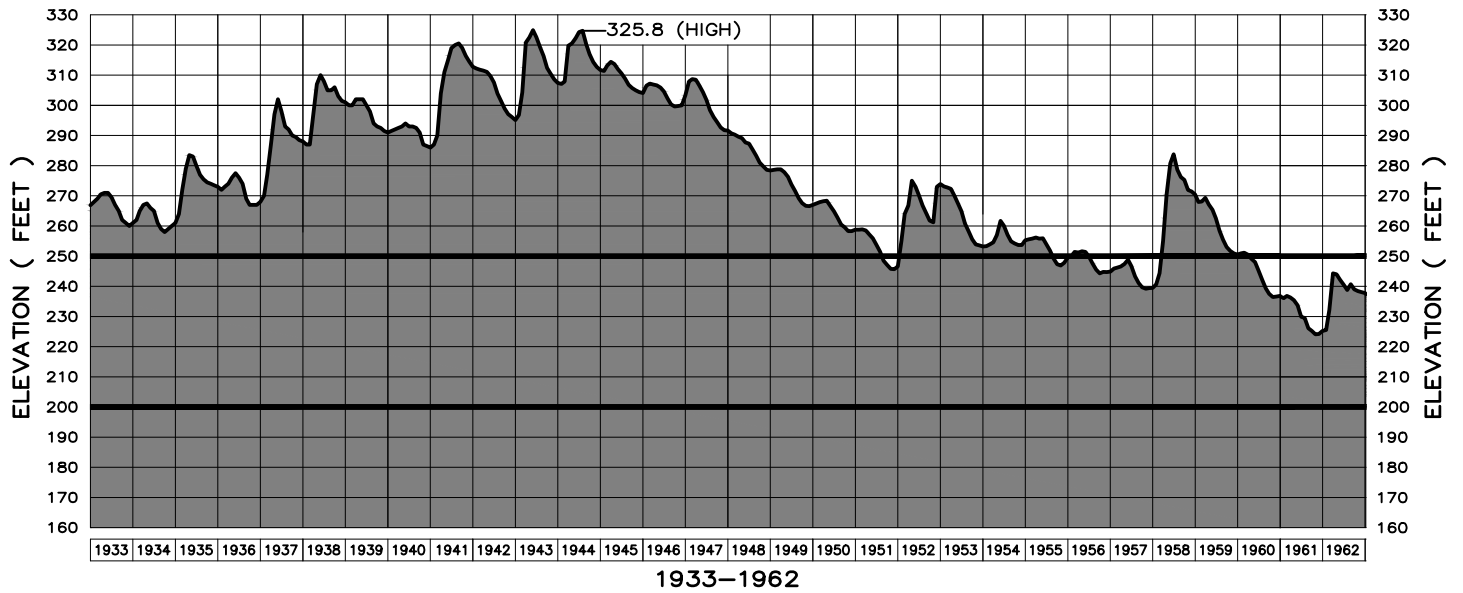
Consequently, Watermaster has implemented a series of actions to ensure reliable water supplies and to maintain Basin groundwater levels. These actions include: 1) maintaining a low Operating Safe Yield (OSY), 2) *collecting increasing amounts of funds through the Resource Development Assessment to purchase and replenish the Basin with imported water whenever available to help counter the impacts of future extreme droughts*, and 3) *collaborating on the Metropolitan Water District (MWD) Regional Recycled Water Program, which will deliver large amounts of highly treated recycled water into the Basin to supplement imported supplies, and decreased local runoff in dry years*.

Overall, the management structure has been effective in its ability 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).

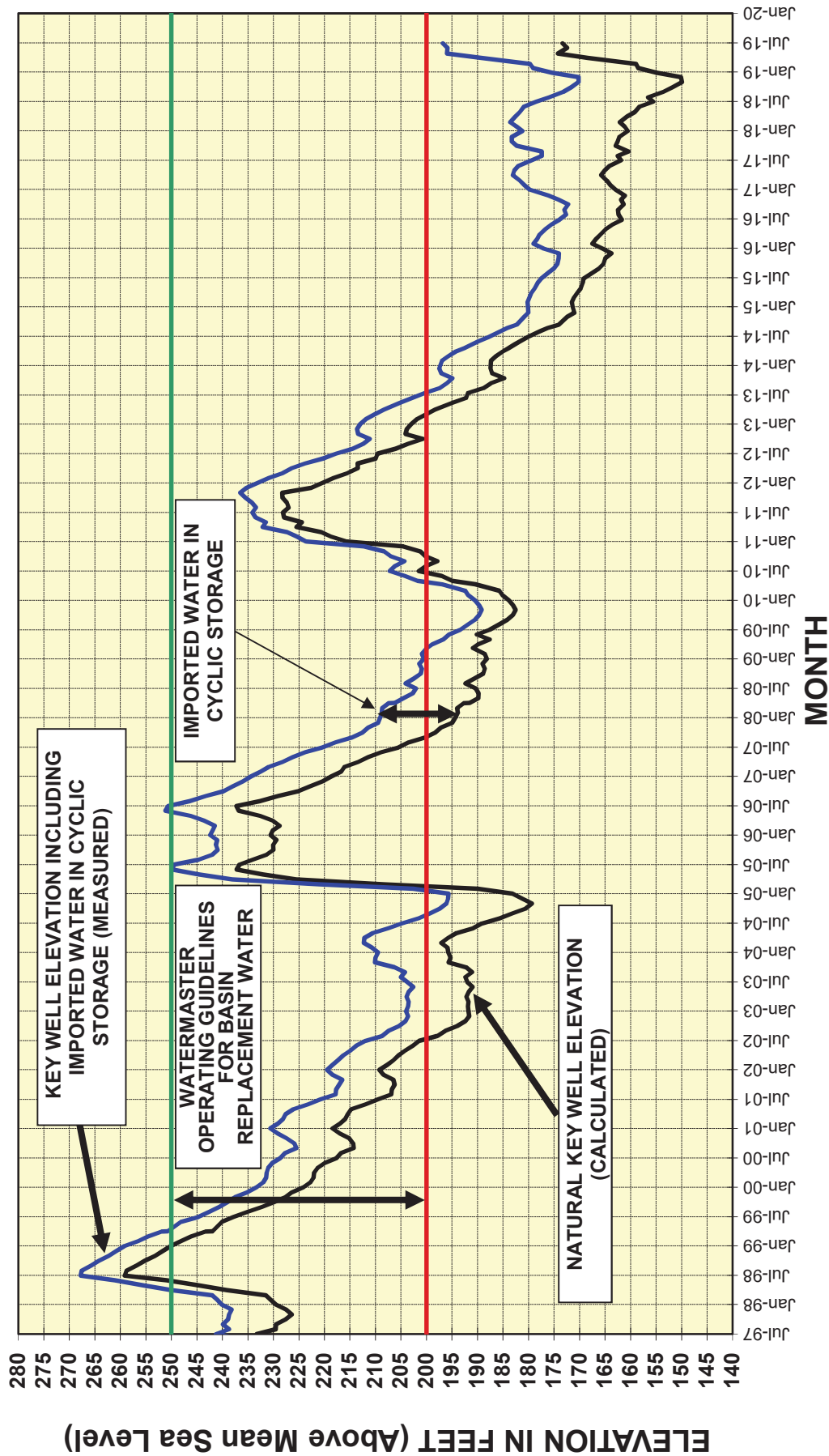
APPENDIX C

HYDROGRAPH OF BALDWIN PARK KEY WELL

APPENDIX C HYDROGRAPH OF BALDWIN PARK KEY WELL



NOTE:
GROUND SURFACE ELEVATION 386.7'
HISTORIC RECORDED HIGH 329.1' May 19, 1916
HISTORIC RECORDED LOW 169.4' November 21, 2018



MAIN SAN GABRIEL BASIN WATERMASTER

**BALDWIN PARK KEY WELL
GROUNDWATER ELEVATION**



APPENDIX D

PUENTE NARROWS WATERMASTER REPORT

April 16, 2019

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

RE: Puente Narrows Underflow, Fiscal Year 2018-19

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 2018-19. 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 2018 were collected on October 10, 2018 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 2019 were collected on April 4, 2019 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 2018 and Spring 2019 static water levels at the key wells, the subsurface flow was determined to be 980 acre-feet for fiscal year 2018-19, 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).

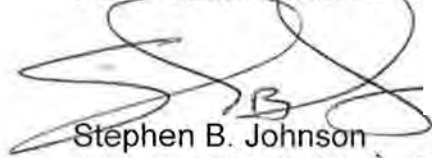
By Agreement dated November 30, 1989, Puente Basin Water Agency and Upper San Gabriel Valley Municipal Water District agreed that groundwater extracted from Puente Basin that is treated and discharged to the lined channel, and then percolated in the Main Basin as part of Carrier Corporation's cleanup 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.

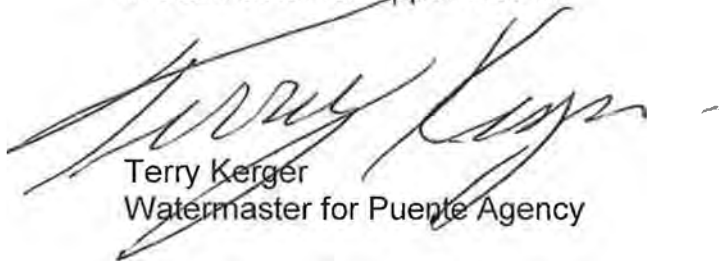
Table 3 shows the Groundwater Extraction for Cleanup Purposes, Deliveries to Rowland Water District, Discharge to Sanitary Sewer, Total Evaporation Losses, Unusable Outflow to Ocean, Annual Cleanup Extraction Credit, accumulated Annual Cleanup Extraction Credit, Accumulated Credit or Debit of Puente 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 (FEET)	ELEVATION OF WATER TABLE (FEET)	DIFFERENCE IN WATER LEVELS (FEET)	DISTANCE BETWEEN WELLS (FEET)	HYDRAULIC GRADIENT	AVERAGE WATER LEVEL ELEVATION (FEET)	UNDERFLOW FOR 2018-19 (ACRE-FEET)
<u>FALL 2018</u>									
2S/10W-9Q ¹	10/10/2018	371	39.9	331.1					
2S/10W-8E3	10/10/2018	327	53.7	273.3	57.8	7,700	0.00751	302.2	--
<u>SPRING 2019</u>									
2S/10W-9Q ¹	4/4/2018	371	31.2	339.8					
2S/10W-8E3	4/4/2018	327	48.8	278.2	61.6	7,700	0.00800	309.0	--
TOTAL:								611.2	
AVERAGE:								305.6	980 ²

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)
Fiscal Year	Accumulated Base Underflow In Acre-feet (580 AF/Yr)	Subsurface Flow In Acre-feet Annual	Accumulated	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	Adjusted Accumulated Credit(+) or Debit(-) of Puente Agency (from Table 3)
1972-73	580	692	692	0	0	692	+112
1973-74	1,160	796	1,488	0	0	1,488	+328
1974-75	1,740	710	2,198	0	0	2,198	+458
1975-76	2,320	732	2,930	0	0	2,930	+610
1976-77	2,900	658	3,588	0	0	3,588	+688
1977-78	3,480	730	4,318	0	0	4,318	+838
1978-79	4,060	850	5,168	0	0	5,168	+1,108
1979-80	4,640	930	6,098	0	0	6,098	+1,458
1980-81	5,220	820	6,918	0	0	6,918	+1,698
1981-82	5,800	845	7,763	0	0	7,763	+1,963
1982-83	6,380	850	8,613	0	0	8,613	+2,233
1983-84	6,960	798	9,411	0	0	9,411	+2,451
1984-85	7,540	820	10,231	0	0	10,231	+2,691
1985-86	8,120	840	11,071	0	0	11,071	+2,951
1986-87	8,700	850	11,921	0	0	11,921	+3,221
1987-88	9,280	880	12,801	0	0	12,801	+3,521
1988-89	9,860	890	13,691	0	0	13,691	+3,902
1989-90	10,440	910	14,601	0	0	14,601	+4,490
1990-91	11,020	905	15,506	0	0	15,506	+5,239
1991-92	11,600	925	16,431	0	0	16,431	+5,943
1992-93	12,180	890	17,321	0	0	17,321	+6,579
1993-94	12,760	845	18,166	0	0	18,166	+7,289
1994-95	13,340	860	19,026	0	0	19,026	+7,811
1995-96	13,920	810	19,836	0	0	19,836	+8,342
1996-97	14,500	820	20,656	0	0	20,656	+9,004
1997-98	15,080	840	21,496	0	0	21,496	+9,385
1998-99	15,660	750	22,246	0	0	22,246	+9,796
1999-00	16,240	760	23,006	0	0	23,006	+10,347
2000-01	16,820	860	23,866	0	0	23,866	+11,033
2001-02	17,400	890	24,756	0	0	24,756	+11,550
2002-03	17,980	940	25,696	0	0	25,696	+12,045
2003-04	18,560	960	26,656	0	0	26,656	+12,554
2004-05	19,140	960	27,616	0	0	27,616	+13,018
2005-06	19,720	860	28,476	0	0	28,476	+13,433
2006-07	20,300	950	29,426	0	0	29,426	+13,925
2007-08	20,880	940	30,366	0	0	30,366	+14,366
2008-09	21,460	960	31,326	0	0	31,326	+14,746
2009-10	22,040	945	32,271	0	0	32,271	+15,111
2010-11	22,620	985	33,256	0	0	33,256	+15,516
2011-12	23,200	890	34,146	0	0	34,146	+15,826
2012-13	23,780	930	35,076	0	0	35,076	+16,176
2013-14	24,360	985	36,061	0	0	36,061	+16,581
2014-15	24,940	980	37,041	0	0	37,041	+16,981
2015-16	25,520	1,010	38,051	0	0	38,051	+17,411
2016-17	26,100	970	39,021	0	0	39,021	+17,801
2017-18	26,680	995	40,016	0	0	40,016	+18,216
2018-19	27,260	980	40,996	0	0	40,996	--

TABLE 3

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

Fiscal Year	(1) Groundwater Extraction For Cleanup Purposes	(2) Less: Deliveries To Rowland Water District	(3) Discharge To Sanitary Sewer	(4) Evaporation Losses	(5) Unusable Outflow To Ocean	(6) (1-2-3-4-5) Annual Cleanup Extraction Credit	(7) Accumulated Annual Cleanup Extraction Credit	(8) Accumulated Credit(+) or Debit(-) of Puente Agency (from Table 2)	(9) (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
2016-17	99	99	0	0	0	0	4,880	+12,921	+17,801
2017-18	59	53	6	0	0	0	4,880	+13,336	+18,216

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

Note: Fiscal year 2018-19 adjustment to subsurface flow was not made due to incomplete data. The adjustment will be included in the Spring 2020 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	464.90
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	--	30000	--	251.8	30251.8
1968-69	--	20,700.70	--	625.80	21,326.50
1969-70	--	326.70	--	366.30	693.00
1970-71	--	205.1	--	481.8	686.90
1971-72	--	3,132.90	--	248.10	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	44.90	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	0.00	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	33,061.40	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	125,205.60	75,443.70	18,632.00	25,004.30	119,080.00
2004-05	84,096.46	18,639.50	12,462.00	21,101.20	52,202.70
2005-06	106,746.35	75,951.30	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	15,563.20	22,544.00	20,914.00	59,021.20
2013-14	61,428.12	34,779.20	2,318.00	21,835.50	58,932.70
2014-15	67,621.29	47,910.30	1,207.00	14,918.30	64,035.60
2015-16	57,510.45	21,863.10	9,186.00	13,539.60	44,588.70
2016-17	117,594.17 3/	43,696.20	23,132.40	24,817.10	91,645.70
2017-18	153,736.18 4/	60,986.90	20,157.60	22,564.60	103,709.10
2018-19	167,775.20 5/	57,859.90	15,539.00	24,326.06	97,724.96
TOTALS	--	1,656,826.59	472,144.00	634,629.41	2,763,600.00

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 12,756.00 acre-feet of RDA water and 14,384.31 acre-feet of Puente Basin Water Agency stored water.

4/ Includes 12,756.00 acre-feet of RDA water and 12,158.36 acre-feet of Puente Basin Water Agency stored water.

5/ Includes 12,756.00 acre-feet of RDA water and 10,677.32 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								
	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
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	--	--	--	21,006.90
1976-77	2.90	10,752.60	2,654.90	675.80	52.40	--	--	--	14,138.60
1977-78	0.00	14,962.50 2/	2,981.70	1,712.50 3/	0.00	--	--	--	19,656.70
1978-79	0.00	24,000.00 2/	3,486.10	2,114.00	0.00	--	--	--	29,600.10
1979-80	0.00	4,740.60	3,191.00	2,939.40	0.00	--	--	--	10,871.00
1980-81	0.00	0.00	3,130.70	4,379.80	0.00	--	--	--	7,510.50
1981-82	0.00	40,824.70	2,853.70	3,971.70	0.00	--	--	--	47,650.10
1982-83	0.00	22,934.40	2,256.30	5,026.60	3,189.30	--	--	--	33,406.60
1983-84	0.00	0.00	1,907.10	6,369.80	3,246.70	0.00	--	--	11,523.60
1984-85	0.00	0.00	2,395.50	7,629.70	0.00	0.00	--	--	10,025.20
1985-86	0.00	3,000.00	2,600.80	7,619.50	47,405.40	0.00	--	--	60,625.70
1986-87	0.00	19,354.30	2,484.20	7,947.70	23,991.10	0.00	--	--	53,777.30
1987-88	0.00	28,187.30	3,751.30	9,567.40	5,975.00	0.00	--	--	47,481.00
1988-89	0.00	39,100.00	3,726.60	8,366.70	110.70	0.00	--	--	51,304.00
1989-90	0.00	32,740.20	1,716.10	12,252.90	0.00	0.00	--	--	46,709.20
1990-91	0.00	16,078.60	2,734.10	10,656.30	14,453.50	13,112.70	--	--	57,035.20
1991-92	0.00	7,491.90	2,214.00	8,407.90	23,525.90	3,305.90	--	--	44,945.60
1992-93	0.00	16,077.97	2,478.10 4/	6,991.10	10,214.60	18,916.73	--	--	54,678.50
1993-94	0.00	0.00	3,214.00 6/	4,421.10	0.00	23,050.80	--	--	30,685.90
1994-95	0.00	0.00	3,178.10	4,218.70	6,177.10	0.00	--	--	13,573.90
1995-96	0.00	15,467.80	3,149.90	3,667.10	85.20	0.00	--	--	22,370.00
1996-97	0.00	3,934.10	3,304.50	3,620.10	32,229.90	0.00	--	--	43,088.60
1997-98	0.00	21,409.60	3,392.70	4,011.40	24,870.20	0.00	--	--	53,683.90
1998-99	0.00	0.00	3,353.40	3,777.80	0.00	0.00	--	--	7,131.20
1999-00	0.00	13,645.60	3,508.30	7,642.80	24,416.20	0.00	--	--	49,212.90
2000-01	0.00	10,412.80	3,285.30	5,784.90	14,624.30	0.00	--	--	34,107.30
2001-02	0.00	25,232.27	3,438.90	14,907.20	1,944.90	0.00	--	--	45,523.27
2002-03	0.00	33,551.42	3,018.30	17,668.20	0.00	0.00	--	--	54,237.92
2003-04	0.00	14,166.20	3,058.30	24,616.20	33,603.00	0.00	--	--	75,443.70
2004-05	0.00	5,744.20	2,998.00	9,897.30	0.00	0.00	--	--	18,639.50
2005-06	0.00	48,069.20	2,815.50	8,165.80	16,900.80	0.00	--	--	75,951.30
2006-07	0.00	0.00	2,963.30	11,326.80	4,159.20	0.00	--	--	18,449.30
2007-08	0.00	0.00	3,027.20	13,930.70	5,724.40	0.00	--	--	22,682.30
2008-09	0.00	0.00	3,064.90	5,468.00	0.00	0.00	--	--	8,532.90
2009-10	0.00	16,076.40	2,611.50	3,945.30	0.00	0.00	--	--	22,633.20
2010-11	0.00	23,737.90	2,428.20	1,001.10	0.00	11,646.50	--	--	38,813.70
2011-12	0.00	3,257.20	2,999.40	975.40	0.00	18,169.10	--	--	25,401.10
2012-13	0.00	2,034.70	3,037.40	491.10	0.00	7,965.30	2,034.70	--	15,563.20
2013-14	0.00	0.00	2,983.90	506.40	0.00	31,288.90	0.00	--	34,779.20
2014-15	0.00	0.00	2,711.70	6,357.70	4,031.54	29,809.36	5,000.00	--	47,910.30
2015-16	0.00	0.00	2,486.50	137.60	3,107.00	10,510.00	0.00	5,622.00	21,863.10
2016-17	0.00	0.00	2,876.90	319.70	0.00	35,786.60	0.00	4,713.00	43,696.20
2017-18	0.00	0.00	2,987.20	1,216.60	44,311.10	3,236.00	0.00	9,236.00	60,986.90
2018-19	0.00	0.00	2,943.90	2,475.70	16,519.30	20,624.00	0.00	15,297.00	57,859.90
TOTALS	135,719.70	537,837.76	125,399.40	268,915.20	377,489.84	227,421.89	7,034.70	34,868.00	1,714,686.49

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	Cyclic Storage Account					
	Transfer To Replacement Water	Transfer from SGVMWD	Transfer To Producer Cyclic Storage	Transfer To Watermaster Pre-Purchases	Net To Cyclic Storage	Cyclic Storage At End Of Year
1963-64	--	--	--	--	--	--
1964-65	--	--	--	--	--	--
1965-66	--	--	--	--	--	--
1966-67	--	--	--	--	--	--
1967-68	--	--	--	--	--	--
1968-69	--	--	--	--	--	--
1969-70	--	--	--	--	--	--
1970-71	--	--	--	--	--	--
1971-72	--	--	--	--	--	--
1972-73	--	--	--	--	--	--
1973-74	--	--	--	--	--	--
1974-75	--	--	--	--	--	--
1975-76	0.00	--	--	--	12,621.10	12,621.10
1976-77	0.00	--	--	--	52.40	12,673.50
1977-78	12,673.50	--	--	--	-12,673.50	0.00
1978-79	0.00	--	--	--	0.00	0.00
1979-80	0.00	--	--	--	0.00	0.00
1980-81	0.00	--	--	--	0.00	0.00
1981-82	0.00	--	--	--	0.00	0.00
1982-83	0.00	--	--	--	3,189.30	3,189.30
1983-84	0.00	--	1,573.60	--	1,673.10	4,862.40
1984-85	0.00	--	0.00	--	0.00	4,862.40
1985-86	0.00	--	0.00	--	47,405.40	52,267.80
1986-87	5,645.80	--	0.00	--	18,345.30	70,613.10
1987-88	4,812.70	--	0.00	--	1,162.30	71,775.40
1988-89	0.00	--	0.00	--	110.70	71,886.10
1989-90	13,597.80	--	0.00	--	-13,597.80	58,288.30
1990-91	29,323.40	--	0.00	--	-14,869.90	43,418.40
1991-92	24,465.60	--	28,811.00	--	-29,750.70	13,667.70
1992-93	0.00	--	26,236.20	--	-1,021.60 5/	12,646.10
1993-94	3,760.42	--	321.58	--	-4,082.00	8,564.10
1994-95	0.00	--	0.00	--	6,177.10	14,741.20
1995-96	0.00	--	0.00	--	85.20	14,826.40
1996-97	14,054.60	--	0.00	--	18,175.30	33,001.70
1997-98	14,001.00	--	0.00	--	10,869.20	43,870.90
1998-99	13,794.10	--	0.00	--	-13,794.10	30,076.80
1999-00	0.00	--	0.00	--	24,416.20	54,493.00
2000-01	6,600.20	--	0.00	--	8,024.10	62,517.10
2001-02	0.00	--	0.00	--	1,944.90	64,462.00
2002-03	0.00	--	0.00	--	0.00	64,462.00
2003-04	10,000.00	--	10,000.00	--	13,603.00	78,065.00
2004-05	33,312.30	--	0.00	--	-33,312.30	44,752.70
2005-06	0.00	--	9,000.00	--	7,900.80	52,653.50
2006-07	7,861.15	--	0.00	--	-3,701.95	48,951.55
2007-08	15,879.43	--	5,724.40	--	-15,879.43	33,072.12
2008-09	21,946.72	--	11,125.40	--	-33,072.12	0.00
2009-10	0.00	--	0.00	--	0.00	0.00
2010-11	0.00	--	0.00	--	0.00	0.00
2011-12	0.00	--	0.00	--	0.00	0.00
2012-13	0.00	--	0.00	0.00	0.00	0.00
2013-14	0.00	5,000.00 7/	0.00	0.00	5,000.00	5,000.00
2014-15	0.00	0.00	4,000.00 8/	0.00	31.54	5,031.54
2015-16	0.00	5,000.00 7/	1,100.00	4,500.00	2,507.00	7,538.54
2016-17	0.00	5,000.00 7/	5,313.40	0.00	-313.40	7,225.14
2017-18	0.00	5,000.00	536.90	6,764.00	42,010.20	49,235.34
2018-19	0.00	5,000.00	0.00	0.00	21,519.30	70,754.64
TOTALS	231,728.72	25,000.00	103,742.48	11,264.00	70,754.64	--

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	Imported Water Deliveries								Total
	Replenishment	Replacement Water	USG-5 Exchange Replacement	Direct Deliveries M & I Water	Cyclic Storage	Producer Cyclic Storage	Watermaster Pre-Purchases Deliveries	Water Resource Development Deliveries	
1974-75	--	787.10	--	--	44.90	--	--	--	832.00
1975-76	--	1,302.90	--	--	6,972.10	--	--	--	8,275.00
1976-77	--	3,814.95	992.93	--	2,722.12	--	--	--	7,530.00
1977-78	--	4,470.85	1,115.15	--	0.00	--	--	--	5,586.00
1978-79	--	4,112.25	1,303.79	--	1,551.96	--	--	--	6,968.00
1979-80	--	0.00	1,064.00	--	0.00	--	--	--	1,064.00
1980-81	--	0.00	0.00	--	0.00	--	--	--	0.00
1981-82	--	81.84	1,067.28	--	648.88	--	--	--	1,798.00
1982-83	--	0.00	843.87	--	1,377.13	--	--	--	2,221.00
1983-84	--	0.00	79.00	--	0.00	0.00	--	--	79.00
1984-85	--	0.00	66.00	--	0.00	0.00	--	--	66.00
1985-86	--	4,484.30	972.70	--	0.00	0.00	--	--	5,457.00
1986-87	--	4,368.59	929.09	--	7,300.32	0.00	--	--	12,598.00
1987-88	--	7,763.11	1,402.99	--	660.90	0.00	--	--	9,827.00
1988-89	--	5,320.25	1,393.75	--	0.00	0.00	--	--	6,714.00
1989-90	--	11,296.63	641.82	--	2,825.55	0.00	--	--	14,764.00
1990-91	--	9,485.43	1,022.57	--	0.00	0.00	--	--	10,508.00
1991-92	--	8,074.96	828.04	--	0.00	0.00	--	--	8,903.00
1992-93	--	11,418.17	1,202.03	--	1,064.80	0.00	--	--	13,685.00
1993-94	--	8,620.14	1,205.80	--	5,419.06	0.00	--	--	15,245.00
1994-95	--	5,691.49	1,188.61	--	3,557.90	0.00	--	--	10,438.00
1995-96	--	8,484.59	1,178.05	--	3,432.36	0.00	--	--	13,095.00
1996-97	--	14,525.94	1,235.89	--	1,698.17	0.00	--	--	17,460.00
1997-98	--	14,061.60	1,268.85	--	323.55	0.00	--	--	15,654.00
1998-99	--	6,158.61	1,254.19	--	2,621.20	0.00	--	--	10,034.00
1999-00	--	9,286.01	1,312.09	--	8,605.90	0.00	--	--	19,204.00
2000-01	--	10,464.30	1,228.70	--	0.00	0.00	--	--	11,693.00
2001-02	--	10,929.17	1,286.13	--	1,172.70	0.00	--	--	13,388.00
2002-03	--	3,938.39	1,128.84	--	15,027.77	0.00	--	--	20,095.00
2003-04	--	672.60	1,143.80	--	16,815.60	0.00	--	--	18,632.00
2004-05	--	500.66	1,121.25	--	10,840.09	0.00	--	--	12,462.00
2005-06	--	0.00	1,052.99	--	12,658.01	0.00	--	--	13,711.00
2006-07	--	573.59	1,108.29	--	15,794.12	0.00	--	--	17,476.00
2007-08	--	91.76	1,132.17	--	779.07	0.00	--	--	2,003.00
2008-09	--	788.73	1,146.29	--	4,671.98	0.00	--	--	6,607.00
2009-10	--	1,886.58	976.70	--	12,340.72	0.00	--	--	15,204.00
2010-11	--	14,655.86	908.13	--	5,211.01	0.00	--	--	20,775.00
2011-12	--	22,426.22	1,121.78	--	0.00	0.00	--	--	23,548.00
2012-13	--	16,269.22	1,135.98	--	5,138.80	0.00	--	--	22,544.00
2013-14	--	1,202.03	1,115.97	--	0.00	0.00	--	--	2,318.00
2014-15	--	192.83	1,014.17	--	0.00	0.00	--	--	1,207.00
2015-16	--	0.00	929.95	--	7,354.05	0.00	--	902.00	9,186.00
2016-17	--	14,029.70	1,075.95	--	7,265.75	0.00	--	761.00	23,132.40
2017-18	--	4,649.74	1,117.22	--	12,898.64	0.00	--	1,492.00	20,157.60
2018-19	--	0.00	1,101.03	--	11,966.97	0.00	--	2,471.00	15,539.00
TOTALS	--	246,881.09	44,413.83	--	190,762.08	0.00	0.00	5,626.00	487,683.00

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	Cyclic Storage Account						
	Transfer To Replacement Water	Transfer to MWD/Upper District	Transfer from Three Valleys District ^{1/}	Transfer To USG-5 Exchange Replacement Water	Transfer To Producer Cyclic Storage	Net To Cyclic Storage	Cyclic Storage At End Of Year
1974-75	0.00	--	--	0.00	--	44.90	44.90
1975-76	0.00	--	--	0.00	--	6,972.10	7,017.00
1976-77	0.00	--	--	0.00	--	2,722.12	9,739.12
1977-78	2,287.23	--	--	0.00	--	-2,287.23	7,451.89
1978-79	0.00	--	--	0.00	--	1,551.96	9,003.85
1979-80	2,803.98	--	--	129.42	--	-2,933.40	6,070.45
1980-81	190.24	--	--	1,170.88	--	-1,361.12	4,709.33
1981-82	0.00	--	--	0.00	--	648.88	5,358.21
1982-83	0.00	--	--	0.00	--	1,377.13	6,735.34
1983-84	1,036.93	--	--	634.25	--	-1,671.18	5,064.16
1984-85	0.00	--	--	829.91	--	-829.91	4,234.25
1985-86	3,886.23	--	--	0.00	--	-3,886.23	348.02
1986-87	0.00	--	--	0.00	--	7,300.32	7,648.34
1987-88	0.00	--	--	0.00	--	660.90	8,309.24
1988-89	3,844.04	--	--	0.00	--	-3,844.04	4,465.20
1989-90	0.00	--	--	0.00	--	2,825.55	7,290.75
1990-91	3,298.53	--	--	0.00	--	-3,298.53	3,992.22
1991-92	2,400.42	--	--	0.00	--	-2,400.42	1,591.80
1992-93	0.00	--	--	0.00	--	1,064.80	2,656.60
1993-94	0.00	--	--	0.00	--	5,419.06	8,075.66
1994-95	0.00	--	--	0.00	--	3,557.90	11,633.56
1995-96	0.00	--	--	0.00	--	3,432.36	15,065.92
1996-97	0.00	--	--	0.00	--	1,698.17	16,764.09
1997-98	0.00	--	--	0.00	5,700.00	-5,376.45	11,387.64
1998-99	0.00	--	--	0.00	3,200.00	-578.80	10,808.84
1999-00	0.00	--	--	0.00	3,800.00	4,805.90	15,614.74
2000-01	3,237.77	--	--	0.00	3,800.00	-7,037.77	8,576.97
2001-02	0.00	--	--	0.00	7,100.00	-5,927.30	2,649.67
2002-03	0.00	--	--	0.00	8,300.00	6,727.77	9,377.44
2003-04	0.00	--	--	0.00	9,800.00	7,015.60	16,393.04
2004-05	0.00	--	--	0.00	13,100.00	-2,259.91	14,133.13
2005-06	0.00	--	--	0.00	944.38	11,713.63	25,846.76
2006-07	0.00	--	--	0.00	3,832.00	11,962.12	37,808.88
2007-08	0.00	--	--	0.00	12,712.67	-11,933.60	25,875.28
2008-09	0.00	--	--	0.00	11,619.40	-6,947.42	18,927.86
2009-10	0.00	--	--	0.00	9,225.34	3,115.38	22,043.24
2010-11	0.00	--	--	0.00	7,500.00	-2,288.99	19,754.25
2011-12	2,209.98	--	--	0.00	0.00	-2,209.98	17,544.27
2012-13	0.00	--	--	0.00	7,000.00	-1,861.20	15,683.07
2013-14	1,532.00	5,000.00	--	0.00	2,549.19	-9,081.19	6,601.88
2014-15	4,605.69	0.00	--	0.00	-961.80 2/	-3,643.89	2,957.99
2015-16	0.00	5,000.00	--	0.00	0.00	2,354.05	5,312.04
2016-17	0.00	5,000.00	264.60	0.00	0.00	2,530.35	7,842.39
2017-18	0.00	5,000.00	1,257.40	0.00	0.00	9,156.04	16,998.43
2018-19	15,320.61	5,000.00	3,374.00	0.00	0.00	-4,979.64	12,018.79
TOTALS	46,653.65	25,000.00	4,896.00	2,764.46	109,221.18	12,018.79	--

1/ Three Valleys District delivered and transferred to San Gabriel District's Cyclic Storage Account.

2/ 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

**THREE VALLEYS MUNICIPAL WATER
DISTRICT /METROPOLITAN WATER DISTRICT
ANNUAL IMPORTED WATER DELIVERIES
AND CYCLIC STORAGE (ACRE-FEET)**

Fiscal Year	Imported Water Deliveries								Total
	Replenishment	Replacement Water	USG-5 Exchange Replacement	Direct Deliveries M & I Water	Cyclic Storage	Producer Cyclic Storage	Watermaster Pre-Purchases Deliveries	Water Resource Development Deliveries	
1963-64	--	--	--	464.90	--	--	--	--	464.90
1964-65	--	--	--	1,371.20	--	--	--	--	1,371.20
1965-66	--	--	--	1,244.60	--	--	--	--	1,244.60
1966-67	--	--	--	803.00	--	--	--	--	803.00
1967-68	--	--	--	251.80	--	--	--	--	251.80
1968-69	--	--	--	625.80	--	--	--	--	625.80
1969-70	--	--	--	366.30	--	--	--	--	366.30
1970-71	--	--	--	481.80	--	--	--	--	481.80
1971-72	--	--	--	248.10	--	--	--	--	248.10
1972-73	--	--	--	717.90	--	--	--	--	717.90
1973-74	--	--	--	445.60	--	--	--	--	445.60
1974-75	--	--	--	780.60	--	--	--	--	780.60
1975-76	--	--	--	3,312.30	--	--	--	--	3,312.30
1976-77	--	--	--	6,139.90	--	--	--	--	6,139.90
1977-78	--	--	--	6,732.50	--	--	--	--	6,732.50
1978-79	--	--	--	6,123.60	--	--	--	--	6,123.60
1979-80	--	--	--	6,901.60	--	--	--	--	6,901.60
1980-81	--	--	--	9,288.00	--	--	--	--	9,288.00
1981-82	--	--	--	10,576.10	--	--	--	--	10,576.10
1982-83	--	--	--	6,925.40	--	--	--	--	6,925.40
1983-84	--	--	--	10,021.20	--	--	--	--	10,021.20
1984-85	--	--	--	11,651.00	--	0.00	--	--	11,651.00
1985-86	--	--	--	10,651.50	--	0.00	--	--	10,651.50
1986-87	--	--	--	12,142.90	--	0.00	--	--	12,142.90
1987-88	--	--	--	15,218.00	--	0.00	--	--	15,218.00
1988-89	--	--	--	13,705.90	--	0.00	--	--	13,705.90
1989-90	--	--	--	17,509.40	--	0.00	--	--	17,509.40
1990-91	--	--	--	16,531.80	--	0.00	--	--	16,531.80
1991-92	--	0.00	--	7,984.30	25,077.10	0.00	--	--	33,061.40
1992-93	--	0.00	--	9,478.70	3,737.50	0.00	--	--	13,216.20
1993-94	--	0.00	--	10,776.90	0.00	0.00	--	--	10,776.90
1994-95	--	0.00	--	12,120.30	5,738.60	0.00	--	--	17,858.90
1995-96	--	0.00	--	10,113.53	3,832.00	0.00	--	--	13,945.53
1996-97	--	0.00	--	10,280.00	1,451.10	0.00	--	--	11,731.10
1997-98	--	0.00	--	6,803.50	953.10	0.00	--	--	7,756.60
1998-99	--	3,311.70	--	6,714.40	0.00	0.00	--	--	10,026.10
1999-00	--	4,418.60	--	9,910.70	0.00	0.00	--	--	14,329.30
2000-01	--	5,583.60	--	10,900.33	675.20	0.00	--	--	17,159.13
2001-02	--	4,944.10	--	16,806.40	570.20	0.00	--	--	22,320.70
2002-03	--	2,791.00	--	20,295.10	0.00	0.00	--	--	23,086.10
2003-04	--	1,920.40	--	23,083.90	0.00	0.00	--	--	25,004.30
2004-05	--	1,714.50	--	17,586.70	0.00	1,800.00	--	--	21,101.20
2005-06	--	357.10	--	12,143.60	0.00	0.00	--	--	12,500.70
2006-07	--	166.70	--	11,613.60	2,978.00	0.00	--	--	14,758.30
2007-08	--	0.00	--	13,216.10	0.00	0.00	--	--	13,216.10
2008-09	--	0.00	--	13,149.85	0.00	0.00	--	--	13,149.85
2009-10	--	0.00	--	9,772.60	1,427.80	0.00	--	--	11,200.40
2010-11	--	0.00	--	6,886.20	12,264.60	0.00	--	--	19,150.80
2011-12	--	0.00	--	6,586.60	12,871.40	0.00	--	--	19,458.00
2012-13	--	0.00	--	10,815.20	10,098.80	0.00	0.00	--	20,914.00
2013-14	--	0.00	--	18,725.40	3,110.10	0.00	0.00	--	21,835.50
2014-15	--	0.00	--	13,447.30	471.00	1,000.00	0.00	--	14,918.30
2015-16	--	0.00	--	10,116.20	2,507.40	500.00	0.00	416.00	13,539.60
2016-17	--	0.00	--	11,934.40	12,264.60	500.00	0.00	118.10	24,817.10
2017-18	--	0.00	--	16,562.40	5,332.20	670.00	0.00	0.00	22,564.60
2018-19	--	0.00	--	19,534.26	461.80	3,220.00	0.00	1,110.00	24,326.06
TOTALS	--	25,207.70	--	518,591.17	105,822.50	7,690.00	0.00	1,644.10	658,955.47

Note: The minimum and maximum values are bolded.

APPENDIX E
THREE VALLEYS MUNICIPAL WATER
DISTRICT /METROPOLITAN WATER DISTRICT
ANNUAL IMPORTED WATER DELIVERIES AND
CYCLIC STORAGE (ACRE-FEET)

Fiscal Year	Cyclic Storage Account					
	Transfer To Replacement Water	Transfer To Producer Cyclic Storage	Transfer To Watermaster Pre-Purchases	Transfer To San Gabriel District ^{1/}	Net To Cyclic Storage	Cyclic Storage At End Of Year
1963-64	--	--	--	--	--	--
1964-65	--	--	--	--	--	--
1965-66	--	--	--	--	--	--
1966-67	--	--	--	--	--	--
1967-68	--	--	--	--	--	--
1968-69	--	--	--	--	--	--
1969-70	--	--	--	--	--	--
1970-71	--	--	--	--	--	--
1971-72	--	--	--	--	--	--
1972-73	--	--	--	--	--	--
1973-74	--	--	--	--	--	--
1974-75	--	--	--	--	--	--
1975-76	--	--	--	--	--	--
1976-77	--	--	--	--	--	--
1977-78	--	--	--	--	--	--
1978-79	--	--	--	--	--	--
1979-80	--	--	--	--	--	--
1980-81	--	--	--	--	--	--
1981-82	--	--	--	--	--	--
1982-83	--	--	--	--	--	--
1983-84	--	--	--	--	--	--
1984-85	--	--	--	--	--	--
1985-86	--	--	--	--	--	--
1986-87	--	--	--	--	--	--
1987-88	--	--	--	--	--	--
1988-89	--	--	--	--	--	--
1989-90	--	--	--	--	--	--
1990-91	--	--	--	--	--	--
1991-92	0.00	3,800.00	--	--	21,277.10	21,277.10
1992-93	0.00 2/	4,933.50 2/	--	--	-16,196.00 1/	5,081.10
1993-94	0.00	2,000.00	--	--	-2,000.00	3,081.10
1994-95	0.00	0.00	--	--	5,738.60	8,819.70
1995-96	0.00	0.00	--	--	3,832.00	12,651.70
1996-97	0.00	0.00	--	--	1,451.10	14,102.80
1997-98	2,304.50	0.00	--	--	-1,351.40	12,751.40
1998-99	0.00	0.00	--	--	0.00	12,751.40
1999-00	0.00	0.00	--	--	0.00	12,751.40
2000-01	0.00	0.00	--	--	675.20	13,426.60
2001-02	0.00	0.00	--	--	570.20	13,996.80
2002-03	0.00	0.00	--	--	0.00	13,996.80
2003-04	0.00	0.00	--	--	0.00	13,996.80
2004-05	1,700.00	0.00	--	--	-1,700.00	12,296.80
2005-06	0.00	0.00	--	--	0.00	12,296.80
2006-07	0.00	0.00	--	--	2,978.00	15,274.80
2007-08	1,886.70	0.00	--	--	-1,886.70	13,388.10
2008-09	2,886.90	5,335.00	--	--	-8,221.90	5,166.20
2009-10	32.55	998.50	--	--	396.75	5,562.95
2010-11	0.00	15,849.50 3/	--	--	-3,584.90	1,978.05
2011-12	2,299.65	3,949.50	--	--	6,622.25	8,600.30
2012-13	63.30	2,569.00	2,521.00	--	4,945.50	13,545.80
2013-14	479.00 4/	1,300.00	0.00	--	1,331.10	14,876.90
2014-15	0.00	1,000.00 5/	0.00	--	-529.00	14,347.90
2015-16	0.00	14,578.30 6/	0.00	--	-12,070.90	2,277.00
2016-17	0.00	2,277.00	0.00	264.60	9,723.00	12,000.00
2017-18	0.00	0.00	0.00	1,257.40	4,074.80	16,074.80
2018-19	0.00	0.00	0.00	3,374.00	-2,912.20	13,162.60
TOTALS	11,652.60	58,590.30	2,521.00	4,896.00	13,162.60	--

1/ Three Valleys District delivered and transferred to San Gabriel District's Cyclic Storage Account.

2/ Includes transfer of 15,000.00 acre-feet to Upper District Cyclic Storage.

3/ Includes 11,689.3 acre-feet delivered on behalf of Upper District to Suburban Water System's Upper District Producer Cyclic S 4/ Includes 479.00 acre-feet of Watermaster's pre-purchases for Replacement Water.

5/ Includes 1,000 acre-feet delivered to Canyon Basin by Upper District on behalf of Three Valleys District.

6/ Transferred to Puente Basin Water Agency.

Note: The minimum and maximum values are bolded.

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 Cyclic Storage	Transfer From Watermaster Pre-Purchase Account	Withdrawals	Cyclic Storage At End Of Year	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 Valley District Cyclic Storage	Transfer From Watermaster Pre-Purchase Account	Withdrawals	Cyclic Storage At End Of Year
1983-84	0.00	1,573.60	--	1,573.60	0.00	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	--	13,112.70	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00
1991-92	3,305.90	28,811.00	--	32,116.90	0.00	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	--	45,147.93	0.00	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	--	23,372.38	0.00	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	0.00	--	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	0.00	--	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	0.00	--	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	0.00	--	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	0.00	--	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	0.00	--	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	0.00	--	8,870.23	6,750.76
2004-05	0.00	0.00	--	7,031.99	2,968.01	0.00	1,800.00	--	1,800.00	0.00	0.00	0.00	--	9,904.94	9,945.82
2005-06	0.00	9,000.00	--	3,474.72	8,493.29	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/	--	3,307.46	7,285.83	0.00	332.00 3/	--	332.00	0.00	0.00	0.00	--	3,670.43	5,185.57
2007-08	0.00	2,276.03	--	3,740.96	5,820.90	0.00	2,029.24 4/ 5	--	0.00	2,029.24	0.00	14,131.80 4/	--	5,402.96	13,914.41
2008-09	0.00	11,125.40	--	9,112.32	7,833.98	0.00	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	7,833.98	0.00	998.50	--	3,629.92	3,132.73	0.00	9,225.34	--	11,300.00	3,932.54
2010-11	23,335.80 6/	0.00	--	11,902.64	19,267.14	0.00	4,160.20	--	3,480.02	3,812.91	0.00	7,500.00	--	0.00	11,432.54
2011-12	18,169.10	0.00	--	10,492.71	26,943.53	0.00	3,949.50	--	2,711.74	4,050.67	0.00	0.00	--	7,500.00	3,932.54
2012-13	10,000.00	0.00	--	18,712.62	18,230.91	0.00	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	--	26,549.29 7/	22,970.52	0.00	1,300.00	--	2,862.02	2,788.21	0.00	2,549.19	--	6,914.67 8/	4,517.87
2014-15	29,809.36	5,000.00	--	32,023.17	27,656.71	1,000.00	0.00	--	1,485.67	3,102.54	3,995.80	0.00	--	961.80 9/	7,551.87
2015-16	10,510.00	1,100.00	--	15,830.75	24,435.96	500.00	0.00	--	1,346.07	2,606.47	0.00	0.00	--	2,334.17	5,217.70
2016-17	35,786.60	5,313.40	--	17,528.34	48,366.62	2,777.00	0.00	--	2,668.34	2,715.13	0.00	0.00	--	2,246.96	2,970.74
2017-18	3,236.00	536.90	--	24,510.41	42,462.81	670.00	0.00	--	594.14	2,899.57	1,079.70	0.00	--	0.00	2,970.74
2018-19	20,624.00	0.00	--	156.64 10/	21,225.60	3,220.00	0.00	--	90.07 10/	2,080.56	2,309.21	0.00	--	0.00	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 98.24 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.

10/ Includes CSA credit.

Note: The minimum and maximum values are bolded.

APPENDIX E

WATERMASTER PRE-PURCHASE ACCOUNTS TOTAL ANNUAL CYCLIC STORAGE (ACRE-FEET)

Fiscal Year	Upper District				Three Valleys District				San Gabriel District			
	Deliver/Transfer from Upper District	Transfer to Upper District Producers	Transfer to RDA I/II Account	Cyclic Storage At End Of Year	Deliver/Transfer from Three Valleys District	Transfer to Three Valleys District Producers	Transfer to RDA I/II Account	Cyclic Storage At End Of Year	Deliver/Transfer from San Gabriel District	Transfer to San Gabriel District Producers	Transfer to RDA I/II Account	Cyclic Storage At End Of Year
2011-12				0.00				0.00				0.00
2012-13	2,034.70	0.00	0.00	2,034.70	2,521.00	0.00	0.00	2,521.00	0.00	0.00	0.00	0.00
2013-14	0.00	0.00	0.00	2,034.70	479.00	361.96	0.00	2,638.04	0.00	0.00	0.00	0.00
2014-15	5,000.00	1,900.00	0.00	5,134.70	0.00	800.00	0.00	1,838.04	0.00	0.00	0.00	0.00
2015-16	4,500.00	1,000.00	0.00	8,634.70	0.00	350.00	0.00	1,488.04	0.00	0.00	0.00	0.00
2016-17	0.00	565.00	0.00	8,069.70	0.00	0.00	223.90	1,264.14	0.00	0.00	0.00	0.00
2017-18	6,764.00	14,833.70	0.00	0.00	0.00	594.14	670.00	0.00	0.00	0.00	0.00	0.00
2018-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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, 2017	150,803
2.	Amount of Make-up Water delivered during water year 2017-18	
	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, 2017	150,803
4.	Debit for Water Year 2017-18	<u><u>14,747</u></u>
5.	Accrued Credit of Upper Area as of September 30, 2018	136,056
6.	Required Make-up Water obligation to be delivered during Water Year 2018-19	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	0	0	0	-	-	-	-	0
1964-65	13,257	0	13,257	-	-	-	-	13,257
1965-66	14,528	6,489	21,017	-	-	-	-	21,017
1966-67	14,735	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	14,507	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	-	21,559	21,559
1980-81	0	0	0	14,568	31,241	-	45,809	45,809
1981-82	0	0	0	11,464	30,716	-	42,180	42,180
1982-83	7,285	0	7,285	0	8,921	15,883	24,804	32,089
1983-84	0	0	0	0	33,589	0	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	28,279	-	-	-	-	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
2016-17	0	0	0	-	-	-	-	0
2017-18	0	0	0	-	-	-	-	0
TOTALS	178,884	54,671	233,555	36,748	115,310	15,883	167,941	401,496
55-Year Average	3,252	994	4,246	668	2,097	289	3,054	7,300

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		2018-19 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	0.00	0.00
MOELR (8)	1900010	422.26	232.68	225.61	328.18	1,208.73
9	1900011	1.98	0.79	1.62	1.86	6.25
10	1900012	0.00	0.00	0.00	0.00	0.00
11	1903014	74.61	5.28	3.72	35.18	118.79
12	1900013	1.58	1.64	1.58	1.97	6.77
13	1900014	105.90	37.65	9.36	75.22	228.13
14	1900015	328.73	313.80	313.20	315.79	1,271.52
15	1900016	379.93	319.14	259.11	390.60	1,348.78
1 LON	1902789	349.58	308.21	249.62	358.79	1,266.20
2 LON	1900017	447.16	377.18	152.78	0.00	977.12
TOTAL		2,111.73	1,596.37	1,216.60	1,507.59	6,432.29

Amarillo Mutual Water Company

SOUTH	1900791	95.54	62.38	1.72	16.87	176.51
NORTH	1900792	0.06	16.94	65.85	60.60	143.45
TOTAL		95.60	79.32	67.57	77.47	319.96

Arcadia, City of

1 L.O.	8000127	723.07	0.00	0.00	0.00	723.07
1 LON	1901013	142.52	111.38	5.34	149.92	409.16
1 PEC	1902854	1,217.93	1,016.67	903.10	1,292.33	4,430.03
2 BAL	1902791	0.00	0.00	0.00	0.00	0.00
2 LON	1901014	0.00	0.05	0.00	0.00	0.05
2 STJ	8000177	0.00	0.00	0.00	0.00	0.00
3 CAM	8000213	1,068.95	865.45	325.31	933.99	3,193.70
3 LONG	8000214	637.49	419.78	301.22	659.36	2,017.85
SM	8000193	0.00	0.00	0.00	0.00	0.00
TOTAL		3,789.96	2,413.33	1,534.97	3,035.60	10,773.86

Arcadia Reclamation

--	8000229	26.21	13.93	4.96	14.61	59.71
TOTAL		26.21	13.93	4.96	14.61	59.71

Producer's Name and Well Identification Number		2018-19 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	969.88	326.63	216.62	323.71	1,836.84
2	1902457	224.85	103.01	17.32	269.18	614.36
3	8000086	909.96	578.00	688.06	539.55	2,715.57
4	1902458	519.01	326.54	157.84	321.69	1,325.08
5	1902533	324.39	332.90	377.90	381.86	1,417.05
6	1902535	358.06	99.30	241.55	32.78	731.69
7	1902116	234.35	7.61	23.00	2.20	267.16
8	1902115	522.22	1.17	21.18	1.85	546.42
10	8000103	100.79	18.36	18.71	21.25	159.11
11	8000178	360.58	345.52	529.06	543.30	1,778.46
12	8000179	414.38	332.71	396.54	391.47	1,535.10
DIV EFF	1902118	759.89	1,855.69	541.01	1,569.58	4,726.17
VUL	1903119	36.79	22.39	7.62	9.76	76.56
TOTAL		5,735.15	4,349.83	3,236.41	4,408.18	17,729.57

Banks, Gale & Vicki

--	1900415	13.80	2.74	4.04	6.77	27.35
TOTAL		13.80	2.74	4.04	6.77	27.35

California-American Water Company
Duarte System

BACON	1900497	0.45	0.73	0.42	1.12	2.72
B-V	1900355	0.00	0.08	0.00	0.00	0.08
B-V2	8000216	612.18	310.08	0.52	13.06	935.84
CR HV	1903018	208.60	0.37	33.24	622.82	865.03
DIV 2	1900360	45.15	24.01	8.51	30.71	108.38
ENCTO	8000139	253.87	13.20	0.89	0.77	268.73
FISH C	1900358	0.00	0.00	0.00	0.00	0.00
LAS L 2	8000140	203.55	52.49	10.35	30.00	296.39
STA FE	1900354	241.83	373.84	266.04	175.42	1,057.13
WILEY	1902907	333.93	563.08	575.77	576.78	2,049.56
TOTAL		1,899.56	1,337.88	895.74	1,450.68	5,583.86

California-American Water Company
San Marino System

DELMAR	1903059	307.98	317.32	258.37	324.97	1,208.64
GRAND	1900926	0.00	0.00	0.00	0.00	0.00
HALL-2	8000175	456.56	334.93	116.01	410.50	1,318.00
HOWL	1902424	233.43	182.44	134.61	225.42	775.90
LONG	1900935	0.00	0.00	0.00	0.00	0.00

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
MAR-3	1903019	334.89	243.39	36.93	275.95	891.16
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	645.95	632.55	629.92	665.34	2,573.76
ADA-3	8000182	0.00	0.00	0.00	0.00	0.00
TOTAL		1,978.81	1,710.63	1,175.84	1,902.18	6,767.46

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	523.46	267.86	1.84	838.50	1,631.66
3	1903057	1,593.15	1,651.95	1,546.35	1,710.14	6,501.59
6	1902967	508.17	227.99	52.19	310.64	1,098.99
8	1903081	912.18	438.93	54.93	379.89	1,785.93
5A	8000100	1,270.51	1,320.81	942.62	1,383.00	4,916.94
10	8000223	631.45	350.66	62.68	280.23	1,325.02
SGVWC	8000227	966.38	1,009.32	1,098.09	869.34	3,943.13
PBWA/RO	8000224	-194.12	-361.10	-503.90	-421.92	-1,481.04
TOTAL		6,211.18	4,906.42	3,254.80	5,349.82	19,722.22

Carrier Corporation

--	--	0.84	0.00	0.00	0.00	0.84
TOTAL		0.84	0.00	0.00	0.00	0.84

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

County Sanitation District No. 18

E01R	8000161	0.03	0.03	0.02	0.03	0.11
E02R	8000165	0.28	0.29	0.20	0.32	1.09
E03R	8000162	0.01	0.01	0.01	0.01	0.04
E04R	8000166	0.07	0.07	0.06	0.07	0.27
E05R	8000163	0.14	0.14	0.12	0.14	0.54
E06R	8000167	0.04	0.04	0.04	0.04	0.16
E07R	8000164	0.22	0.19	0.25	0.28	0.94
E08R	8000168	0.10	0.10	0.09	0.10	0.39
E16A	8000153	0.12	0.13	0.09	0.16	0.50
E17A	8000154	1.04	1.06	0.95	1.07	4.12
E18A	8000155	0.14	0.16	0.14	0.15	0.59

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
E19A	8000156	0.20	0.23	0.18	0.20	0.81
E20A	8000173	0.22	0.22	0.20	0.20	0.84
EX 1	8000141	0.08	0.09	0.08	0.09	0.34
EX 2	8000142	0.01	0.02	0.03	0.04	0.10
EX 3	8000143	0.00	0.00	0.00	0.01	0.01
EX 4	8000144	0.00	0.00	0.00	0.00	0.00
WRP FL E	--	3.28	0.00	11.29	30.26	44.83
TOTAL		5.98	2.78	13.75	33.17	55.68

Covina Irrigating Company

1 BAL	1900885	0.00	0.00	161.58	563.44	725.02
2 BAL	1900883	0.00	0.00	80.45	187.59	268.04
3 BAL	1900882	0.00	0.00	75.30	541.33	616.63
NP EFFL	1900884	1,695.43	1,520.50	1,330.35	887.21	5,433.49
SP EFFL	1900884	1,805.19	1,761.87	903.50	888.86	5,359.42
PMSGV-2	--	-3,033.95	-2,234.66	-2,009.18	-1,310.15	-8,587.94
TOTAL		466.67	1,047.71	542.00	1,758.28	3,814.66

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	23.00	21.00	22.00	97.00
TOTAL		31.00	23.00	21.00	22.00	97.00

East Pasadena Water Company, Ltd.

9	1901508	139.71	18.84	54.00	43.34	255.89
11	8000217	382.55	394.08	256.21	359.65	1,392.49
TOTAL		522.26	412.92	310.21	402.99	1,648.38

El Monte, City of

4	1901694	0.00	0.00	0.00	0.00	0.00
10	1901699	230.48	315.71	243.20	105.63	895.02
12	1903137	182.22	120.88	11.49	15.40	329.99
13	8000101	0.00	0.00	0.02	0.00	0.02
2A	1901692	269.37	119.96	46.76	218.48	654.57
14	8000231	0.00	0.00	49.12	72.60	121.72
15	8000232	0.00	0.00	35.88	52.11	87.99
16	8000233	0.00	0.00	78.71	114.00	192.71
TOTAL		682.07	556.55	465.18	578.22	2,282.02

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

Gates, James Richard

GATES 1	8000215	0.25	0.05	0.10	0.25	0.65
	TOTAL	0.25	0.05	0.10	0.25	0.65

Glendora, City of

2-E	1901526	207.06	70.02	7.13	39.53	323.74
5-E	8000149	539.77	448.20	0.00	221.22	1,209.19
8-E	1900829	334.75	462.32	438.80	486.51	1,722.38
9-E	1900830	531.52	398.17	25.85	458.73	1,414.27
10-E	1900828	191.23	29.25	3.06	7.35	230.89
11-E	1900826	308.96	24.98	5.11	8.82	347.87
12-E	1900827	707.71	812.90	825.39	999.06	3,345.06
13-E	8000003	293.95	129.21	134.88	232.36	790.40
	TOTAL	3,114.95	2,375.05	1,440.22	2,453.58	9,383.80

Golden State Water Company
San Dimas District

ART-2	1902152	0.00	0.00	0.00	0.00	0.00
ART-3	1902842	0.08	0.09	0.12	1.97	2.26
BAS-3	1902148	29.17	0.16	0.04	0.03	29.40
BAS-4	1902149	0.00	0.00	0.00	0.00	0.00
COL-4	1902268	0.03	0.08	0.03	0.02	0.16
COL-6	1902270	0.00	0.00	0.00	0.00	0.00
CITY	1902286	51.43	23.94	8.04	58.32	141.73
GOLF	1902157	0.00	0.00	0.00	0.00	0.00
HWY	1902150	38.16	0.38	0.26	1.37	40.17
HWY-2	8000212	191.61	206.69	205.42	243.47	847.19
MALON	1902287	147.05	106.54	101.47	0.00	355.06
	TOTAL	457.53	337.88	315.38	305.18	1,415.97

Golden State Water Company
San Gabriel Valley District

1 ENC	1902024	210.65	159.81	153.53	200.79	724.78
1 FAR	1902034	90.56	57.66	6.36	82.64	237.22
1 PER	1902027	76.94	8.15	0.32	2.41	87.82
1 S G	1900510	227.02	370.96	351.52	383.90	1,333.40
2 ENC	1902035	148.68	145.13	204.33	144.77	642.91
2 FAR	1902948	15.07	10.07	4.10	10.50	39.74
2 S G	1900511	42.14	99.51	72.33	81.52	295.50
3 ENC	8000073	152.95	140.03	31.35	91.29	415.62
3 GAR	8000221	245.67	70.91	79.69	111.04	507.31
3 SAX	1900514	60.58	0.15	0.00	4.94	65.67
4 JEF	8000111	251.12	177.71	130.76	195.74	755.33
4 SAX	8000146	0.59	1.16	0.93	0.81	3.49
	TOTAL	1,521.97	1,241.25	1,035.22	1,310.35	5,108.79

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

Gould Electronics Inc. and Johnson Controls Inc.

SEW	--	4.52	2.95	2.81	4.25	14.53
DEW	--	222.68	228.83	62.33	0.00	513.84
TOTAL		227.20	231.78	65.14	4.25	528.37

Hanson Aggregates West, Inc.

1 EL	1901492	0.32	21.14	3.37	20.73	45.56
3 EL	1901493	53.13	11.99	23.19	18.38	106.69
4 EL	1903006	0.00	0.00	0.00	0.00	0.00
Temp	--	1.24	2.65	5.12	6.04	15.05
TOTAL		54.69	35.78	31.68	45.15	167.30

Hemlock Mutual Water Company

NORTH	1901178	6.28	6.41	5.31	6.33	24.33
SOUTH	1902806	15.60	9.66	7.68	11.35	44.29
TOTAL		21.88	16.07	12.99	17.68	68.62

Hermetic Seal Corporation

EW-21/22	--	14.06	13.24	13.22	11.03	51.55
TOTAL		14.06	13.24	13.22	11.03	51.55

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	410.61	345.95	367.07	34.97	1,158.60
TOTAL		410.61	345.95	367.07	34.97	1,158.60

La Puente Valley County Water District

2	1901460	121.37	8.18	301.22	558.03	988.80
3	1902859	25.92	1.25	167.10	400.66	594.93
5	8000209	709.09	945.75	424.99	0.00	2,079.83
SWS	8000176	-361.18	-597.78	-596.41	-462.62	-2,017.99
TOTAL		495.20	357.40	296.90	496.07	1,645.57

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	307.20	131.46	25.59	306.81	771.06

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
1 WHI	1902579	0.00	0.00	0.00	0.00	0.00
2 SF	8000074	8.65	4.29	3.96	7.48	24.38
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)	--	852.62	848.32	905.14	912.89	3,518.97
	TOTAL	1,168.47	984.07	934.69	1,227.18	4,314.41

MillerCoors LLC

2	8000075	115.91	134.34	118.99	119.00	488.24
	TOTAL	115.91	134.34	118.99	119.00	488.24

Monrovia, City of

2	1900418	2.07	1.92	1.37	3.65	9.01
3	1900419	347.04	205.88	25.83	118.66	697.41
4	1900420	637.17	427.72	208.80	398.38	1,672.07
5	1940104	599.58	531.42	529.44	617.02	2,277.46
6	8000171	633.55	520.67	431.99	583.27	2,169.48
	TOTAL	2,219.41	1,687.61	1,197.43	1,720.98	6,825.43

Monterey Park, City of

1	1900453	61.22	42.63	8.01	8.75	120.61
3	1900455	10.80	8.32	0.00	0.43	19.55
5	1900457	118.18	157.37	50.33	106.86	432.74
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	1.44	462.30	636.95	110.66	1,211.35
10	1902818	372.65	274.17	107.41	151.45	905.68
12	1903033	692.92	79.02	3.68	644.25	1,419.87
15	8000196	826.27	695.72	701.61	792.57	3,016.17
FERN	8000126	117.38	58.86	8.81	9.94	194.99
	TOTAL	2,200.86	1,778.39	1,516.80	1,824.91	7,320.96

Moon Valley Nursery of California, Inc.

5R	1903072	14.61	3.74	17.83	36.54	72.72
	TOTAL	14.61	3.74	17.83	36.54	72.72

Munoz, Ralph

MUNOZ	8000219	0.79	0.43	0.39	0.52	2.13
	TOTAL	0.79	0.43	0.39	0.52	2.13

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

Progressive Buddhist Association

--	8000228	0.00	0.50	0.20	0.29	0.99
	TOTAL	0.00	0.50	0.20	0.29	0.99

Puente Basin Water Agency

PBWA/RO	8000224	194.12	361.10	503.90	421.92	1,481.04
	TOTAL	194.12	361.10	503.90	421.92	1,481.04

Rowland Water District

--	--	17.54	0.00	0.00	0.00	17.54
	TOTAL	17.54	0.00	0.00	0.00	17.54

Rurban Homes Mutual Water Company

1-NOR	1900120	62.07	13.17	0.00	0.00	75.24
2-SOU	20071758-06	0.00	0.00	0.00	0.00	0.00
	TOTAL	62.07	13.17	0.00	0.00	75.24

San Gabriel Country Club

1	1900547	19.32	8.58	1.03	11.16	40.09
2	1902979	98.64	29.19	6.52	57.63	191.98
	TOTAL	117.96	37.77	7.55	68.79	232.07

San Gabriel County Water District

9	1902785	392.68	405.87	404.50	401.97	1,605.02
11	8000067	5.87	3.37	12.25	13.71	35.20
12	8000123	350.07	204.64	156.28	313.17	1,024.16
14	8000133	327.67	269.35	173.37	183.82	954.21
15	8000220	269.93	189.05	127.64	181.06	767.68
	TOTAL	1,346.22	1,072.28	874.04	1,093.73	4,386.27

San Gabriel Valley Water Company

1B	1900729	2.80	1.88	0.33	0.69	5.70
1C	1902946	0.00	0.00	0.00	0.00	0.00
1D	8000102	840.11	689.13	429.05	560.29	2,518.58
1E	8000172	569.33	320.65	40.93	92.99	1,023.90
2D	1902857	798.58	715.51	491.56	811.52	2,817.17
2E	8000065	27.94	0.89	0.91	0.91	30.65
2F	8000197	354.44	196.27	88.48	95.59	734.78
8B	1900746	6.12	25.88	2.61	2.00	36.61
8C	1900747	401.25	180.82	60.72	161.79	804.58

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
8D	1903103	491.88	146.61	1.27	218.79	858.55
8E	8000113	25.06	178.21	104.61	5.26	313.14
8F	8000169	15.53	34.96	178.25	194.52	423.26
11A	1900739	655.67	535.24	199.92	449.45	1,840.28
11B	1900745	226.09	0.80	0.79	0.62	228.30
11C	1902713	72.00	21.69	0.64	11.41	105.74
11D	8000226	209.68	135.00	12.49	6.18	363.35
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	596.53	999.14	1,016.35	1,163.78	3,775.80
B5C	8000112	0.00	0.00	0.00	0.00	0.00
B5D	8000160	444.83	591.26	364.22	30.85	1,431.16
B5E	8000205	702.72	113.85	681.42	1,231.59	2,729.58
B6C	1903093	0.00	0.00	0.00	0.00	0.00
B6D	8000098	0.08	0.00	0.00	0.00	0.08
B7C	8000068	0.00	0.00	0.00	0.00	0.00
B7E	8000122	103.41	82.29	20.54	64.19	270.43
B9B	8000099	173.80	142.19	34.62	102.88	453.49
B11A	1901439	0.00	0.00	0.00	0.00	0.00
B11B	8000108	482.72	298.84	239.03	246.58	1,267.17
B24A	8000203	126.66	55.35	32.31	72.84	287.16
B24B	8000204	2.73	2.78	2.66	2.74	10.91
B25A	8000187	1,056.72	1,024.46	1,068.20	1,071.23	4,220.61
B25B	8000188	908.99	858.97	917.02	922.48	3,607.46
B26A	8000189	332.60	369.57	400.04	419.07	1,521.28
B26B	8000190	305.82	348.11	366.56	383.32	1,403.81
G4	1900725	86.49	67.84	37.58	45.42	237.33
CDWC	8000227	-966.38	-1,009.32	-1,098.09	-869.34	-3,943.13
TOTAL		9,054.20	7,128.87	5,695.02	7,499.64	29,377.73

Sierra La Verne Country Club

1	8000124					0.00
15 Offsite	8000192					0.00
--	8000193	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	0.00	0.00	0.00	0.00

Sierra Madre, City of

8000193	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00	0.00	0.00

S. L. S. & N. Inc.

Pit M	8000151	8.35	6.59	4.51	7.30	26.75
TOTAL		8.35	6.59	4.51	7.30	26.75

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

Sonoco Products Company

2	8000137	22.81	21.34	18.62	20.72	83.49
	TOTAL	22.81	21.34	18.62	20.72	83.49

Southern California Edison Company

110RH	8000046	0.01	0.01	0.00	0.00	0.02
	TOTAL	0.01	0.01	0.00	0.00	0.02

South Pasadena, City of

3 WIL	1901682	46.99	253.69	398.12	666.57	1,365.37
4 WIL	1903086	4.23	161.99	215.46	202.68	584.36
GRAV2	1901679	0.00	0.00	0.00	0.00	0.00
	TOTAL	51.22	415.68	613.58	869.25	1,949.73

Sterling Mutual Water Company

N. SO.	8000132	15.13	5.27	0.12	15.38	35.90
NORTH	1902096	13.95	7.99	12.19	10.63	44.76
	TOTAL	29.08	13.26	12.31	26.01	80.66

Suburban Water Systems

121W1	8000181	471.97	260.97	0.00	0.00	732.94
139W4	8000069	0.00	0.00	0.00	0.00	0.00
140W5	8000145	588.97	30.19	0.00	0.00	619.16
142W2	8000183	1,034.44	932.30	1,041.79	1,097.16	4,105.69
147W3	8000077	0.00	0.00	0.00	0.00	0.00
151W2	8000207	1,258.42	1,104.13	960.69	1,295.21	4,618.45
201W4	1901433	0.00	0.00	0.00	0.00	0.00
201W7	8000195	1,138.05	1,316.79	1,393.31	1,261.34	5,109.49
201W8	8000198	338.29	569.48	423.08	498.37	1,829.22
201W9	8000208	1,376.94	408.74	38.15	1,105.91	2,929.74
201W10	8000210	899.13	160.81	2.16	37.81	1,099.91
LPVCWD	8000176	361.18	597.78	596.41	462.62	2,017.99
VCWD	8000206	937.92	1,011.91	0.02	0.00	1,949.85
	TOTAL	8,405.31	6,393.10	4,455.61	5,758.42	25,012.44

Sunny Slope Water Company

8	1900026	53.22	184.72	287.93	254.98	780.85
9	1902792	287.73	129.24	0.60	150.33	567.90
13	8000157	450.32	312.61	150.76	174.52	1,088.21
	TOTAL	791.27	626.57	439.29	579.83	2,436.96

Producer's Name and Well Identification Number		2018-19 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

Tran, Hieu

TRAN	8000218	1.25	1.22	0.90	0.39	3.76
	TOTAL	1.25	1.22	0.90	0.39	3.76

United Rock Products Corporation

IRW-1	1900106	163.14	93.29	101.53	123.16	481.12
IRW-2	1903062	1.02	15.63	1.10	1.85	19.60
	TOTAL	164.16	108.92	102.63	125.01	500.72

Valencia Heights Water Company

Master	8000199	398.35	283.43	202.02	316.81	1,200.61
CIC	--	-138.11	-138.52	-122.07	-154.05	-552.75
	TOTAL	260.24	144.91	79.95	162.76	647.86

Valley County Water District

ARROW	1900034	497.82	455.94	455.30	555.85	1,964.91
E MAIN	1900027	934.10	427.95	8.34	0.00	1,370.39
E CL O N	1900032	947.80	1,016.14	0.00	0.00	1,963.94
LANTE	8000060	258.92	153.08	169.81	306.51	888.32
SA1-1	8000184	494.17	575.41	592.06	824.26	2,485.90
SA1-2	8000186	0.00	0.00	0.00	0.00	0.00
WMAIN	1900028	0.00	0.00	0.00	0.00	0.00
W CL O N	1902356	0.00	0.00	0.00	0.00	0.00
SWS	8000206	-937.92	-1,011.91	-0.02	0.00	-1,949.85
	TOTAL	2,194.89	1,616.61	1,225.49	1,686.62	6,723.61

Valley View Mutual Water Company

1	1900363	0.00	0.00	0.00	0.00	0.00
2	1900364	163.04	117.59	94.46	125.85	500.94
	TOTAL	163.04	117.59	94.46	125.85	500.94

Vietnamese American Buddhist Temple

VIET TEM	8000191	2.32	0.95	0.74	1.36	5.37
	TOTAL	2.32	0.95	0.74	1.36	5.37

Vulcan Materials Company

1 REL	1903088	47.77	68.26	70.81	51.39	238.23
TEMP	--	115.97	93.43	71.00	70.05	350.45
	TOTAL	163.74	161.69	141.81	121.44	588.68

Producer's Name and Well Identification Number		2018-19 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	69.72	0.00	8.08	38.74	116.54
15	8000071	918.14	544.91	48.22	16.51	1,527.78
16	8000110	375.40	135.91	0.40	0.25	511.96
17	8000135	0.00	0.00	0.00	0.00	0.00
18	8000136	0.00	0.00	0.00	0.00	0.00
TOTAL		1,363.26	680.82	56.70	55.50	2,156.28

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

Grand Total	60,022.27	46,919.39	34,434.43	48,780.03	190,156.12
Surface Water Diversion Total	1,271.71	2,927.41	774.19	2,066.21	7,039.52
Groundwater Extraction Total	58,750.56	43,991.98	33,660.24	46,713.82	183,116.60

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	0.00	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	1,198.54	8,950.93
1978-79	170,000	189,439.67	214,919.54	34,404.83	78.11	6,745.88
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	287,394.98	236,679.19	2,151.85	80.10	51,594.26
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	62,582.49	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	140,000	169,575.74	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	240,000	268,418.02	259,807.52	12,065.12	156.28	27,862.73
2006-07	240,000	278,386.20	284,328.04	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	182,826.49	6,909.20	284.47	39,299.44
2016-17	150,000	199,994.06	197,243.28	7,526.21	285.56	34,893.57
2017-18	150,000	195,420.20	209,499.70	12,520.95	144.60	29,648.97
2018-19	150,000	189,434.81	190,156.12	10,411.92	298.63	34,603.48
Average 1/	192,757	233,162	238,334	26,499	334	29,560
10-Year Avg.	168,000	211,911	217,406	14,734	265	33,979
5-Year Avg.	150,000	195,576	197,613	9,937	287	34,734

1/ Average based on 46 years from 1973-74 through 2018-19.

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	2014-15	2015-16	2016-17	2017-18	2018-19
Adams Ranch Mutual Water Co.	55.59	37.21	--	--	--
Alhambra, City of ^{1/}	7,291.86	6,352.61	6,240.17	6,633.29	6,432.29
Amarillo Mutual Water Co.	343.88	336.50	333.23	335.52	319.96
Arcadia, City of	12,009.68	9,462.97	10,228.70	12,099.83	10,773.86
Arcadia Reclamation	0.00	0.00	0.00	36.43	59.71
Azusa, City of	6,831.70	6,125.64	6,663.98	7,161.54	6,620.23
Azusa Valley Water Co.	11,544.54	10,446.46	11,230.97	11,963.32	11,109.34
Banks, Gale & Vicki	34.00	26.86	32.47	31.42	27.35
California-American Water Co. (Duarte)	6,023.18	5,096.54	5,507.09	6,159.45	5,583.86
California-American Water Co. (San Marino)	8,034.66	6,056.89	5,952.35	6,771.32	6,767.46
California Country Club	0.00	0.00	0.00	0.00	0.00
California Domestic Water Co.	18,768.92	16,821.21	17,296.79	19,902.54	19,722.22
Carrier Corporation	33.71	32.49	19.66	22.44	0.84
Champion Mutual Water Co.	50.35	--	--	--	--
Citrus Valley Medical Center, Queen of the Valley Campus	0.00	0.00	0.00	0.00	0.00
Coiner, James W., dba Coiner Nursery	121.85	90.75	62.51	12.40	0.00
County Sanitation District No. 18	10.31	11.52	20.40	113.94	55.68
Covina Irrigating Co.	8,467.87	5,741.21	6,859.06	6,032.42	3,814.66
DeFalco, John & Carole	--	--	0.00	0.00	0.00
Del Rio Mutual Water Co.	114.00	100.00	105.00	111.00	97.00
Driftwood Dairy	--	--	--	--	--
East Pasadena Water Co., Ltd.	1,443.94	1,241.51	1,310.34	1,570.37	1,648.38
El Monte, City of	2,282.17	2,012.34	2,204.28	2,349.51	2,282.02
Gates, James Richard	1.16	0.95	0.87	0.83	0.65
Glendora, City of	8,438.78	8,731.80	10,001.79	10,798.50	9,383.80
Golden State Water Company (San Dimas District)	2,795.30	2,426.61	2,486.26	2,535.78	1,415.97
Golden State Water Company (San Gabriel Valley District)	5,748.18	5,092.36	5,232.10	5,423.34	5,108.79
Gould Electronics Inc. and Johnson Controls Inc.	--	386.79	832.55	919.03	528.37
Hanson Aggregates West, Inc.	123.92	195.41	167.19	220.73	167.30
Hemlock Mutual Water Co.	74.93	67.93	67.19	71.82	68.62
Hermetic Seal Corporation	50.31	42.30	53.07	53.21	51.55
Industry Waterworks System, City of	1,386.39	1,243.93	1,235.95	1,314.89	1,158.60

Producer Name	2014-15	2015-16	2016-17	2017-18	2018-19
La Puente Valley County Water District	1,593.99	1,436.68	1,402.37	1,535.86	1,645.57
Los Angeles, County of	3,185.69	3,116.10	4,215.97	4,143.69	4,314.41
MillerCoors LLC	401.67	330.58	450.86	429.44	488.24
Monrovia, City of	6,883.28	6,106.12	6,580.52	7,200.05	6,825.43
Monrovia Nursery	--	--	--	--	--
Monterey Park, City of	8,139.54	7,422.41	7,536.12	7,453.81	7,320.96
Moon Valley Nursery of California, Inc.	--	--	--	29.84	72.72
Munoz, Ralph	1.25	2.69	2.51	2.42	2.13
Progressive Buddhist Association	--	--	--	--	0.99
Puente Basin Water Agency	--	--	615.99	1,803.95	1,481.04
Rowland Water District	66.45	6.86	58.29	30.72	17.54
Rurban Homes Mutual Water Co.	173.90	141.36	143.98	184.14	75.24
San Gabriel Country Club	257.43	262.72	272.07	257.26	232.07
San Gabriel County Water District	5,202.82	4,633.76	5,261.75	5,451.14	4,386.27
San Gabriel Valley Water Co.	34,337.66	28,043.66	29,627.89	31,036.73	29,377.73
Sierra La Verne Country Club	6.41	4.57	0.00	0.00	0.00
Sierra Madre, City of	0.00	0.00	0.00	0.00	0.00
S. L. S. & N. Inc.	11.18	13.98	25.79	28.48	26.75
Sonoco Products Co.	141.80	88.84	69.42	71.56	83.49
Southern California Edison Co.	0.39	0.62	0.10	0.27	0.02
South Pasadena, City of	3,709.98	3,302.68	3,451.14	2,620.36	1,949.73
Sterling Mutual Water Co.	113.34	100.31	86.77	105.48	80.66
Suburban Water Systems	24,964.88	24,827.77	28,526.47	29,046.97	25,012.44
Sunny Slope Water Co.	2,237.05	1,999.74	2,180.70	2,251.03	2,436.96
Tran, Hieu	4.99	4.99	4.99	4.56	3.76
United Rock Products Corp.	315.14	397.00	300.15	451.85	500.72
Valencia Heights Water Co.	809.00	733.47	639.89	583.71	647.86
Valley County Water District	7,195.35	6,401.62	6,875.13	7,162.02	6,723.61
Valley View Mutual Water Co.	623.97	551.60	527.20	590.50	500.94
Vietnamese American Buddhist Temple	0.82	2.93	3.27	6.37	5.37
Vulcan Materials Co.	574.44	738.62	675.94	716.61	588.68
Whittier, City of	4,792.36	3,610.47	3,564.03	3,656.01	2,156.28
Workman Mill Investment Co.	513.20	363.55	0.00	0.00	0.00
TOTALS	208,339.16	182,826.49	197,243.28	209,499.70	190,156.12

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 2018-19 (ACRE-FEET)

Producer Name	Carryover To 2018-19	Fiscal Year 2018-19				
		Production Right	Production	Replacement Water Required	Lost Carry-Over	Carryover To 2019-20
Alhambra, City of	0.00	6,688.14	6,432.29 <u>1/</u>	1,922.55 <u>1/</u>	0.00	0.00
Amarillo Mutual Water Co.	102.71	420.82	319.96	0.00	0.00	100.86
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	10,773.86	0.00 <u>3/</u>	0.00	0.00
Arcadia Reclamation, Inc.	0.00	104.37 <u>4/</u>	59.71	0.00	0.00	44.66
Azusa, City of	0.00	700.59	6,620.23	5,919.64	0.00	0.00
Azusa Valley Water Co.	2,571.72	14,485.21	11,109.34	0.00	0.00	3,375.87
Baker, Kathryn W.	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
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	26.78	64.73	27.35	0.00	0.00	37.38
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)	46.10	4,501.65	5,583.86	0.00 <u>3/</u>	0.00	0.00
California-American Water Co. (San Marino)	0.00	6,048.06	6,767.46	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.	0.00	17,708.79	19,722.22	0.00 <u>3/</u>	0.00	0.00
Canyon Water Company	200.77	1.54	0.00	0.00	0.00	1.54
Carrier Corporation	0.00	0.00	0.84	0.84	0.00	0.00
Chevron U.S.A.	0.00	1.52 <u>5/</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
County Sanitation District No. 18	0.00	18.71 <u>4/</u>	55.68	36.97	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.	4,565.16	8,415.52	3,814.66	0.00	0.00	4,600.86
Crevoilin, A. J.	0.00	1.71 <u>5/</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.	11.26	112.30	97.00	0.00	0.00	15.30
East Pasadena Water Co., Ltd.	0.00	1,281.25 <u>4/</u>	1,648.38	367.13	0.00	0.00
El Monte, City of	12.70	2,126.02	2,282.02	156.00	0.00	0.00
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	0.65 <u>5/</u>	0.00	0.00	0.00
Glendora, City of	0.00	7,358.26	9,383.80	0.00 <u>3/</u>	0.00	0.00
Golden State Water Company (San Dimas District)	565.09	2,174.85	1,415.97	0.00	0.00	758.88
Golden State Water Company (San Gabriel Valley District)	68.93	6,061.20	5,108.79	0.00	0.00	952.41

Producer Name	Carryover To 2018-19	Fiscal Year 2018-19				
		Production Right	Production	Replacement Water Required	Lost Carry-Over	Carryover To 2019-20
Gould Electronics Inc. and Johnson Controls Inc.	0.00	0.00	528.37	0.00 <u>6/</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>5/</u>	0.00	0.57	0.00
Hanson Aggregates West, Inc.	62.49	238.90	167.30	0.00	0.00	71.60
Heinrich, Carolyn	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
Hemlock Mutual Water Co.	0.00	58.63 <u>4/</u>	68.62	9.99	0.00	0.00
Hermetic Seal Corporation	0.00	0.00	51.55	0.00 <u>7/</u>	0.00	0.00
Industry Waterworks System, City of Irwindale, City of	691.05	2,028.20	1,158.60	0.00	0.00	869.60
	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
JUH#1	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
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>5/</u>	0.00	0.00	0.57	0.00
La Puente Valley County Water District	111.81	1,599.05	1,645.57	0.00 <u>3/</u>	0.00	0.00
Los Angeles, County of	32.46	3,166.84	4,314.41 <u>8/</u>	0.00	0.00	510.40
Loucks, David	0.00	2.28 <u>5/</u>	0.00	0.00	2.28	0.00
Maggiore Family Trust, The	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
Martinez, Frances Mercy	0.00	0.57 <u>5/</u>	0.00	0.00	0.57	0.00
McIntyre, William	22.01	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	1,739.50	2,443.21	488.24	0.00	154.26	1,800.71
Monrovia, City of	0.00	6,740.08	6,825.43	0.00 <u>3/</u>	0.00	0.00
Monterey Park, City of	0.00	5,088.24	7,320.96	2,232.72	0.00	0.00
Moon Valley Nursery of California, Inc.	0.00	3.58 <u>4/</u>	72.72	69.14	0.00	0.00
Munoz, Ralph	0.00	0.00	2.13 <u>5/</u>	0.00	0.00	0.00
NCL Co, LLC	0.75	0.00 <u>2/</u>	0.00	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>5/</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	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
Polopolus, et al.	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
Progressive Buddhist Association	0.00	0.00 <u>5/</u>	0.99	0.99	0.00	0.00
Puente Basin Water Agency	0.00	0.00	1,481.04	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
Rana, Jeanne, Living Trust	0.00	0.00	0.00	0.00	0.00	0.00
Rosedale, Lucy. A & Harry Edwin III, Trustees of the Harry E. Rosedale Trust	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
Rosemead Development, Ltd.	0.00	0.77 <u>5/</u>	0.00	0.00	0.77	0.00
Rowland Water District	0.00	0.00	17.54	17.54	0.00	0.00
Rurban Homes Mutual Water Co.	66.29	75.24	75.24	0.00	0.00	0.00
Ruth, Roy	0.00	0.57 <u>5/</u>	0.00	0.00	0.57	0.00
San Gabriel Country Club	0.00	225.77 <u>4/</u>	232.07	6.30	0.00	0.00
San Gabriel County Water District	0.00	5,095.29	4,386.27	0.00	0.00	709.02
San Gabriel Valley Water Co.	0.00	17,926.77	29,377.73	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	0.98 <u>4/</u>	26.75	3.03 <u>9/</u>	0.00	0.00
Sonoco Products Company	5.39	91.88	83.49	0.00	0.00	8.39
Southern California Edison Co.	130.35	260.70	0.02	0.00	130.33	130.35
South Pasadena, City of	2,744.82	4,657.62	1,949.73	0.00	0.09	2,707.80
Southwest Water Company	0.00	0.00 <u>2/</u>	0.00	0.00	0.00	0.00
Sterling Mutual Water Co.	0.00	92.29 <u>4/</u>	80.66	0.00	0.00	11.63
Suburban Water Systems	8,580.22	36,222.38	25,012.44	0.00	0.00	11,209.94
Sunny Slope Water Co.	0.00	1,691.55	2,436.96	0.00 <u>3/</u>	0.00	0.00

Producer Name	Carryover To 2018-19	Fiscal Year 2018-19				
		Production Right	Production	Replacement Water Required	Lost Carry-Over	Carryover To 2019-20
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	3.76 <u>5/</u>	0.00	0.00	0.00
Tyler Nursery	0.00	2.43 <u>5/</u>	0.00	0.00	2.43	0.00
United Rock Products Corp.	0.00	348.80	500.72	0.00 <u>3/</u>	0.00	0.00
Valencia Heights Water Co.	0.00	505.28	647.86	0.00 <u>3/</u>	0.00	0.00
Valley County Water District	0.00	6,308.14	6,723.61	0.00 <u>3/</u>	0.00	0.00
Valley View Mutual Water Co.	0.00	577.45 <u>4/</u>	500.94	0.00		76.51
Vietnamese American Buddhist Temple	0.00	0.76 <u>4/</u>	5.37	4.61	0.00	0.00
Vulcan Materials Co.	109.27	758.35	588.68	0.00	0.00	169.67
Whittier, City of	6,219.97	8,433.76	2,156.28	0.00	0.00	6,277.48
Wilmott, Erma	0.00	0.57 <u>5/</u>	0.00	0.00	0.57	0.00
Workman Mill Investment Co.	<u>120.65</u>	<u>138.24</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>138.24</u>
TOTAL:	28,810.62	189,434.81	190,156.12	10,747.45	298.63	34,603.48

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/ Includes prior years' Replacement Water credit.

5/ Minimal producer.

6/ 528.37 AF not subject to assessment.

7/ 51.55 AF not subject to assessment.

8/ 1,657.97 AF not subject to assessment.

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

APPENDIX I

REPLACEMENT WATER REQUIREMENT
OF THE CITY OF ALHAMBRA, FISCAL YEAR 2018-19
IN ACCORDANCE WITH PARAGRAPH 19 OF THE
COOPERATIVE WATER EXCHANGE AGREEMENT
MAIN SAN GABRIEL BASIN
DATED MARCH 24, 1975

	<u>(Acre-feet)</u>
Total Quantity of Groundwater Produced	6,432.29
Total Quantity of Water Delivered Through USG-5	<u>2,943.90</u>
Total Annual Production	9,376.19
Less: 37.4% of Quantity Through USG-5	1,101.03
Less: Share of Operating Safe Yield	6,688.14
Less: Cyclic Storage Balance	<u>0.00</u>
Replacement Water Requirement for Fiscal Year 2018-19	1,587.02
Carryover Rights to Fiscal Year 2019-20	0.00

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	0.00	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	0.00	--	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	1,907.10	244.75	--	2,151.85	1,573.60	3,725.45
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	48,908.58	11,296.63	--	60,205.21	0.00	60,205.21
1989-90	48,120.86	12,783.96	--	60,904.82	0.00	60,904.82
1990-91	30,815.02	10,475.38	0.00	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	67,101.36
1992-93	7,560.26	8,250.46	0.00	15,810.72	50,031.39	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	5,583.63	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	24,636.20	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
2017-18	3,678.17	8,855.58	0.00	12,533.75	27,409.98	39,943.73
2018-19	672.54	10,074.91	0.00	10,747.45	24,101.15	34,848.60
TOTALS	890,480.94	295,331.44	36,743.29	1,222,555.67	472,884.68	1,695,440.35
45-YEAR AVERAGE	19,358.28	6,420.25	1,267.01	26,577.30	10,280.10	36,857.40
5-YEAR AVERAGE	2,485.08	7,522.07	0.00	10,007.15	25,708.11	35,715.26
10-YEAR AVERAGE	4,803.07	9,670.84	272.49	14,746.40	23,952.61	38,699.02

Note: The minimum and maximum values are bolded.

APPENDIX J

INTERVENTIONS AFTER JUDGMENT

APPENDIX J

**INTERVENTIONS AFTER
JUDGMENT DURING FISCAL YEAR
2018-19**

INTERVENOR	TYPE OF TRANSACTION	EFFECTIVE DATE OF ORDER OF INTERVENTION
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Jeanne Rana Living Trust

Intervention in the permanent
transfer of water rights.

Pending

APPENDIX K

TRANSFERS OF ADJUDICATED RIGHTS

APPENDIX K

TRANSFERS OF ADJUDICATED RIGHTS 2018-19

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

PERMANENT TRANSFERS

Polopolus, et al	10/23/18	Perm.	22.50	0.01138	17.07	California Domestic Water
Ruth Elaine Ailor Garnier Trust	12/13/18	Perm.	41.70	0.02110	31.65	Suburban Water Systems
The Nicholson Trust	01/09/19	Perm.	24.00	0.01215	18.23	The Nicholson Family Trust
Jeanne Brondino	06/06/19	Perm.	25.08	0.01269	19.04	Jeanne Rana Living Trust
Bandel Family Trust	06/21/19	Perm.	16.70	0.00845	12.68	San Gabriel Valley Water Company

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 1/	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	04/16/18	06/30/19	--	--	70.00	California Domestic Water Company
Mary Kay Dawes (Partridge)	06/19/18	06/30/19	--	--	335.39	La Puente Valley County Water District
City of Covina	06/26/18	06/30/19	--	--	359.69	Covina Irrigating Company
NCL Co, LLC	07/09/18	06/30/19	--	--	1.50	2/ Vulcan Materials Company
Vulcan Materials Company	07/17/18	06/30/19	--	--	112.77	City of Azusa
Cadway, Inc	07/18/18	06/30/19	--	--	488.18	California Domestic Water Company
JUH#1	07/30/18	06/30/19	--	--	32.00	3/ Canyon Water Company

	Transaction					
		Date of lease expir.	Amount			
			Prescrip. pumping right (acre-feet)	Pumper's share (percent)	Production right (acre-feet)	
Transferor	Date					Transferee
Lucy A. Rosedale and Harry Edwin Rosedale III, Trustees of the Harry E. Rosedale Trust	07/30/18	06/30/19	--	--	168.00	4/ Canyon Water Company
Vulcan Materials Company	08/03/18	06/30/19	--	--	100.00	Arcadia Reclamation, Inc.
Vulcan Materials Company	08/13/18	06/30/19	--	--	500.00	San Gabriel Valley Water Company
Rados Brothers	09/13/18	06/30/19	--	--	32.64	San Gabriel Valley Water Company
The Nicholson Trust	09/26/18	06/30/19	--	--	18.23	San Gabriel Valley Water Company
The Nicholson Family Trust	09/26/18	06/30/19	--	--	5.31	San Gabriel Valley Water Company
The Kathryn W. Baker Trust	10/15/18	06/30/19	--	--	140.79	San Gabriel Valley Water Company
Jeanne Brondino	10/24/18	06/30/19	--	--	19.04	San Gabriel Valley Water Company
Susan Andrade	10/29/18	06/30/19	--	--	6.35	San Gabriel Valley Water Company
Covina Irrigating Company	11/29/18	06/30/19	--	--	2,375.00	Suburban Water Systems
Co-Tenancy of Laurence R. Pellissier Irrevocable Trust, et al	12/10/18	06/30/19	--	--	2,462.88	California Domestic Water Company
Covina Irrigating Company	12/13/18	06/30/19	--	--	600.00	Canyon Water Company
Pico County Water District	12/13/18	06/30/19	--	--	0.57	Suburban Water Systems
Canyon Water Company	12/20/18	06/30/19	--	--	1,000.00	La Puente Valley County Water District
La Puente Valley County Water District	12/20/18	06/30/19	--	--	500.00	City of Industry
Rurban Homes Mutual Water Company	12/26/18	06/30/19	--	--	156.32	San Gabriel Valley Water Company
The William Knight Living Trust	01/09/19	06/30/19	--	--	172.95	California Domestic Water Company
La Puente Valley County Water District	01/10/19	06/30/19	--	--	250.00	San Gabriel County Water District
Tate Family Trust	01/28/19	06/30/19	--	--	43.89	La Puente Valley County Water District

	Transaction					
		Date of lease expir.	Amount			
			Prescrip. pumping right (acre-feet)	Pumper's share (percent)	Production right (acre-feet)	
Transferor	Date					Transferee
Covina Irrigating Company	01/31/19	06/30/19	--	--	2,200.00	Suburban Water Systems
Co-Tenancy of Laurence R. Pellissier Irrevocable Trust, et al	02/11/19	06/30/19	--	--	2,462.88	Covina Irrigating Company
City of Brea	02/19/19	06/30/19	1,502.72	0.76035	1,140.53	California Domestic Water Company
Walter Green	03/06/19	06/30/19	--	--	54.42	California Domestic Water Company
Valencia Heights Water Company	04/03/19	06/30/19	--	--	300.00	Covina Irrigating Company
Amarillo Mutual Water Company	04/17/19	06/30/19	--	--	100.00	Valley View Mutual Water Company
Azusa Valley Water Company	04/23/19	06/30/19	--	--	750.00	San Gabriel County Water District
Azusa Valley Water Company	04/23/19	06/30/19	--	--	1,000.00	Valley County Water District
Azusa Valley Water Company	04/23/19	06/30/19	--	--	1,000.00	City of Monrovia
City of Whittier	05/03/19	06/30/19	--	--	3,300.00	Suburban Water Systems
The Bandel Family Trust	05/13/19	06/30/19	--	--	12.68	Suburban Water Systems
Covina Irrigating Company	05/16/19	06/30/19	--	--	500.00	Valley County Water District
Amarillo Mutual Water Company	05/17/19	06/30/19	--	--	120.00	San Gabriel Valley Water Company
Covina Irrigating Company	05/21/19	06/30/19	--	--	1,175.00	California Domestic Water Company
Workman Mill Investment Company	05/22/19	06/30/19	--	--	1,300.00	San Gabriel Valley Water Company
City of Irwindale	05/23/19	06/30/19	--	--	285.38	Valley County Water District
Metropolitan Water District of Southern California	05/29/19	06/30/19	--	--	134.83	5/ San Gabriel Valley Water Company
Sonoco Products Company	06/18/19	06/30/19	--	--	150.00	California Domestic Water Company
Del Rio Mutual Water Company	06/20/19	06/30/19	--	--	50.00	California Domestic Water Company
Carolyn Heinrich	06/24/19	06/30/19	--	--	19.04	San Gabriel Valley Water Company

	Transaction					
		Date of lease expir.	Amount			
			Prescrip. pumping right (acre-feet)	Pumper's share (percent)	Production right (acre-feet)	
Transferor	Date					Transferee
Hanson Aggregates	06/25/19	06/30/19	--	--	1,580.00	California Domestic Water Company
City of Whittier	06/26/19	06/30/19	--	--	500.00	Suburban Water Systems
Southwest Water Company	06/27/19	06/30/19	--	--	89.94	Suburban Water Systems
Golden State Water Company - San Dimas	06/27/19	06/30/19	--	--	1,500.00	Golden State Water Company - San Gabriel
William McIntyre	06/28/19	06/30/19	--	--	22.01	Covina Irrigating Company
MillerCoors LLC	07/08/19	06/30/19	--	--	1,097.00	Azusa Valley Water Company
City of Whittier	07/17/19	06/30/19	--	--	264.00	Suburban Water Systems
City of South Pasadena	09/04/19	06/30/19	--	--	795.00	California Domestic 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 0.75 AF of carryover rights.

3/ Includes 32 AF of Diversion Component.

4/ Includes 168 AF of Diversion Component.

5/ Includes 9.59 AF of Diversion Component.

APPENDIX L

**BASE ANNUAL DIVERSION RIGHTS
OF CERTAIN DIVERTERS (EXHIBIT “C”)**

**RIGHTS AND PUMPER’S SHARE
OF EACH PUMPER (EXHIBIT “D”)**

**PRODUCTION RIGHT OF EACH
INTEGRATED PRODUCER (EXHIBIT “E”)**

**CONSUMPTIVE USE
PORTIONS OF PRODUCERS WITH
OVERLYING RIGHTS (EXHIBIT “K”)**

APPENDIX L

**EXHIBIT "C" OF JUDGMENT
TABLE SHOWING
BASE ANNUAL DIVERSION RIGHTS OF CERTAIN DIVERTERS
AS OF JUNE 30, 2019**

DIVERTER	BASE ANNUAL DIVERSION RIGHT (ACRE-FEET)
Aqua Capital Management LP¹	
(Successor to Covell, Ralph) ²	2.12
(Transferred to California Domestic Water Company) ²	<u>-2.12</u>
	0.00
California Domestic Water Company	
(Successor to Aqua Capital Management LP) ²	2.12
(Transferred to Covina Irrigating Company) ²	<u>-2.12</u>
	0.00
Covell, Ralph	2.12
(Successor to Rittenhouse, Catherine and Rittenhouse, James) ³	
(Transferred to Aqua Capital Management LP) ²	<u>-2.12</u>
	0.00
Maddock, A. G.	3.40
(Transferred to San Gabriel Valley Water Company) ²	<u>-3.40</u>
	0.00
Rittenhouse, Catherine	0.00
(Transferred to Covell, Ralph) ³	
Rittenhouse, James	0.00
(Transferred to Covell, Ralph) ³	
Ruebhausen, Arline	18.34
(Held in common with Ruebhausen, Victor)	
(Transferred to City of Glendora) ²	<u>-18.34</u>
	0.00
Ruebhausen, Victor	--
(See Ruebhausen, Arline)	
San Gabriel Valley Water Company	
(Successor to Maddock, A.G.) ²	3.40
TOTAL	<u>3.40</u>

APPENDIX L

**EXHIBIT "D" OF JUDGMENT
TABLE SHOWING RIGHTS
AND PUMPER'S SHARE OF EACH PUMPER
AS OF JUNE 30, 2019**

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
6W Farms, Inc.	1,217.40	0.61599
(Formerly Woodland Farms, Inc.)		
(Transferred to:		
Miller Brewing Company	-919.50	-0.46526
Richard J. Woodland) ²	<u>-297.90</u>	<u>-0.15073</u>
	0.00	0.00000
Adams Ranch Mutual Water Company	100.00	0.05060
(Transferred to California American Water Co. - San Marino System) ²	<u>-100.00</u>	<u>-0.05060</u>
	0.00	0.00000
A & E Plastik Pak Co., Inc.	0.00	0.00000
(Transferred to Industry Properties, Ltd.) ³		
Alhambra, City of	8,812.05	4.45876
Amarillo Mutual Water Company	709.00	0.35874
American Sheds, Inc.¹		
(Successor to Southwestern Portland Cement Company) ²	742.00	0.37544
(Transferred to USA Waste of California, Inc.) ²	<u>-742.00</u>	<u>-0.37544</u>
	0.00	0.00000
Anchor Plating Co., Inc.¹		
(Successor to Bodger & Sons, DBA Bodger Seeds Ltd.) ²	10.00	0.00506
(Transferred to Crown City Plating Co.) ²	<u>-10.00</u>	<u>-0.00506</u>
	0.00	0.00000
Anderson Family Marital Trust¹		
(Successor to Anderson, Ray L. and Helen T.) ²	50.16	0.02538
(Transferred to:		
Brondino, Jeanne	-25.08	-0.01269
Heinrich, Carolyn) ²	<u>-25.08</u>	<u>-0.01269</u>
	0.00	0.00000
Anderson, Ray¹		
(Successor to Covina Valley Unified School District) ²	50.16	0.02538
(Transferred to Anderson, Ray L. and Helen T.) ²	<u>-50.16</u>	<u>-0.02538</u>
	0.00	0.00000
Anderson, Ray L. and Helen T.¹		
(Successor to Anderson, Ray) ²	50.16	0.02538
(Transferred to Anderson Family Marital Trust) ²	<u>-50.16</u>	<u>-0.02538</u>
	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Andrade, Macario and Consuelo; and Andrade, Robert and Jayne ¹		
(Successor to J. F. Isbell Estate, Inc.) ²	8.36	0.00423
(Transferred to Susan Andrade) ²	<u>-8.36</u>	<u>-0.00423</u>
	0.00	0.00000
Andrade, Susan ¹		
(Successor to Andrade, Macario and Consuelo; and Andrade, Robert and Jayne) ²	<u>8.36</u>	<u>0.00423</u>
	8.36	0.00423
Aqua Capital Management LP ¹		
(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) ²	297.90	0.15073
(Transferred to:		
California Domestic Water Company) ²	<u>-1074.60</u>	<u>-0.54374</u>
	0.00	0.00000
Arcadia, City of	9,252.00	4.68137
(Successor to First National Finance Corporation) ²	60.90	0.03081
(Transferred to City of Monrovia) ²	<u>-951.00</u>	<u>-0.48119</u>
	8,361.90	4.23099
Arcadia Reclamation, Inc. ¹	0.00	0.00000
Associated Southern Investment Company	16.50	0.00335
(Transferred to Southern California Edison Company) ²	<u>-16.50</u>	<u>-0.00335</u>
	0.00	0.00000
AZ-Two, Inc. ¹	--	--
(See Southdown, Inc.)		
Azusa Associates, LLC ¹		
(Successor to Snyder, Esther) ²	18.51	0.00937
(Transferred to Aqua Capital Management LP) ²	<u>-18.51</u>	<u>-0.00937</u>
	0.00	0.00000
Azusa-Western Inc.	742.00	0.37544
(Transferred to Southwestern Portland Cement Co.) ²	<u>-742.00</u>	<u>-0.37544</u>
	0.00	0.00000
Bahnsen & Beckman Ind., Inc.	840.50	0.42528
(Transferred to Woodland, Richard) ²	<u>-840.50</u>	<u>-0.42528</u>
	0.00	0.00000
Bahnsen, Betty M.	441.90	0.22359
(Transferred to Dawes, Mary Kay) ²	<u>-441.90</u>	<u>-0.22359</u>
	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Baker Trust, The Kathryn W.¹ (Successor to Lovelady, June G., Trustee) ²	<u>185.50</u> 185.50	<u>0.09386</u> 0.09386
Baldwin Park County Water District (See Valley County Water District)	--	--
Bandel Family Trust¹ (Successor to Garnier, Camille A, Deceased, Estate of) ² (Transferred to San Gabriel Valley Water Company) ²	16.70 <u>-16.70</u> 0.00	0.00845 <u>-0.00845</u> 0.00000
Banks, Gale C. and Vicki Lynn¹ (Successor to Doyle, Mr. and Mrs.; and Madruga, Mr. and Mrs.) ²	<u>50.00</u> 50.00	<u>0.02530</u> 0.02530
Base Line Water Company (Transferred to Hughes Development Corporation) ²	430.20 <u>-430.20</u> 0.00	0.21767 <u>-0.21767</u> 0.00000
Beverly Acres Mutual Water Company (See Beverly Acres Mutual Water Users Association)	--	--
Beverly Acres Mutual Water Users Association (Formerly Beverly Acres Mutual Water Company) (Transferred to: San Gabriel Valley Water Company; Nicholson Trust) ²	93.00 -50.00 <u>-43.00</u> 0.00	0.04706 -0.02530 <u>-0.02176</u> 0.00000
Birenbaum, Max (Held in common with Birenbaum, Sylvia; Schneiderman, Alan; Schneiderman, Lydia; Wigodsky, Bernard; Wigodsky, Estera) (Transferred to City of Whittier) ²	6.00 <u>-6.00</u> 0.00	0.00304 <u>-0.00304</u> 0.00000
Birenbaum, Sylvia (See Birenbaum, Max)	--	--
Blue Diamond Concrete Materials Div., The Flintkote Company (Transferred to Sully-Miller Contracting Co.) ²	1,399.33 <u>-1,399.33</u> 0.00	0.70804 <u>-0.70804</u> 0.00000
Bodger & Sons DBA Bodger Seeds Ltd. (Transferred to Anchor Plating Co., Inc.) ²	10.00 <u>-10.00</u> 0.00	0.00506 <u>-0.00506</u> 0.00000
Botello Water Company	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Brezina, Raymond W. and Susan W. Trust 2001¹	--	--
Brea, City of¹ (Successor to: California Domestic Water Company California Domestic Water Company) ²	428.12 <u>1,074.60</u> 1,502.72	0.21662 <u>0.54373</u> 0.76035
Brondino, Jeanne¹ (Successor to Anderson Family Marital Trust) ² (Transferred to Jeanne Rana Living Trust) ²	25.08 <u>-25.08</u> 0.00	0.01269 <u>-0.01269</u> 0.00000
Burbank Development Company (Transferred to Wright, Darrell A., Wright, Merle M. & Carlson, Jeanne W.) ²	50.85 <u>-50.85</u> 0.00	0.02563 <u>-0.02563</u> 0.00000
Cadway, Inc.¹ (Successor to: Corcoran, Jack S. and R. L. Corcoran, Jack S. and R. L. Corcoran, Jack S. and R. L. Corcoran, Jack S. and R. L. Garnier, Janus Sloan Ranches Corcoran, Jack S. and R.L.) ² (Transferred to: California Domestic Water Company California Domestic Water Company California Domestic Water Company) ²	100.00 100.00 273.50 30.00 203.00 129.60 243.50 -243.50 -129.60 <u>-63.30</u> 643.20	0.05060 0.05060 0.13839 0.01518 0.10272 0.06558 0.12320 -0.12321 -0.06558 <u>-0.03203</u> 0.32545
Cal Fin (Transferred to Suburban Water Systems) ²	118.10 <u>-118.10</u> 0.00	0.05976 <u>-0.05976</u> 0.00000
California-American Water Company (San Marino System) (Successor to Adams Ranch Mutual Water Company) ²	7,868.70 <u>100.00</u> 7,968.70	3.98144 <u>0.05060</u> 4.03204
California Country Club¹ (Formerly CCC Management)	0.00	0.00000
California Domestic Water Company (Successor to: Cantrill Mutual Water Company ³ Industry Properties, Ltd.) ²	11,024.82 42.50 73.50	5.57839 0.02150 0.03719

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Modern Accent Corporation ²	256.86	0.12997
Fisher, Russell ²	19.00	0.00961
Graveline, George Wayne and Alexis June, Trust ²	216.60	0.10959
Cadway, Inc. ²	243.50	0.12321
Cadway, Inc. ²	129.60	0.06558
Cadway, Inc. ²	63.30	0.03203
United Rock Products Corporation ²	450.00	0.22769
Aqua Capital Management LP ²	1,074.60	0.54374
Covina Irrigating Company	203.12	0.10278
Polopolus, et al ²)	22.50	0.01138
(Transferred to:		
Brea, City of ²	-428.12	-0.21662
Brea, City of ²)	<u>-1,074.60</u>	<u>-0.54373</u>
	12,317.18	6.23231
California Materials Company	0.00	0.00000
CalMat	--	--
(Formerly Conrock Company)		
(See Vulcan Materials Company)		
Cantrill Mutual Water Company	0.00	0.00000
(Transferred to California Domestic Water Company) ³		
Canyon Water Company¹		
(Successor to McIntyre, William) ²	<u>1.00</u>	<u>0.00051</u>
	1.00	0.00051
Canyon Water & Development Corporation¹	0.00	0.00000
CCC Management¹	--	--
(See California Country Club)		
Cedar Avenue Mutual Water Company	121.10	0.06127
(Transferred to San Gabriel Valley Water Company) ²	<u>-121.10</u>	<u>-0.06127</u>
	0.00	0.00000
CEMEX California Aggregates, Inc.¹	--	--
(Formerly Southdown)		
Champion Mutual Water Company	147.68	0.07472
(Transferred to San Gabriel Valley Water Company) ²	<u>-147.68</u>	<u>-0.07472</u>
	0.00	0.00000
Chevron U.S.A.	2.00	0.00101
(Formerly Standard Oil of California)		
Chronis, Christine¹	--	--
(See Polopolus, et al.)		

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Clayton Manufacturing Company (Transferred to City of Glendora) ²	511.80 <u>-511.80</u> 0.00	0.25896 <u>-0.25896</u> 0.00000
Coiner, James W., dba Coiner Nursery¹	--	--
Coiner Nursery, LLC¹	--	--
Collison, E. O.	0.00	0.00000
Comby, Erma M. (See Wilmott, Erma M.)	--	--
Conrock Company (See CalMat) (Formerly Consolidated Rock Products Co.)	--	--
Consolidated Rock Products Co. (See Conrock Company)	--	--
Corcoran, Jack S. (Held in common with Corcoran, R. L.) (Transferred to: Cadway, Inc. Cadway, Inc. Cadway, Inc. Cadway, Inc. Cadway, Inc.) ²	747.00 -100.00 -100.00 -273.50 -30.00 <u>-243.50</u> 0.00	0.37797 -0.05060 -0.05060 -0.13839 -0.01518 <u>-0.12320</u> 0.00000
Corcoran, R. L. (See Corcoran, Jack S.)	--	--
County Sanitation District No. 18 of Los Angeles County	4.50	0.00228
Covell, et al. (Successor to Rittenhouse, Catherine and Rittenhouse, James) ³ (Held in common with Tate, Phillip G. and Sieglinde A.; Goedert, Lillian E.; 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) ²	111.05 -9.26 -9.26 -57.83 -18.51 <u>-16.19</u> 0.00	0.05619 -0.00468 -0.00468 -0.02926 -0.00937 <u>-0.00820</u> 0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Covina, City of	2,507.89	1.26895
(Transferred to:		
Covina Irrigating Company	-1,734.00	-0.87737
Covina Irrigating Company) ²	<u>-300.00</u>	<u>-0.15179</u>
	473.89	0.23979
Covina-Valley Unified School District	50.16	0.02538
(Transferred to Anderson, Ray) ²	<u>-50.16</u>	<u>-0.02538</u>
	0.00	0.00000
Crevolin, A. J.	2.25	0.00114
Crocker National Bank, Executor of the Estate of A. V. Handorf	0.00	0.00000
(Transferred to Modern Accent Corp.) ³		
Cross Water Company	1,103.00	0.05581
(Transferred to Industry Waterworks System, City of) ²	<u>-1,103.00</u>	<u>-0.05581</u>
	0.00	0.00000
Crown City Plating Company	190.00	0.09614
(Successor to Anchor Plating Co., Inc.) ²	10.00	0.00506
(Transferred to Valencia Heights Water Company) ²	<u>-200.00</u>	<u>-0.10120</u>
	0.00	0.00000
Davidson Optronics, Inc.	22.00	0.01113
(Transferred to Covina Irrigating Company) ²	<u>-22.00</u>	<u>-0.01113</u>
	0.00	0.00000
Dawes, Mary Kay¹	441.90	0.22359
(Successor to Bahnsen, Betty M.) ²		
Del Rio Mutual Water Company	199.00	0.10069
Denton, Kathryn W., Trustee for San Jose Ranch Company	185.50	0.09386
(Transferred to White, June G., Trustee of the June G. White share of the Garnier Trust) ²	<u>-185.50</u>	<u>-0.09386</u>
	0.00	0.00000
Doyle, Mr. and Mrs.; and Madruga, Mr. and Mrs.¹		
(Successor to Sawpit Farms, Limited) ²	50.00	0.02530
(Transferred to Banks, Gale C. and Vicki Lynn) ²	<u>-50.00</u>	<u>-0.02530</u>
	0.00	0.00000
Driftwood Dairy	163.80	0.08288
(Transferred to San Gabriel Valley Water Company) ²	<u>-163.80</u>	<u>-0.08288</u>
	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Duhalde, L. (Transferred to El Monte Union High School District) ³	0.00	0.00000
Dunning, George (Held in common with Dunning, Vera H.) (Successor to Vera H. Dunning) ² (Transferred to Dunning Trust, George A. V.) ²	324.00 <u>-324.00</u> 0.00	0.16394 <u>-0.16394</u> 0.00000
Dunning Trust, George A. V. ¹ (Successor to Dunning, George) ² (Transferred to Loyola Marymount University) ²	324.00 <u>-324.00</u> 0.00	0.16394 <u>-0.16394</u> 0.00000
Dunning, Vera H. (See Dunning, George) (Transferred to Dunning, George) ²	324.00 <u>-324.00</u> 0.00	0.16394 <u>-0.16394</u> 0.00000
Durfee Property, LLC ¹ (Successor to Texaco, Inc.) ² (Transferred to San Gabriel Valley Water Company) ²	50.00 <u>-50.00</u> 0.00	0.02530 <u>-0.02530</u> 0.00000
East Pasadena Water Company, Ltd.	1,407.69	0.71227
Eckis, Rollin ¹ (Successor to Sawpit Farms, Limited) ² (Transferred to City of Monrovia) ²	123.00 <u>-123.00</u> 0.00	0.06224 <u>-0.06224</u> 0.00000
El Encanto Properties (Transferred to La Puente Valley County Water District) ²	33.40 <u>-33.40</u> 0.00	0.01690 <u>-0.01690</u> 0.00000
El Monte, City of (Successor to W. E. Hall Company) ²	2,784.23 <u>0.20</u> 2,784.43	1.40878 <u>0.00010</u> 1.40888
El Monte Cemetery Association	18.50	0.00936
El Monte Union High School District (Successor to Duhalde, L.) ³ (Transferred to City of Whittier) ²	9.80 6.40 <u>-16.20</u> 0.00	0.00496 0.00324 <u>-0.00820</u> 0.00000
Everett, Mrs. Alda B. (Held in common with Everett, W.B., Executor of the Estate of I. Worth Everett)	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Everett, W.B., Executor of the Estate of I. Worth Everett (See Everett, Mrs. Alda B.)	--	--
Faix, Incorporated (Successor to Frank F. Pellissier & Sons, Inc.) ³ (Transferred to Faix, Ltd.) ³	0.00	0.00000
Faix, Ltd. (Successor to Faix, Incorporated) ³ (Transferred to Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of) ²	6,490.00 <u>-6,490.00</u> 0.00	3.28384 <u>-3.28384</u> 0.00000
First National Finance Corporation (Transferred to City of Arcadia) ²	60.90 <u>-60.90</u> 0.00	0.03081 <u>-0.03081</u> 0.00000
Fisher, Russell (Held in common with Hauch, Edward and Warren, Clyde) (Transferred to California Domestic Water Company) ²	19.00 <u>-19.00</u> 0.00	0.00961 <u>-0.00961</u> 0.00000
Fox Family Trust Michael Edward Fox and Crystal Marie Fox, Trustees¹ (Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) ²	145.83	0.07378
Frank F. Pellissier & Sons, Inc. (Transferred to Faix, Incorporated) ³	0.00	0.00000
Fruit Street Water Company (Transferred to: Gifford, Brooks, Jr., City of La Verne) ²	207.00 -101.29 <u>-105.71</u> 0.00	0.10474 -0.05125 <u>-0.05349</u> 0.00000
Garnier, Anton C. and Anita, Family Trust¹ (Successor to: South Covina Water Service Garnier, Camille A., Deceased, Estate of Garnier, Janus) ²	203.00 8.30 <u>3.00</u> 214.30	0.10271 0.00420 <u>0.00152</u> 0.10843
Garnier, Camille A., Deceased, Estate of¹ (Successor to South Covina Water Service) ² (Transferred to: The Ruth Elaine Ailor Garnier Trust The George Wayne and Alexis June Graveline Trust The Anton C. and Anita Garnier Family Trust Janus Garnier The Bandel Family Trust) ²	83.30 -41.70 -8.30 -8.30 -8.30 <u>-16.70</u> 0.00	0.04215 -0.02110 -0.00420 -0.00420 -0.00420 <u>-0.00845</u> 0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Garnier, Janus¹		
(Successor to :		
Garnier, Camille A. Deceased, Estate of	8.30	0.00420
South Covina Water Service) ²	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.) ²	<u>-203.00</u>	<u>-0.10272</u>
	0.00	0.00000
Garnier, Ruth Elaine Ailor, Trust¹		
(Successor to Garnier, Camille A. Deceased,	41.70	0.02110
Estate of) ²		
(Transferred to:		
Suburban Water Systems) ²	<u>-41.70</u>	<u>-0.02110</u>
	0.00	0.00000
Gates, James Richard¹	0.00	0.00000
Gifford, Brooks, Jr.¹		
(Successor to:		
Fruit Street Water Company,	101.29	0.05125
Mission Gardens Mutual Water Company) ²	96.96	0.04906
(Transferred to City of Whittier) ²	<u>-198.25</u>	<u>-0.10031</u>
	0.00	0.00000
Gilkerson, Frank B.	--	--
(Formerly part of Covell, et al.)		
(Transferred interest in Covell, et al. to Jobe, Darr) ²		
Glendora Unified High School District	99.00	0.05009
(Transferred to City of Glendora) ²	<u>-99.00</u>	<u>-0.05009</u>
	0.00	0.00000
Goedert, Lillian E.		
(See Covell, et al.)		
(Successor to Covell, et al.) ²	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) ²	0.00	0.00000
Goedert, Marion W.	--	--
(See Covell, et al.)		
Golden State Water Company,	5,773.00	2.92105
San Gabriel Valley District		
(Formerly Southern California Water Company)		
Graham, William	--	--
(Formerly part of Covell, et al.)		
(Transferred interest in Covell et al. to Jobe, Darr) ²		

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Graveline, George Wayne and Alexis June, Trust¹		
(Successor to:		
South Covina Water Service	203.00	0.10271
Garnier, Camille A., Deceased, Estate of	8.30	0.00420
Garnier, Janus) ²	5.30	0.00268
(Transferred to California Domestic Water Company) ²	<u>-216.60</u>	<u>-0.10959</u>
	0.00	0.00000
Green, Walter	71.70	0.03628
Grizzle, Lissa B.	184.00	0.09310
(Held in common with Grizzle, Mervin A.;		
Wilson, Harold R.; Wilson, Sarah C.)		
(Transferred to City of Whittier) ²	<u>-184.00</u>	<u>-0.09310</u>
	0.00	0.00000
Grizzle, Mervin A.	--	--
(See Grizzle, Lissa B.)		
Hansen, Alice	0.75	0.00038
Hanson Aggregates West, Inc.¹		
(Successor to:		
Livingston-Graham, Inc.	1,824.40	0.92312
Sully-Miller Contracting Company) ²	<u>489.77</u>	<u>0.24782</u>
	2,314.17	1.17094
Hartley, David¹	--	--
Hauch, Edward	--	--
(See Fisher, Russell)		
Heinrich, Carolyn¹		
(Successor to Anderson Family Marital Trust) ²	<u>25.08</u>	<u>0.01269</u>
	25.08	0.01269
Hemlock Mutual Water Company	166.00	0.08399
Hollenbeck Street Water Company	0.00	0.00000
(Transferred to Suburban Water Systems) ³		
Hughes Development Corporation¹		
(Successor to Base Line Water Company) ²	430.20	0.21767
(Transferred to:		
San Gabriel County Water District	-400.00	-0.20239
San Gabriel County Water District) ²	<u>-30.20</u>	<u>-0.01528</u>
	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Hunter, Lloyd F.¹ (Successor to Wade, R.) ² (Transferred to Covina Irrigating Company) ²	4.40 <u>-4.40</u> 0.00	0.00223 <u>-0.00223</u> 0.00000
Hydro-Conduit Corporation	0.00	0.00000
Industry Waterworks System, City of⁴ (Successor to Cross Water Company) ²	<u>1,103.00</u> 1,103.00	<u>0.55810</u> 0.55810
Industry Properties, Ltd. (Successor to A & E Plastik Pak Co., Inc.) ³ (Transferred to California Domestic Water Co.) ²	73.50 <u>-73.50</u> 0.00	0.03719 <u>-0.03719</u> 0.00000
Irwindale, City of¹ (Successor to United Concrete Pipe Corporation) ²	<u>376.00</u> 376.00	<u>0.19025</u> 0.19025
J. F. Isbell Estate, Inc. (Transferred to Andrade, Macario and Consuelo; and Andrade, Robert and Jayne) ²	8.36 <u>-8.36</u> 0.00	0.00423 <u>-0.00423</u> 0.00000
Jerris, Helen¹ (See Polopolus, et al.)	--	--
Jobe, Darr¹ (Formerly part of Covell, et al.) (Successor to: Gilkerson, Frank B. interest in Covell et al. Graham, William interest in Covell et al.) ² (Transferred interest in Covell et al. to Tate, Phillip G. and Sieglinde A.) ²	--	--
Kirklen Family Trust¹ (Formerly Kirklen, Dawn L.) (Held in common with Kirklen, William R.) (Successor to San Dimas-La Verne Recreational Facilities Authority) ² (Transferred to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) ²	375.00 62.50 <u>-437.50</u> 0.00	0.18974 0.03162 <u>-0.22136</u> 0.00000
Kirklen, Dawn L. (See Kirklen Family Trust)	--	--
Kirklen, Jeffery¹ (Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) ²	145.84	0.07379

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Kirklen, William R. (See Kirklen, Dawn L.)	--	--
Kiyan Farms (Formerly Kiyan, Hideo) (Transferred to West Covina Venture, Ltd.) ²	30.00 <u>-30.00</u> 0.00	0.01518 <u>-0.01518</u> 0.00000
Kiyan, Hideo (See Kiyan Farms) (Held in common with Kiyan, Hiro)	--	--
Kiyan, Hiro (See Kiyan, Hideo)	--	--
Knight, Kathryn M. ¹ (Successor to Knight, William) ² (Transferred to Knight, William) ²	227.88 <u>-227.88</u> 0.00	0.11530 <u>-0.11530</u> 0.00000
Knight, William (Transferred to Knight, Kathryn M.) ² (Successor to Knight, Kathryn M.) ² (Transferred to Knight, William J., Living Trust) ²	227.88 -227.88 227.88 <u>-227.88</u> 0.00	0.11530 -0.11530 0.11530 <u>-0.11530</u> 0.00000
Knight, William J., Living Trust ¹ (Successor to Knight, William)	227.88	0.11530
Lakin, Kelly R. ¹ (See Covell, et al.) (Successor to Covell, et al.) ² (Transferred to: Covina Irrigating Co. Covina Irrigating Co.) ²	9.26 -6.03 <u>-3.23</u> 0.00	0.00468 -0.00305 <u>-0.00163</u> 0.00000
Lakin, Kendall R. ¹ (See Covell, et al.)	--	--
Landeros, John	0.75	0.00038
La Grande Source Water Company (Transferred to Suburban Water Systems) ³	0.00	0.00000
Lang, Frank (Transferred to San Dimas-La Verne Recreational Facilities Authority) ³	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
La Puente Cooperative Water Co. (Transferred to Suburban Water Systems) ³	0.00	0.00000
La Puente Valley County Water District (Successor to El Encanto Properties) ²	1,097.00 <u>33.40</u> 1,130.40	0.55507 <u>0.01690</u> 0.57197
La Verne, City of (Successor to Fruit Street Water Co.) ² (Transferred to Covina Irrigating Co.) ²	250.00 105.71 <u>-355.71</u> 0.00	0.12650 0.05349 <u>-0.17999</u> 0.00000
Lee, Paul M. and Ruth A.; Nasmyth, Virginia; Nasmyth, John¹	0.00	0.00000
Little John Dairy	0.00	0.00000
Livingston-Graham, Inc. (Transferred to Hanson Aggregates West, Inc.) ²	1,824.40 <u>-1,824.40</u> 0.00	0.92312 <u>-0.92312</u> 0.00000
Los Flores Mutual Water Company (Transferred to City of Monterey Park) ²	26.60 <u>-26.60</u> 0.00	0.01346 <u>-0.01346</u> 0.00000
Loucks, David	3.00	0.00152
Lovelady, June G., Trustee¹ (Successor to White, June G., Trustee of the June G. White Share of the Garnier Trust) ² (Transferred to The Kathryn W. Baker Trust) ²	185.50 <u>-185.50</u> 0.00	0.09386 <u>-0.09386</u> 0.00000
Loyola Marymount University¹ (Successor to George A.V. Dunning Trust) ² (Transferred to City of Glendora) ²	324.00 <u>-324.00</u> 0.00	0.16394 <u>-0.16394</u> 0.00000
Maggiore Family Trust, The¹ (Successor to Maggiore, Valarie) ²	145.83	0.07379
Maggiore, Valarie¹ (Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffrey) ² (Transferred to Maggiore Family Trust, The) ²	145.83 <u>-145.83</u> 0.00	0.07379 <u>-0.07379</u> 0.00000
Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery¹ (Successor to Kirklen Family Trust) ² (Transferred to: (Maggiore, Valarie;	437.50 -145.83	0.22136 -0.07379

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Kirklen, Jeffrey; Fox Family Trust, Michael Edward Fox and Crystal Marie Fox, Trustees) ²	-145.84 <u>-145.83</u> 0.00	-0.07379 <u>-0.07378</u> 0.00000
Manning Bros. Rock & Sand Co. (Transferred to Conrock Company) ²	328.00 <u>-328.00</u> 0.00	0.16596 <u>-0.16596</u> 0.00000
Maple Water Company (Transferred to Southwest Water Co.) ²	118.50 <u>-118.50</u> 0.00	0.05996 <u>-0.05996</u> 0.00000
Martinez, Frances Mercy (Held in common with Martinez, Jaime)	0.75	0.00038
Martinez, Jaime (See Martinez, Frances Mercy)	--	--
Massey-Ferguson Company	0.00	0.00000
McIntyre, William¹ (Successor to West Covina Venture, Ltd.) ² (Transferred to Canyon Water Company) ²	30.00 <u>-1.00</u> 29.00	0.01518 <u>-0.00051</u> 0.01467
Miller Brewing Company (Successor to: Maechtlen, Estate of J.J. Phillips, Alice B., et al. South Covina Water Service Woodland Farms Woodland, Richard) ² (Transferred to Miller Breweries West, L.P.) ²	111.01 151.50 50.00 300.00 919.50 840.50 <u>-2,372.51</u> 0.00	0.05617 0.07666 0.02530 0.15180 0.46526 0.42528 <u>-1.20047</u> 0.00000
Miller Breweries West, L.P.¹ (Successor to Miller Brewing Company) ² (Transferred to MillerCoors LLC) ²	2,372.51 <u>-2,372.51</u> 0.00	1.20047 <u>-1.20047</u> 0.00000
MillerCoors LLC¹ (Successor to Miller Breweries West, L.P.) ²	2,372.51	1.20047
Mission Gardens Mutual Water Company (Transferred to Gifford, Brooks, Jr.) ²	96.96 <u>-96.96</u> 0.00	0.04906 <u>-0.04906</u> 0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Modern Accent Corporation		
(Successor to Crocker National Bank, Executor of the Estate of A. V. Handorf) ³	256.86	0.12997
(Transferred to California Domestic Water Co.) ²	<u>-256.86</u>	<u>-0.12997</u>
	0.00	0.00000
Monterey Park, City of	6,677.48	3.37870
(Successor to Los Flores Mutual Water Co.) ²	<u>26.60</u>	<u>0.01346</u>
	6,704.08	3.39216
Moon Valley Nursery of California, Inc¹	--	--
Munoz, Ralph¹	--	--
Murphy Ranch Mutual Water Company	223.23	0.11295
(Transferred to Southwest Suburban Water) ²	<u>-223.23</u>	<u>-0.11295</u>
	0.00	0.00000
Namimatsu Farms	196.00	0.09917
(Transferred to California Cities Water Co.) ²	<u>-196.00</u>	<u>-0.09917</u>
	0.00	0.00000
NCL Co., LLC¹		
(Successor to Vulcan Materials Company) ²	<u>1.00</u>	<u>0.00050</u>
	1.00	0.00050
Nick Tomovich & Sons	0.02	0.00001
Nicholson Trust¹		
(Successor to Beverly Acres Mutual Water Users Association) ²	43.00	0.02176
(Transferred to: Nicholson Family Trust	-7.00	-0.00354
Nicholson Trust, Helene S.	-12.00	-0.00607
Nicholson Family Trust) ²	<u>-24.00</u>	<u>-0.01215</u>
	0.00	0.00000
Nicholson Family Trust¹		
(Successor to: Nicholson Trust	7.00	0.00354
Nicholson Trust) ²	<u>24.00</u>	<u>0.01215</u>
	31.00	0.01569
Nicholson Trust, Helene S.¹		
(Successor to Nicholson Trust) ²	12.00	0.00607
(Transferred to San Gabriel Valley Water Co.) ²	<u>-12.00</u>	<u>-0.00607</u>
	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Nila, Mimi; Successor Trustee of the Lillian Goedert Living Trust¹		
(Successor to Goedert, Lillian E.) ²	2.26	0.00114
(Transferred to San Gabriel Valley Water Company) ²	<u>-2.26</u>	<u>-0.00114</u>
	0.00	0.00000
New Owl Rock Products¹		
(Successor to Owl Rock Products Co.) ²	715.60	0.36208
(Transferred to Robertson's Ready Mix, Ltd.) ²	<u>-715.60</u>	<u>-0.36208</u>
	0.00	0.00000
No. 17 Walnut Place Mutual Water Co.	21.50	0.01088
(Transferred to San Gabriel Valley Water Co.) ²	<u>-21.50</u>	<u>-0.01088</u>
	0.00	0.00000
Orange Production Credit Association¹	0.00	0.00000
Owl Rock Products Co.	715.60	0.36208
(Transferred to New Owl Rock Products) ²	<u>-715.60</u>	<u>-0.36208</u>
	0.00	0.00000
Pacific Rock & Gravel Co.	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) ²	0.00	0.00000
Park Water Company	184.01	0.09311
(Transferred to Valley County Water District) ²	<u>-184.01</u>	<u>-0.09311</u>
	0.00	0.00000
Parton Family Trust¹	46.20	0.02338
(Formerly Via, H., Trust of) ²		
(Transferred to San Gabriel Valley Water Company) ²	<u>-46.20</u>	<u>-0.02338</u>
	0.00	0.00000
Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of¹		
(Successor to Faix, Ltd) ²	<u>6,490.00</u>	<u>3.28384</u>
	6,490.00	3.28384
Penn, Margaret¹	--	--
(See Polopolus, et al.)		
Pico County Water District	0.75	0.00038
Polopolus, John¹	--	--
(See Polopolus, et al.)		
Polopolus, et al.¹		
(Successor to Polopolus, Steve) ²	22.50	0.01138
(Held in common with Chronis, Christine; Jerris, Helen; Penn, Margaret; Polopolus, John)		
(Transferred to California Domestic Water Company) ²	<u>-22.50</u>	<u>-0.01138</u>
	0.00	0.00

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Polopolus, Steve (Transferred to Polopolus, et al.) ²	22.50 <u>-22.50</u> 0.00	0.01138 <u>-0.01138</u> 0.00000
Progressive Buddhist Association, The ¹	0.00	0.00000
Rados, Alexander (Held in common with Rados, Stephen and Rados, Walter)	43.00	0.02176
Rados, Stephen (See Rados, Alexander)	--	--
Rados, Walter (See Rados, Alexander)	--	--
Rana Living Trust, Jeanne (Successor to Brondino, Jeanne) ²	<u>25.08</u> 25.08	<u>0.01269</u> 0.01269
Richwood Mutual Water Company (Transferred to San Gabriel Valley Water Company) ²	192.60 <u>-192.60</u> 0.00	0.09745 <u>-0.09745</u> 0.00000
Rincon Ditch Company (Transferred to Workman Mill Investment Company) ²	628.00 <u>-628.00</u> 0.00	0.31776 <u>-0.31776</u> 0.00000
Rincon Irrigation Company (Transferred to Workman Mill Investment Company) ²	314.00 <u>-314.00</u> 0.00	0.15888 <u>-0.15888</u> 0.00000
Rio Hondo Memorial Foundation, The ¹ (Formerly Rose Hills Foundation, The) (See Rose Hills Foundation, The)	--	--
Rittenhouse, Catherine (Transferred to Covell, Ralph) ³	0.00	0.00000
Rittenhouse, James (Transferred to Covell, Ralph) ³	0.00	0.00000
Robertson's Ready Mix, Ltd. ¹ (Successor to New Owl Rock Products) ² (Transferred to San Gabriel County Water District) ²	715.60 <u>-715.60</u> 0.00	0.36208 <u>-0.36208</u> 0.00000
Rosedale, Lucy A. & Harry Edwin III, Trustees of the Harry E. Rosedale Trust dated May 24, 1985 ¹	0.00	0.00000

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Rose Hills Memorial Park Association (See Rose Hills Foundation, The)	--	--
Rose Hills Foundation, The ¹ (Formerly Rose Hills Memorial Park Association) (See Rio Hondo Memorial Foundation, The) (Formerly Rio Hondo Memorial Foundation, The) (Successor to Pacific Rock & Gravel Co.) ² (Transferred to: Workman Mill Investment Co. Workman Mill Investment Co.) ²	594.00 200.00 -594.00 <u>-200.00</u> 0.00	0.30055 0.10120 -0.30055 <u>-0.10120</u> 0.00000
Rosemead Development, Ltd. ¹ (Successor to Thompson, Earl W.) ²	<u>1.00</u> 1.00	<u>0.00051</u> 0.00051
Rurban Homes Mutual Water Company	217.76	0.11018
Ruth, Roy	0.75	0.00038
San Dimas Golf Inc. DBA Via Verde County Club ¹	0.00	0.00000
San Dimas-La Verne Recreational Facilities Authority (Successor to Lang, Frank) ³ (Transferred to Kirklen, Dawn L. and William R.) ²	62.50 <u>-62.50</u> 0.00	0.03162 <u>-0.03162</u> 0.00000
San Gabriel Country Club	286.10	0.14476
San Gabriel County Water District (Successor to: Hughes Development Corporation Hughes Development Corporation Robertson's Ready Mix, Ltd.) ²	4,250.00 400.00 30.20 <u>715.60</u> 5,395.80	2.15044 0.20239 0.01528 <u>0.36208</u> 2.73019
San Gabriel Valley Municipal Water District	0.00	0.00000
San Gabriel Valley Water Company (Successor to: Vallecito Water Co. No. 17 Walnut Place Mutual Water Co. Cedar Avenue Mutual Water Company Beverly Acres Mutual Water Users Association Richwood Mutual Water Company Nicholson Trust, Helene S. Durfee Property, LLC	16,659.00 2,867.00 21.50 121.10 50.00 192.60 12.00 50.00	8.42920 1.45066 0.01088 0.06127 0.02530 0.09745 0.00607 0.02530

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
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	2.26	0.00114
Bandel Family Trust ²	<u>16.70</u>	<u>0.00845</u>
	20,400.49	10.32233
Sawpit Farms, Limited	173.00	0.08754
(Transferred to:		
Eckis, Rolin	-123.00	-0.06224
Doyle and Madruga) ²	<u>-50.00</u>	<u>-0.02530</u>
	0.00	0.00000
Schneiderman, Alan	--	--
(See Birenbaum, Max)		
Schneiderman, Lydia	--	--
(See Birenbaum, Max)		
Security Pacific National Bank, Co-trustee for the Estate of Winston F. Stoodly	38.70	0.01958
(See Stoodly, Virginia A.)		
(Transferred to City of Whittier) ²	<u>-38.70</u>	<u>-0.01958</u>
	0.00	0.00000
Sierra La Verne Country Club¹	0.00	0.00000
Sierra Madre, City of	0.00	0.00000
Sloan Ranches	129.60	0.06558
(Transferred to Cadway, Inc.) ²	<u>-129.60</u>	<u>-0.06558</u>
	0.00	0.00000
Smith, Charles³	0.00	0.00000
Snyder, Esther¹		
(Successor to Covell, et al) ²	18.51	0.00937
(Transferred to Azusa Associates, LLC) ²	<u>-18.51</u>	<u>-0.00937</u>
	0.00	0.00000
Snyder, Harry	--	--
(See Covell, et al.)		
Sonoco Products Company	311.60	0.15766

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
South Covina Water Service	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) ²	<u>-203.00</u>	<u>-0.10272</u>
	0.00	0.00000
Southdown, Inc.¹	--	--
(Formerly AZ-Two, Inc.)		
(See CEMEX California Aggregates, Inc.)		
Southern California Edison Company	155.25	0.07855
(Successor to Associated		
Southern Investment Company) ²	<u>16.50</u>	<u>0.00835</u>
	171.75	0.08690
Southern California Water Company,	--	--
San Gabriel Valley District		
(See Golden State Water Company, San Gabriel Valley District)		
South Pasadena, City of	3,567.70	1.80520
Southwest Suburban Water	--	--
(See Suburban Water Systems)		
Southwest Water Company¹		
(Successor to Maple Water Company) ²	<u>118.50</u>	<u>0.05996</u>
	118.50	0.05996
Southwestern Portland Cement Company¹		
(Successor to Azusa Western, Inc.) ²	742.00	0.37544
(Transferred to American Sheds, Inc.) ²	<u>-742.00</u>	<u>-0.37544</u>
	0.00	0.00000
Speedway 605, Inc.¹	0.00	0.00000
Standard Oil Company of California	--	--
(See Chevron U.S.A.)		
Sterling Mutual Water Company	120.00	0.06072
Stoody, Virginia A., Co-trustee for the	--	--
Stoody, Winston F., Estate of	--	--
(See Security Pacific National Bank, Co-trustee)		

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Tran, Hieu¹	--	--
Tyler Nursery	3.21	0.00162
United Concrete Pipe Corporation	376.00	0.19025
(Transferred to Irwindale, City of) ²	<u>-376.00</u>	<u>-0.19025</u>
	0.00	0.00000
United Rock Products Corporation¹		
(Successor to:		
Sully Miller Contracting Company) ²	909.56	0.46022
(Transferred to California Domestic Water Company) ²	<u>-450.00</u>	<u>-0.22769</u>
	459.56	0.23253
Usrey, William B.¹	--	--
USA Waste of California, Inc.¹		
(Successor to American Sheds, Inc.) ²	742.00	0.37544
(Transferred to Aqua Capital Management LP) ²	<u>-742.00</u>	<u>-0.37544</u>
	0.00	0.00000
U.S. Pipe & Foundry Company¹	--	--
(See United Concrete Pipe Corporation)		
Valencia Heights Water Company	861.00	0.43565
(Successor to Crown City Plating Company) ²	<u>200.00</u>	<u>0.10120</u>
	1,061.00	0.53685
Valencia Valley Water Company	0.00	0.00000
(Transferred to Suburban Water Systems) ³		
Vallecito Water Company	2,867.00	1.45066
(Transferred to San Gabriel Valley Water Company) ²	<u>-2,867.00</u>	<u>-1.45066</u>
	0.00	0.00000
Valley County Water District	5,775.00	2.92206
(Formerly Baldwin Park County Water District)		
(Successor to Park Water Company) ²	<u>184.01</u>	<u>0.09311</u>
	5,959.01	3.01517
Valley Crating Company	0.00	0.00000
Valley View Mutual Water Company	616.00	0.31169
Via, H.	--	--
(See Via, H., Trust of)		

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Via, H., Trust of (Formerly Via, H.) (See Parton Family Trust)	--	--
Victoria Mutual Water Company (Transferred to Suburban Water Systems) ³	0.00	0.00000
Vietnamese American Buddhist Temple Congregation¹	0.00	0.00000
Vulcan Materials Company (Formerly CalMat) (Successor to Manning Bros. Rock & Sand Co.) ² (Transferred to NCL Co., LLC) ²	1,793.35 <u>-1.00</u> 1,792.35	0.90740 <u>-0.00050</u> 0.90690
Wade, R. (Transferred to Hunter, Lloyd F.) ²	4.40 <u>-4.40</u> 0.00	0.00223 <u>-0.00223</u> 0.00000
Ward Duck Company (See Woodland Farms, Inc.)	--	--
Warren, Clyde (See Fisher, Russell)	--	--
W. E. Hall Company (Transferred to City of El Monte) ²	0.20 <u>-0.20</u> 0.00	0.00010 <u>-0.00010</u> 0.00000
West Covina Venture, Ltd.¹ (Successor to Kiyan Farms) ² (Transferred to McIntyre, William) ²	30.00 <u>-30.00</u> 0.00	0.01518 <u>-0.01518</u> 0.00000
White, June G., Trustee of the June G. White Share of the Garnier Trust¹ (Successor to Denton, Kathryn W., Trustee for the San Jose Ranch Company) ² (Transferred to Lovelady, June G., Trustee) ²	185.50 <u>-185.50</u> 0.00	0.09386 <u>-0.09386</u> 0.00000
Whittier, City of (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) ²	7,620.23 184.00 208.00 38.70 16.20 198.25 <u>6.00</u> 8,271.38	3.85572 0.09310 0.10524 0.01958 0.00820 0.10031 <u>0.00304</u> 4.18519

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
Wigodsky, Bernard (See Birenbaum, Max)	--	--
Wigodsky, Estera (See Birenbaum, Max)	--	--
Wilmott, Erma M. (Formerly Comby, Erma M.)	0.75	0.00038
Wilson, Harold R. (See Grizzle, Lissa B.)	--	--
Wilson, Sarah C. (See Grizzle, Lissa B.)	--	--
Woodland Farms, Inc. (See 6W Farms, Inc.) (Formerly Ward Duck Company)	--	--
Woodland, Frederick G.¹	--	--
Woodland, Richard¹ (Successor to Bahnsen & Beckman Ind., Inc.) ² (Transferred to Miller Brewing Company) ² (Successor to 6W Farms, Inc.) ² (Transferred to Aqua Capital Management LP) ²	840.50 -840.50 297.90 <u>-297.90</u> 0.00	0.42528 -0.42528 0.15073 <u>-0.15073</u> 0.00000
Workman Mill Investment Company¹ (Successor to: Rincon Ditch Company Rincon Irrigation Company Rose Hills Memorial Park Association Rose Hills Foundation, The) ²	628.00 314.00 594.00 <u>200.00</u> 1,736.00	0.31776 0.15888 0.30055 <u>0.10120</u> 0.87839
Wright, Darrell A., Wright, Merle M. & Carlson, Jeanne W.¹ (Successor to Burbank Development Co.) ² (Transferred to San Gabriel Valley Water Company) ²	50.65 <u>-50.65</u> 0.00	0.02563 <u>-0.02563</u> 0.00000
Totals for Exhibit "D"	151,113.64	76.46119
Totals for Exhibit "E"	46,520.79	23.53881
GRAND TOTALS	<u>197,634.43</u>	<u>100.00000</u>

APPENDIX L

**EXHIBIT "E" OF JUDGMENT
TABLE SHOWING PRODUCTION
RIGHT OF EACH INTEGRATED PRODUCER
AS OF JUNE 30, 2019**

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
Aqua Capital Management LP¹			
(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) ²	14.00	0.00	0.00000
(Transferred to:			
California Domestic Water Company) ²	<u>-201.00</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
Azusa, City of	0.00	3,655.99	1.84988
(Successor to Monrovia Nursery Company) ²	363.00	0.00	0.00000
(Transferred to Azusa Valley Water Company) ²	<u>0.00</u>	<u>-3,359.79</u>	<u>-1.70000</u>
	363.00	296.20	0.14988
Azusa Agricultural Water Company	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) ²	<u>-170.00</u>	<u>-294.47</u>	<u>-0.14900</u>
	0.00	0.00	0.00000
Azusa Foot-Hill Citrus Company	718.50	0.00	0.00000
(Transferred to Monrovia Nursery Company) ²	<u>-718.50</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
Azusa Valley Water Company	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) ²	<u>0.00</u>	<u>3,359.79</u>	<u>1.70000</u>
	3,422.00	13,365.99	6.76299
Brierly, Susan K.¹			
(Successor to Monrovia Nursery Company) ²	24.00	0.00	0.00000
(Transferred to:			
Miles R. Rosedale	-8.00	0.00	0.00000
Aqua Capital Management) ²	<u>-16.00</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
California-American Water Company	1,672.00	3,649.00	1.84634
(Duarte System)			

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
California Cities Water Company (See Southern California Water Company, San Dimas District)	--	--	--
California Domestic Water Company (Successor to Aqua Capital Management LP) ² (Transferred to Covina Irrigating Company) ²	201.00 <u>-201.00</u> 0.00	--	--
Covina Irrigating Company (Successor to: City of Covina City of Covina Taylor Herb Garden La Verne, City of Davidson Optronics, Inc. Goedert, Lillian Lakin, Kelly R. Hunter, Lloyd F. Lakin, Kelly R. California Domestic Water Company) ² (Transferred to: California Domestic Water Company) ²	2,514.00 203.12 <u>2,717.12</u>	4,140.00 1,734.00 300.00 6.00 355.71 22.00 7.00 6.03 4.40 3.23 <u>-203.12</u> 6,375.25	2.09478 0.87737 0.15179 0.00304 0.17999 0.01113 0.00354 0.00305 0.00223 0.00163 <u>-0.10278</u> 3.22577
CV Glendora 3 Site, LLC (See CV Santa Rosa Investments, LLC)	--	--	--
CV Santa Rosa Investments, LLC¹ (Formerly CV Glendora 3 Site, LLC) (Successor to: Rosedale, Miles R. Monrovia Nursery Company) ² (Transferred to: City of Glendora City of Glendora) ²	184.00 10.00 -116.00 <u>-78.00</u> 0.00	0.00 0.00 0.00 <u>0.00</u> 0.00	0.00000 0.00000 0.00000 <u>0.00000</u> 0.00000
DeFalco, John and Carole¹ (Successor to Nickowitz, at al.) ²	<u>1.49</u> 1.49	<u>0.00</u> 0.00	<u>0.00000</u> 0.00000
Glendora, City of (Successor to: Maechtlen, Estate of J. J. Maechtlen, Trust of P. A. Ruebhausen, Arline Glendora Unified High School District)	17.00 18.34	8,258.00 150.00 50.00 99.00	4.17842 0.07590 0.02530 0.05009

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
Loyola Marymount University		324.00	0.16394
Clayton Manufacturing Company		511.80	0.25896
CV Glendora 3 Site, LLC	116.00		
CV Santa Rosa Investments, LLC) ²	<u>78.00</u>		
	229.34	9,392.80	4.75261
Golden State Water Company, San Dimas District¹	500.00	3,242.53	1.64067
(Formerly California Cities Water Company)			
(Successor to Namimatsu Farms) ²		<u>196.00</u>	<u>0.09917</u>
	500.00	3,438.53	1.73984
JUH#1¹			
(Successor to Monrovia Nursery Company) ²	48.00	0.00	0.00000
(Transferred to Miles R. Rosedale) ²	<u>-16.00</u>		
	32.00	0.00	0.00000
Los Angeles, County of	310.00	3,721.30	1.88292
Maechtlen, Estate of J. J., Trustee for the Estate of P.A. Maechtlen	0.00	301.50	0.15256
(Transferred to:			
City of Glendora		-150.00	-0.07590
Miller Brewing Company) ²		<u>-151.50</u>	<u>-0.07666</u>
	0.00	0.00	0.00000
Maechtlen, Trust of J. J.¹	1.49	0.00	0.00000
(Transferred to Otting, David;	-1.49	0.00	0.00000
Otting, Larry; and Webster, Scott) ²			
(Successor to Otting, David;	1.49	0.00	0.00000
Otting, Larry; and Webster, Scott) ²			
(Transferred to Nikowitz, et al) ²	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
Maechtlen, Trust of P. A.¹	0.50	100.50	0.05085
(Transferred to:			
City of Glendora		-50.00	-0.02530
Alice B. Phillips, et al.) ²	<u>-0.50</u>	<u>-50.50</u>	<u>-0.02555</u>
	0.00	0.00	0.00000
The Metropolitan Water District of of Southern California	9.59	165.00	0.08349
Monrovia, City of	1,098.00	5,042.22	2.55129
(Successor to:			
Eckis, Rollin		123.00	0.06224
City of Arcadia) ²		<u>951.00</u>	<u>0.48119</u>
	1,098.00	6,116.22	3.09472

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
Monrovia Nursery Company	239.50	0.00	0.00000
(Successor to Azusa Foothill Citrus Company) ²	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) ²	<u>-24.00</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
Nikowitz, et al¹			
(Successor to Maechtlen, Trust of J. J.) ²	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) ²	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
Otting, David; Otting, Larry; and Webster, Scott¹			
(Successor to Maechtlen, Trust of J. J.) ²	1.49	0.00	0.00000
(Transferred to Maechtlen, Trust of J. J.) ²	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
Phillips, Alice B., et al.¹			
(Successor to Maechtlen, Trust of P. A.) ²	0.50	50.50	0.02555
(Transferred to Miller Brewing Co.) ²	<u> </u>	<u>-50.00</u>	<u>-0.02530</u>
	0.50	0.50	0.00025
Rosedale Jr., Harry E.¹			
(Successor to Monrovia Nursery Company) ²	168.00	0.00	0.00000
(Transferred to Rosedale, Lucy A. and Harry Edwin III, Trustees of the Harry E. Rosedale Trust) ²	<u>-168.00</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
Rosedale, Lance¹			
(Successor to Monrovia Nursery Company) ²	32.00	0.00	0.00000
(Transferred to:			
Rosedale, Miles R.	-10.00	0.00	0.00000
Aqua Capital Management LP) ²	<u>-22.00</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
Rosedale, Lucy A. and Harry Edwin III, Trustees of the Harry E. Rosedale Trust¹			
(Successor to Rosedale Jr., Harry E.) ²	168.00	0.00	0.00000

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
Rosedale, Miles R.¹			
(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) ²	10.00	0.00	0.00000
(Transferred to:			
CV Glendora 3 Site, LLC	-184.00	0.00	0.00000
Aqua Capital Management LP) ²	<u>-125.00</u>	<u>0.00</u>	<u>0.00000</u>
	0.00	0.00	0.00000
VanLandingham, Richard¹			
(Successor to Monrovia Nursery Company) ²	21.00	0.00	0.00000
(Transferred to:			
Rosedale, Miles R.	-7.00	0.00	0.00000
Aqua Capital Management LP) ²	<u>-14.00</u>	<u>0.00</u>	<u>0.00000</u>
	<u>0.00</u>	<u>0.00</u>	<u>0.00000</u>
TOTAL	10,523.04	46,520.79	23.53881

APPENDIX L

**EXHIBIT "K" OF JUDGMENT
CONSUMPTIVE USE PORTIONS
OF PRODUCERS WITH
OVERLYING RIGHTS
AS OF JUNE 30, 2019**

OVERLYING PRODUCER	CONSUMPTIVE USE PORTION (ACRE FEET)
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1. Mnoian-Gifford Interests

Owner Producers

Paul Mnoian ¹	
Brooks Gifford, Sr. ¹	
Brooks Gifford, Jr. ¹	
John Mgrdichian ¹	
J. Earl Garrett ¹	
Present User: Nu-Way Industries	3.5

Producers Under License

William C. Thomas ¹	
Evelyn F. Thomas ¹	
Malcolm K. Gatherer ¹	
Jacqueline Gatherer ¹	
Present User: B & B Red-I-Mix Concrete, Inc.	45.6
Pre-Stress Crane Rigging and Truck, Co., Inc. ¹	<u>1.0</u>
	50.1

<u>2. Attalla, Phillip Y. and Mary L.¹</u>	29.9
--	-------------

<u>3. Citrus Valley Medical Center, Queen of the Valley Campus.¹</u> (Formerly Queen of the Valley Hospital. ¹)	4.5
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<u>4. S.L.S & N. Inc.¹</u>	--
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TOTAL	84.5
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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 ACTIVE PARTIES AND THEIR DESIGNEES

APPENDIX M

LIST OF ACTIVE PARTIES AND THEIR DESIGNEES
June 30, 2019

ACTIVE PARTY	DESIGNEE
Alhambra, City of	Martin Ray
Amarillo Mutual Water Company	Ernest Martinez
Andrade, Susan	Susan Andrade
Arcadia, City of	Tom Tait
Arcadia Reclamation, Inc.	Robert Bowcock
Azusa, City of	Jared Macias
Azusa Valley Water Company	Jared Macias
Baker Trust, The Kathryn W.	Kathryn W. Baker
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.	Lynda Noriega
California-American Water Company (Duarte System)	Tim Miller
California-American Water Company (San Marino System)	Tim Miller
California Domestic Water Company	Lynda Noriega
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
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	Salvador Mendez
El Monte Cemetery Association	Garry Hofer
Fox Family Trust Michael Edward Fox and Crystal Marie Fox, Trustees	Michael and Crystal Fox

APPENDIX M

LIST OF ACTIVE PARTIES AND THEIR DESIGNEES
June 30, 2019

ACTIVE PARTY	DESIGNEE
Garnier Family Trust, Anton C. and Anita	Anton C. and Anita Garnier
Garnier, Ruth Elaine Ailor Trust	Renee Garnier Poivre
Gates, James Richard	James Richard Gates
Glendora, City of	Steve Patton
Golden State Water Company - San Dimas District	Patrick Scanlon
Golden State Water Company - San Gabriel Valley District	Benjamin Lewis, Jr.
Green, Walter	James M. Byerrum
Hanson Aggregates West, Inc.	Michael Rogers
Heinrich, Carolyn	Carolyn Heinrich
Hemlock Mutual Water Company	Blanca E. Becerra
Industry Waterworks Systems, City of Irwindale, City of	Gregory B. Galindo William Tam
JUH #1	Reiner Kruger
Kirklen, Jeffery B.	Jeffery B. Kirklen
Knight, William J., Living Trust	Alison M. Timboe
Landeros, John	John Landeros
La Puente Valley County Water District	Gregory B. Galindo
Los Angeles, County of	Maria L. Rubio
Loucks, David	David Loucks
Maggiore Family Trust, The	Valarie Maggiore
McIntyre, William	William McIntyre
Metropolitan Water District of Southern California	Laurie Hardy-Jenkins
Miller Coors LLC	John Van Nelson
Monrovia, City of	Tina Cherry
Monterey Park, City of	Ron Bow
Moon Valley Nursery of California, Inc.	Eugene Ruiz
Munoz, Ralph E.	Ralph E. Munoz IV
NCL Co, LLC	Robert Bowcock
Nicholson Trust, The	M. L. Whitehead
Nicholson Family Trust, The	M. L. Whitehead
Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of	Lynda Noriega
Pico County Water District	Mark Grajeda
Polopolus, et. al	Helen Gaskins
Progressive Buddhist Association, The	Sai A. Myint

APPENDIX M

LIST OF ACTIVE PARTIES AND THEIR DESIGNEES
June 30, 2019

ACTIVE PARTY	DESIGNEE
Rados Brothers	Les Brown
Rana, Jeanne, Living Trust	Jeanne Rana
Rosedale, Lucy and Harry Edwin III, Trustees of the Harry E. Rosedale Trust	Lucy A. Rosdale
Rosemead Development LTD.	John W Lloyd
Rurban Homes Mutual Water Company	Michael Cox
Ruth, Roy	Roy Ruth
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	Anteneh Tesfaye
Southern California Edison Company	Erika Clement
Southwest Water Company	Richard Rich
Sterling Mutual Water Company	Cynthia Peña
Suburban Water Systems	Craig Gott
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	Matthew H. Litchfield
Tomovich, Nick and Sons	Nick Tomovich
Tran, Hieu	Hieu Tran
Tyler Nursery	Fumiko Kishi
United Rock Products Corporation	Ken Barker
Upper San Gabriel Valley Municipal Water District	Steven P. O'Neill
Usrey, William B.	William B. Usrey
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, 2019

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	December 6, 2017	0288-DW-120617
0289	San Gabriel Valley Water Company	Destroy Well	1C	March 7, 2018	0289-DW-030718
0290	Suburban Water Systems	Destroy Well	147 W-3	February 7, 2018	0290-DW-020718
0291	San Gabriel Valley Water Company	Destroy Well	8A	February 7, 2018	0291-DW-020718
0292	Murex Environmental, Inc.	Destroy Well	Crown City Plating Well	Withdrawn	--
0293	California Domestic Water Company	New Well	2A	October 3, 2018	0293-NW-100318
0294	Golden State Water Company	New Well	Baseline 5	June 5, 2019	0294-NW-060519
0295	California Domestic Water Company	Destroy Well	2	October 3, 2018	0295-DW-100318
0296	Golden State Water Company	Destroy Well	Baseline 4	June 5, 2019	0296-DW-060519
0297	Golden State Water Company	Destroy Well	Columbia 6	June 5, 2019	0297-DW-060519
0298	City of Covina	Destroy Well	1	Pending	--
0299	City of Covina	Destroy Well	2	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, 2019

Operable Unit			Total Water Treated		Total Contaminants Removed	
Treatment Facility Owner	Treatment Facility(s)	Start Date 1/	Fiscal Year 2018-19 (Acre-feet)	Accum. Total (Acre-feet)	Fiscal Year 2018-19 (Pounds)	Accum. Total (Pounds)
AREA 3						
ALHAMBRA, CITY OF	Well No. 7	July 2001	—	7,582.35	—	130.1
	Well No. 7, 8, 11 & 12	April 2009	1,305.00	27,050.80	57.4	913.4
BPOU						
CALIFORNIA DOMESTIC WATER COMPANY	Well No. 3, Well No. 5A Well No. 6, & Well No. 10	September 1993 April 1997	13,842.54	369,503.64	1,141.6	18,559.8
LA PUENTE VALLEY COUNTY WATER DISTRICT	Well No. 2, 3 & 4 Well No. 2, 3 & 5 (BPOU)	August 1992 January 2000	— 3,663.58	11,493.13 63,882.11	— 383.4	826.9 11,550.0
SAN GABRIEL VALLEY WATER COMPANY	Well B6C 2/ Well B6D 2/ Plant B5 (BPOU) Plant B6 (BPOU)	April 1994 April 1994 January 2007 September 2004	— — 9,455.07 10,753.23	5,194.17 14,526.27 124,401.18 123,177.47	— — 327.4 2,360.4	856.2 421.7 5,024.2 24,964.3
VALLEY COUNTY WATER DISTRICT	Lante Lante, SA1-1 & SA1-2 (BPOU)	June 1984 December 2004	— 1,963.94	7,719.61 77,414.27	— 438.9	10,356.7 42,820.1
EMOU						
ADAMS RANCH MUTUAL WATER COMPANY	Well No. 3 2/	November 2003	—	881.58	—	32.7
EL MONTE, CITY OF	Well No. 14, 15 & 16 3/	January 2019	1,073.56	3,123.17	63.8	158.6
GOULD AND JOHNSON CONTROLS	EMOU (Shallow Zone)	October 2015	14.53	127.93	1.3	24.6
GOLDEN STATE WATER COMPANY (SGV)	Encinita No. 1, 2 & 3	April 1998	1,783.25	29,953.01	38.5	708.6
HERMETIC SEAL CORPORATION	Hermetic Seal	May 2012	51.55	405.88	5.7	38.0
PVOU						
BDP - CARRIER	Carrier	April 1988	18.38	6,789.57	1.3	2,843.1
SEMOU						
MONTEREY PARK, CITY OF	Well No. 5 Well No. 9 & 12, 15	September 1999 April 2002	432.74 5,842.54	18,673.91 84,394.66	18.4 905.3	1,357.1 14,218.2
SAN GABRIEL VALLEY WATER COMPANY	Well 8B, 8C, 8D & 8E	August 2002	2,012.56	46,524.37	446.9	7,107.3
GOLDEN STATE WATER COMPANY (SGV)	San Gabriel No.1 & 2	November 2001	1,628.75	22,792.38	43.3	658.6
WNOU						
EPA	WNOU (Shallow Zone) 2/	December 1999	—	30,065.52	—	1,618.9
SAN GABRIEL VALLEY WATER COMPANY	WNOU (Intermediate Zone) 4/	December 2005	3,518.96	55,539.05	26.9	1,825.0
PRODUCER FACILITY						
ARCADIA, CITY OF	Longden 1 & 2	January 1985	409.14	70,652.02	10.7	750.7
BOZUNG	Well B36, F38, F39 & BC34 5/	October 1994	—	233.00	—	131.3
EL MONTE, CITY OF	Well No. 12 Well No. 10 2/ Well No. 2A	February 1997 May 2004 July 1999	323.63 — 645.65	16,377.93 6,380.82 11,032.22	78.8 — 7.1	1,161.6 43.4 154.7
EPA	Richwood (North Well) 6/ Richwood (South Well) 6/	April 1990 April 1990	— —	451.98 —	— —	5.8 —

Operable Unit			Total Water Treated		Total Contaminants Removed	
Treatment Facility Owner			Fiscal Year 2018-19 (Acre-feet)	Accum. Total (Acre-feet)	Fiscal Year 2018-19 (Pounds)	Accum. Total (Pounds)
PRODUCER FACILITY						
GOLDEN STATE WATER COMPANY (SD)	Art 2 & 3, Base 3 & 4, Hwy 1	May 2005	69.21	19,551.47	1.4	366.5
GOLDEN STATE WATER COMPANY (SGV)	Garvey No. 3	June 2016	507.26	1,786.51	4.5	15.1
HEMLOCK MUTUAL WATER COMPANY	Hemlock (North Well) 2/ Hemlock (South Well) 2/	April 1986 April 1986	—	2,553.65	—	44.6
MONROVIA, CITY OF	Wells No. 2 & 6	March 1996	2,240.58	49,757.94	57.1	1,010.0
	Wells No. 3, 4 & 5	October 2007	2,295.77	21,953.16	19.4	202.2
MONTEREY PARK, CITY OF	Well No. 1, 3, 10 & Fern	June 2004	1,240.83	29,866.72	24.5	1,725.1
SAN GABRIEL VALLEY WATER COMPANY	Well 11B	March 1991	228.21	45,125.59	0.4	320.1
	Well B11B	March 1993	1,267.17	49,717.50	78.8	3,313.8
	Well B7C 7/	March 1993	—	46,711.28	—	1,824.2
	Well B4B & B4C	January 1999	—	24,093.04	—	1,233.5
	Well G4A	December 2005	237.33	4,648.54	4.9	74.8
SUBURBAN WATER SYSTEMS	Well No. 140W-4 2/	May 2001	—	2,247.59	—	16.2
VALLEY COUNTY WATER DISTRICT	Maine East & West	June 1990	2,853.23	58,117.32	11.7	1,831.2
	Nixon East & West	January 2004	3,733.05	53,536.34	15.7	332.6
WATER QUALITY AUTHORITY	Arrow (Project No. 1) 2/	February 1992	—	7,250.41	—	17,423.0
	Big Dalton (Project No. 2) 2/	March 1997	—	1,229.02	—	82.5
	Whitmore Street	January 2008	10.42	323.11	6.2	185.5
	SEMOU	July 1999	—	3,885.19	—	1,558.5
TOTAL			73,421.66	1,658,698.38	6,581.8	180,820.9

Footnotes:

- 1/ From date of beginning of operation.
- 2/ Wellfield no longer pumps to treatment facility.
- 3/ EMOU (Deep Zone) operation transferred to City of El Monte in January 2019.
- 4/ Previously operated by City of Whittier from December 2005 to May 2013.
- 5/ Treatment facility has been permanently dismantled.
- 6/ Wells destroyed in June 1999.
- 7/ 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/ 9/ 10/
2003-04	\$9.00	--	\$0.00	\$1.05	--	\$246.65 \$165.00 \$265.00	8/ 9/ 10/
2004-05	\$12.75	--	\$0.00	\$1.20	--	\$246.65 \$130.00 \$265.00	8/ 9/ 10/
2005-06	\$7.00	--	\$0.00	\$1.25	--	\$251.90 \$130.00 \$238.00	8/ 9/ 10/
2006-07	\$7.50	--	\$0.00	\$1.50	--	\$251.90 \$130.00 \$238.00	8/ 9/ 10/
2007-08	\$5.00	--	\$0.00	\$1.40	--	\$251.90 \$130.00 \$261.00	8/ 9/ 10/
2008-09	\$10.00	--	\$0.00	\$5.05	--	\$450.00 \$130.00 \$387.00	8/ 9/ 10/
2009-10	\$11.75	--	\$0.00	\$1.25	--	\$587.00 \$130.00 \$527.00	8/ 9/ 10/
2010-11	\$13.00	--	\$0.00	\$1.00	--	\$512.00 \$130.00 \$409.00	8/ 9/ 10/
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/ 10.00% 9/ 10/
2015-16	\$15.00	--	\$0.00	\$10.00	\$20.00	\$773.00 \$165.00 \$700.00	8/ 10.00% 9/ 10/
2016-17	\$15.00	--	\$0.00	\$10.00	\$40.00	\$869.00 \$165.00 \$779.00	8/ 10.00% 9/ 10/
2017-18	\$15.00	--	\$0.00	\$10.00	\$70.00	\$898.00 \$185.00 \$795.00	8/ 10.00% 9/ 10/
2018-19	\$15.00	--	\$0.00	\$10.00	\$105.00	\$934.00 \$200.00 \$831.00	8/ 10.00% 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 storm water 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
2019-2020



2019-20 Adopted Administration Budget

	2018-19 Adopted Budget	2018-19 Estimated Actual	2019-20 Adopted Budget
REVENUE			
Administrative Assessment*	\$ 3,000,000	\$ 3,113,811	2,925,000
Settlement Income	-	-	-
Section 28 - Staff Reports/Permits	-	-	-
BPOU Reimbursements	145,000	70,000	130,000
Interest Income	10,000	70,000	60,000
Admin/Other Income	292,200	286,200	286,200
Transfer-Special Assessment Fund	-	-	-
Forward from Previous Fiscal Year	1,002,174	1,308,281	1,309,842
TOTAL REVENUE	\$ 4,449,374	\$ 4,848,292	\$ 4,711,042
EXPENSES			
Watermaster Board Compensation	\$ 20,000	\$ 18,000	20,000
Salaries, Benefits & Employee Development	1,670,180	1,377,400	1,682,300
Meeting and Travel	20,000	21,000	21,000
Vehicle Expense	13,500	9,000	11,000
Insurance	33,000	26,000	32,000
Office Supplies, Services, Rent and O&M	259,000	253,300	277,500
Legal Services	575,000	200,000	575,000
Audit	25,000	23,750	20,000
Ready-to-Serve Charges	99,500	99,500	99,500
Public Education	20,000	107,500	120,000
Engineering	473,000	380,000	422,500
Production Reporting	6,000	5,000	5,000
Inspection/Meter Checks	40,000	40,000	40,000
Water Quality Monitoring	776,000	773,000	916,000
Water Quality Management	220,000	205,000	215,000
Contingency (Balance Figure)	199,194	-	254,242
TOTAL EXPENSES	\$ 4,449,374	\$ 3,538,450	\$ 4,711,042

* Figure based on Administrative Assessment of \$15.00/AF (\$15.00/AF X 195,000 AF = \$2,925,000)

Note: Moved \$100,000 for PFAS out of WQ Monitoring to Engineering-Fed/State.

APPENDIX R

AUDIT OF FINANCIAL STATEMENTS

MAIN SAN GABRIEL BASIN WATERMASTER

REPORT ON AUDIT OF FINANCIAL STATEMENTS

June 30, 2019 and 2018



**MAIN SAN GABRIEL BASIN WATERMASTER
REPORT ON AUDIT OF FINANCIAL STATEMENTS
June 30, 2019 and 2018**

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INDEPENDENT AUDITORS' 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) which comprise the balance sheets as of June 30, 2019 and 2018, and the related statements of revenues, expenses and changes in net assets, and cash flows for the years 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.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits 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, 2019 and 2018, and the respective changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

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 15 through 17 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.

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.

CliftonLarsonAllen LLP

CliftonLarsonAllen LLP
Glendora, California
September 16, 2019

MANAGEMENT'S DISCUSSION AND ANALYSIS

MAIN SAN GABRIEL BASIN WATERMASTER
MANAGEMENT'S DISCUSSION AND ANALYSIS
June 30, 2019 and 2018

Background

The Main San Gabriel Basin Watermaster (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, though not utilized in FY 2018-19. The Program was intended to shift an agency's groundwater production to a treated Metropolitan Water District connection to supply system demand in times of drought and consequently helping to keep groundwater levels from additional decline.

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 potential 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 (RDA I) 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. The same arrangement was

MAIN SAN GABRIEL BASIN WATERMASTER
MANAGEMENT'S DISCUSSION AND ANALYSIS
June 30, 2019 and 2018

also approved by the Watermaster Board and MWD in early 2019. Funds from the RDA provided the mechanism to commit to this purchase of available supplemental water supplies.

On May 2, 2018, the Watermaster Board adopted Resolution No. 05-18-292 setting FY the 2017-18 assessment rates, including RDA, on all water produced during FY 2017-18. RDA II includes a 5-year schedule for the RDA assessment that would facilitate funding the purchase of MWD's cyclic deliveries.

Summary of Financial Information

For the year ending June 30, 2019, Watermaster's Total Assets increased by 11% to \$37.759 million, including an increase of 5.5% in Net Assets to \$33.593 million. The Administrative Fund had a net increase of \$2 million primarily due to increases in production and Local Agency Investment Fund (LAIF) interest rates, a reduction in legal expenses, savings in engineering costs, and unused contingency expense, as well as a reduction in overall salaries and benefits. The Replacement Fund had a net decrease of \$514,000 primarily due to the San Gabriel Valley Municipal Water District's (SGVMWD) deferred Replacement Water Obligation, and increased RDA water purchases, offset by higher Assessments and LAIF Interest Earned. The Make-Up Obligation Fund also had a net increase of \$216,000 as a benefit of the increased LAIF rates.

Current liabilities include accounts payable of \$2.4 million for WNOU Replacement Water for Production Year 2016-17, and Production Year 2017-18, which is billed late in the fiscal year after traditional purchases are made. This year also includes a \$298,500 amount collected from Producers incurring a Replacement Water obligation through the cyclic purchase incentive program. The Replacement Water order will be fulfilled by the end of the 2019 calendar year.

Noncurrent liabilities decreased by approximately \$4,000 for payments towards the telephone system and increased by \$16,413 for Other Postemployment Benefits (OPEB). Watermaster's Actuarial Valuation is done every two years, which includes the following year's projections and helps minimize larger adjustments each year. Currently, Watermaster funds retiree health benefits on a pay-as-you-go basis by withholding a portion of annual employee salary Cost of Living Adjustments (COLA). In FY 2018-19, the Board approved the COLA without the additional 0.5% deduction but maintained the existing 7%. These 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, 2019, is greater than the projected Accumulated Postretirement Benefit Obligation at June 30, 2019.

Review of Revenues and Expenses

The Administrative Assessment revenue increased from the prior year by \$187,000 due to higher production (207,587 AF assessed in FY 2018-19 for water produced in 2017-18 vs. 195,123 AF assessed in FY 2017-18 for water produced in 2016-17), with the assessment remaining the same at \$15 per acre-foot. The increase in Administrative and General expenses to prior year is

MAIN SAN GABRIEL BASIN WATERMASTER
MANAGEMENT'S DISCUSSION AND ANALYSIS
June 30, 2019 and 2018

\$95,000, for Water Quality Monitoring was \$63,000, and for Water Quality Management was \$8,000, while there was a decrease to overall Engineering costs to prior year by \$42,000.

Operating revenues in the Replacement Water Fund increased by \$9.4 million primarily due to the RDA Assessment going from \$40/AF to \$70/AF. Also, with increased production, there was a higher Replacement Water Obligation. In FY 2018-19, Cyclic Storage Water purchases increased by \$4.2 million from prior year. Also, in FY 2018-19, there was an increase in Water Purchases Expense by \$9.2 million as a result of the greater RDA Water Purchases, and the SGVMWD Deferred Replacement Water Obligation.

The In-Lieu Assessment revenue increased by \$122,500 due to higher production, while the assessment remained the same at \$10 per acre-foot. This assessment covers the Direct Delivery In-Lieu Water Purchases Program (though not utilized this fiscal year), the Alhambra Exchange Agreement (AEA), and the Metropolitan Water District Capacity Charge assessed for taking imported water during peak demand. In FY 2018-19, a transfer from the In-Lieu Fund to the Replacement Fund was made to cover the SGVMWD Deferred Replacement Water Obligation to meet the AEA calculations.

Comparison of FY 2018-19 Administration Budget to Actual Revenues and Expenses

Administrative Assessment revenue came in higher than the budgeted amount due to higher water production during the fiscal year. Other Income and Reimbursements was \$57,500 lower than budgeted due to the prior year's retirement of the BPOU Project Accountant, prompting an internal evaluation of the overall project needs and associated tasks. Management made the determination to promote an employee interested in learning accounting and the project, resulting in a lower rate of pay, and reimbursable cost to the project. It is important to note that BPOU is "net zero" and all money expended is fully reimbursed. Interest Income was \$93,000 higher than budgeted due to a steady monthly increase of LAIF Interest Rates compared to the conservative budgeted amount.

Overall, Engineering and related expenses came in lower than budget by approximately 30%. The budget had included \$40,000 for the groundwater model runs, but this was not utilized. Additionally, under the Groundwater Management Strategies and Studies, collectively \$30,000 was budgeted for potential participation in local recharge opportunities, but this was not spent during the fiscal year. These projects are moving forward, and Watermaster will expect to spend the money during the next fiscal year. Expenditures for the budgeted Public Health Goals were also budgeted during FY 2018-19 but actual invoices were not received until FY 2019-20. Additionally, savings were seen in WQ Management under the Quagga Mussel Plan item. This project was placed on hold pending the findings revealed in one of the Groundwater Management Strategies mentioned above. WQ Monitoring was under budget by \$230,000 primarily due to the timing of invoices for Title 22 and UCMR4 lab costs.

MAIN SAN GABRIEL BASIN WATERMASTER
MANAGEMENT'S DISCUSSION AND ANALYSIS
June 30, 2019 and 2018

Legal expenses for the year were budgeted to include work associated with ESA's, statewide water rights concerns, and impacts to Basin management from proposed legislation. In total, Legal expenses for fiscal year 2018-19 were 75% lower than budgeted.

Areas of higher than budgeted expenditures include General Engineering which included drought management planning and unexpected PFAS/PFOA sampling. Neither expenditures were anticipated at time of budget preparation. Additionally, Public Education and Copier Usage were higher due to the basin outreach endeavor Watermaster Board approved in March 2019. Also, this year we wrote-off defaulted assessments (Producers no longer producing and out of business) to Bad Debt Expense in the amount of \$1,873.

Budget savings were seen in several areas including salaries & benefits, posting 14% lower than expected, primarily as a result of staff changes (new employees lower on salary schedule) and fewer employee training sessions. Overall Office Expenses reduced by approximately 35% as a result of cost cutting measures including tracking of supplies, documenting printing jobs, scaling catering orders, and a change in telephone service provider that utilizes hard-wired fiber versus shared internet communication lines. This not only provided for costs savings, but more reliability in both telephone and internet operating systems. The contingency line item of \$199,200 was left unused for FY 2018-19.

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.

FINANCIAL SECTION

MAIN SAN GABRIEL BASIN WATERMASTER

BALANCE SHEETS June 30, 2019 and 2018

	2019	2018
<u>ASSETS</u>		
CURRENT ASSETS		
Cash and cash equivalents	\$ 29,232,409	\$ 25,762,563
Accounts receivable	316,296	258,147
Due from BPOU committee	277,666	140,145
Accrued interest receivable	148,284	86,777
Prepaid water purchases and other expenses	7,761,990	7,763,455
Employee loans receivable	634	4,333
Total current assets	37,737,279	34,015,420
NONCURRENT ASSETS		
Equipment and leasehold improvements, net	21,353	23,802
Total noncurrent assets	21,353	23,802
TOTAL ASSETS	\$ 37,758,632	\$ 34,039,222
<u>LIABILITIES AND NET ASSETS</u>		
CURRENT LIABILITIES		
Accounts payable	\$ 3,683,988	\$ 1,784,890
Accrued payroll	74,120	-
Accrued vacation	54,461	41,115
Deferred revenue	-	32,180
Current portion of long-term debt	3,551	2,693
Total current liabilities	3,816,120	1,860,878
NONCURRENT LIABILITIES		
Noncurrent portion of long-term debt	7,373	11,486
Postretirement benefit obligation	342,252	325,839
Total noncurrent liabilities	349,625	337,325
Total liabilities	4,165,745	2,198,203
NET ASSETS		
Without restriction - administrative	9,195,515	7,145,846
Legally restricted - replacement	10,936,668	11,450,908
Legally restricted - make-up	13,460,704	13,244,265
Total net assets	33,592,887	31,841,019
TOTAL LIABILITIES AND NET ASSETS	\$ 37,758,632	\$ 34,039,222

See 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, 2019 and 2018

	2019	2018
OPERATING REVENUES		
Administrative assessments, net	\$ 3,113,811	\$ 2,926,841
In-lieu assessments	2,072,656	1,950,194
Replacement assessments, net	19,817,239	10,391,180
Cyclic storage	19,288,172	15,080,076
Other income and reimbursements	379,642	333,251
Total operating revenues	44,671,520	30,681,542
OPERATING EXPENSES		
Water purchases	20,541,251	11,374,299
Cyclic storage	19,288,172	14,065,262
Engineering fees	361,403	403,802
Water quality monitoring	545,577	482,950
Water quality management	186,638	178,455
Administrative and general	2,282,976	2,187,337
Depreciation expense	7,854	3,602
Total operating expenses	43,213,871	28,695,707
In-lieu expenses	490,099	505,025
Total expenses	43,703,970	29,200,732
OPERATING INCOME	967,550	1,480,810
NONOPERATING REVENUES (EXPENSES)		
Interest income and other income (expense)	772,490	376,233
Unrealized gain (loss) on investments	-	16,074
Postretirement-related changes other than net periodic benefit cost	11,828	(112,872)
Total nonoperating revenues	784,318	279,435
CHANGES IN NET ASSETS	1,751,868	1,760,245
NET ASSETS - BEGINNING OF YEAR	31,841,019	30,080,774
NET ASSETS - END OF YEAR	\$ 33,592,887	\$ 31,841,019

See accompanying notes to financial statements.

MAIN SAN GABRIEL BASIN WATERMASTER

STATEMENTS OF CASH FLOWS For the Years Ended June 30, 2019 and 2018

	2019	2018
CASH FLOWS FROM OPERATING ACTIVITIES:		
Change in net assets	\$ 1,751,868	\$ 1,760,245
Adjustments to reconcile changes in net assets to net cash provided by operating activities:		
Depreciation	7,854	3,602
Postretirement benefit related changes	16,413	127,191
Changes in operating assets and liabilities:		
Accounts receivable	(58,149)	419,409
Due from BPOU committee	(137,521)	136,985
Prepaid expenses	1,465	6,188,578
Accounts payable	1,899,098	866,930
Accrued payroll and benefits	87,466	9,527
Deferred revenue	(32,180)	32,180
Net cash provided by operating activities	<u>3,536,314</u>	<u>9,544,647</u>
CASH FLOWS FROM INVESTING ACTIVITIES:		
Net change in accrued interest receivable	(61,507)	(57,483)
Purchase of fixed assets	(5,405)	-
Cash received (advanced) for employee loans	<u>3,699</u>	<u>(3,252)</u>
Net cash used by investing activities	<u>(63,213)</u>	<u>(60,735)</u>
CASH FLOWS FROM FINANCING ACTIVITIES:		
Cash paid for principal payments on note	<u>(3,255)</u>	<u>(515)</u>
Net cash used by financing activities	<u>(3,255)</u>	<u>(515)</u>
Net increase in cash and cash equivalents	3,469,846	9,483,397
CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR	<u>25,762,563</u>	<u>16,279,166</u>
CASH AND CASH EQUIVALENTS, END OF YEAR	<u>\$ 29,232,409</u>	<u>\$ 25,762,563</u>
SUPPLEMENTARY NON-CASH DISCLOSURE:		
Purchase of debt financed equipment	<u>\$ -</u>	<u>\$ 14,694</u>

See independent auditors' report and accompanying notes to financial statements.

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

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.

Without Restriction - This component of net assets consists of net assets that do not meet the definition of "restricted."

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

- Cash and cash equivalents without restriction at June 30, 2019 and 2018 include \$423,350 and \$369,977, 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, 2019 and 2018, 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, 2019 and 2018 was \$7,854 and \$3,602, 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 be sustained upon examination. Management has analyzed the tax positions taken by

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Watermaster, and has concluded that as of June 30, 2019, 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.

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

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 at June 30,:

	2019	2018
Furniture and equipment	\$ 223,912	\$ 218,507
Leasehold improvements	27,496	27,496
	<u>251,408</u>	<u>246,003</u>
Less accumulated depreciation	(230,055)	(222,201)
Equipment and leasehold improvements, net	<u>\$ 21,353</u>	<u>\$ 23,802</u>

NOTE 4: LOAN AGREEMENT

As of June 1, 2018, Watermaster entered into a loan agreement to purchase certain capital equipment. Interest on the loan is at 9.5% with a loan term of 48 months. Future loan obligations under the agreement are as follows:

Year Ending June 30,	Future Principal Payments
2020	\$ 3,551
2021	3,799
2022	<u>3,574</u>
Total	<u>\$ 10,924</u>

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

NOTE 5: 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, 2019 and 2018 was \$80,022, and \$81,309, respectively.

Watermaster has renewed the lease for the following year with the same monthly base payments totaling \$67,000 for the year ending June 30, 2019. In addition, Watermaster is required to pay additional rent monthly based on a percentage of management and operating expenses.

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

Year Ending June 30,	Minimum Lease Commitment
2020	\$ 5,975
2021	3,440
2022	3,440
2023	1,147
Total	<u>\$ 14,002</u>

Rental expense for the years ended June 30, 2019 and 2018 was \$17,774 and \$16,803, respectively.

NOTE 6: 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 Members (PEPRA Members) and defined different assumptions and benefits for these PEPRA Members than those used for continuing members (Classic Members). Classic Members are required to contribute 7% of their annual covered salary and PEPRA Members are required to contribute 6.25% of their annual covered salary. Watermaster makes the contributions required

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

NOTE 6: PENSION PLAN

of the Classic Members on their behalf and for their account, but does not make the contributions required of the PEPRA Members. Watermaster is required to contribute annually at actuarially determined rates; the current rates are 9.409% and 6.842% of annual covered payroll for Classic Members and PEPRA Members, respectively. The contribution requirements of plan members and Watermaster are established and may be amended by CalPERS. For fiscal year ended June 30, 2019, Watermaster's annual pension cost of \$207,543 for CalPERS was equal to Watermaster's required and actual contributions.

Funded Status

The following information summarizes the funded status of the CalPERS Plan as of June 30, 2018 measurement date, the most recent actuarial valuation date available:

	<u>Plan-wide Information</u>
Total pension liability	\$ 38,944,855
Less: Plan fiduciary net position	29,308,589
Plan net pension liability	<u>\$ 9,636,266</u>

Funded Ratio

75.26%

NOTE 7: POSTRETIREMENT HEALTH BENEFIT PLAN

Watermaster provides medical coverage to eight active employees and one retired employee 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, 2019, the fund's designated balance was \$423,350.

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

NOTE 7: POSTRETIREMENT HEALTH BENEFIT PLAN

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

	2019	2018
Plan obligations and funded status:		
Projected benefit obligation at June 30	\$ 342,252	\$ 325,839
Plan assets at fair value at June 30	<u>-</u>	<u>-</u>
Unfunded status at end of year	<u>\$ 342,252</u>	<u>\$ 325,839</u>
Employer contributions	\$ 13,657	\$ 26,824
Plan participants' contributions	\$ -	\$ -
Benefits paid	\$ 13,657	\$ 26,824

Amount recognized in the balance sheets at June 30, 2019 and 2018 consists of:

	2019	2018
Other postretirement benefit obligation	<u>\$ 342,252</u>	<u>\$ 325,839</u>

Amount recognized in the statement of revenues, expenses and changes in net assets at June 30, 2019 and 2018, consists of:

	2019	2018
Service cost	\$ 17,036	\$ 16,381
Interest cost	13,034	12,934
Amortization of transition obligation	<u>11,828</u>	<u>11,828</u>
Net periodic benefit cost	41,898	41,143
Total postretirement-related changes other than net periodic benefit cost	<u>(11,828)</u>	<u>112,872</u>
Total amount recognized in the statement of revenues, expenses and changes in net assets	<u>\$ 30,070</u>	<u>\$ 154,015</u>

Other changes in plan assets and benefit obligations previously recognized in changes in net assets without restriction:

	2019	2018
Actuarial loss	<u>\$ (74,115)</u>	<u>\$ (85,942)</u>
Amounts previously recognized in unrestricted net assets, not yet recognized as periodic benefit cost at June 30	<u>\$ (74,115)</u>	<u>\$ (85,942)</u>

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

NOTE 7: POSTRETIREMENT HEALTH BENEFIT PLAN

Weighted-average assumption used to determine benefit obligations as of June 30, 2019 and 2018:

	2019	2018
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 \$15,191 to the plan during the next fiscal year ended June 30, 2020. The following is a projection of expected future benefit payments unwater the plan:

Year Ending June 30	Amount
2020	\$ 15,191
2021	17,169
2022	24,394
2023	27,129
2024	31,778
Thereafter	113,121
	<u>\$ 228,782</u>

NOTE 8: 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 I) 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 on the determination of the annual operating safe yield.

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. RDA II established a

MAIN SAN GABRIEL BASIN WATERMASTER

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019 and 2018

NOTE 8: WATER RESOURCE DEVELOPMENT ASSESSMENT

5-year ramping assessment from \$40/AF to \$175/AF on all water produced in the Basin. Like RDA I, the Watermaster Board will review annually to determine need. 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.

The RDA I and RDA II are part of a single program. The RDA II program was an expansion of the RDA implemented for general benefit water while considering financial tolerances of rate payers. As of June 30, 2018, all funds collected through the RDA program to purchase water fall under the RDA II facet.

NOTE 9: DIRECT 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 10: SUBSEQUENT EVENTS

Watermaster has evaluated subsequent events through September 16, 2019, 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.

SUPPLEMENTARY INFORMATION

**MAIN SAN GABRIEL BASIN WATERMASTER
ADMINISTRATIVE FUND**

**SCHEDULE OF REVENUES, EXPENSES AND CHANGE IN NET ASSETS
For the Year Ended June 30, 2019**

	Annual Budget (Unaudited)	Actual	Budget vs. Actual
OPERATING REVENUES			
Administrative assessments, net	\$ 3,000,000	\$ 3,113,811	\$ 113,811
In-lieu assessments	2,072,656	2,072,656	-
Other income and reimbursements	437,200	379,642	(57,558)
Total operating revenues	5,509,856	5,566,109	56,253
OPERATING EXPENSES			
Watermaster compensation	20,000	10,700	(9,300)
Salaries and benefits	1,670,180	1,399,612	(270,568)
Meeting and travel	20,000	23,073	3,073
Vehicle expense	13,500	9,759	(3,741)
Insurance	33,000	27,138	(5,862)
Engineering fees	473,000	333,042	(139,958)
Production reporting	6,000	3,829	(2,171)
Legal fees	575,000	143,139	(431,861)
Accounting and auditing	25,000	23,750	(1,250)
Inspection and meter charges	40,000	24,532	(15,468)
Contingencies	199,194	-	(199,194)
Water quality monitoring	776,000	545,577	(230,423)
Ready to serve	99,500	99,480	(20)
Depreciation expense	-	7,854	7,854
Bad debt expense	-	1,873	1,873
Water quality management	220,000	186,638	(33,362)
Public education	20,000	53,561	33,561
Building lease	93,000	80,022	(12,978)
Office improvements	6,000	3,421	(2,579)
Postage and meter lease	6,500	5,417	(1,083)
Copier lease/usage	10,000	12,357	2,357
Telephone	10,500	5,222	(5,278)
Printing	13,000	9,797	(3,203)
Office supplies and services	45,000	29,282	(15,718)
Dues	35,000	28,671	(6,329)
Equipment maintenance agreements	24,000	22,302	(1,698)
Computer/office equipment	16,000	9,651	(6,349)
Total operating expenses	4,449,374	3,099,699	(1,349,675)
In-lieu expenses - Alhambra Exchange & capacity charge	490,099	490,099	-
Total expenses	4,939,473	3,589,798	(1,349,675)
OPERATING INCOME	570,383	1,976,311	1,405,928
NONOPERATING REVENUES (EXPENSES)			
Interest income and other income (expense)	10,000	103,428	93,428
Unrealized loss on investments	-	-	-
Postretirement-related changes other than net periodic benefit cost	-	(30,070)	(30,070)
Total nonoperating revenues	10,000	73,358	63,358
CHANGE IN NET ASSETS	\$ 580,383	2,049,669	\$ 1,469,286
NET ASSETS - BEGINNING OF YEAR		7,145,846	
NET ASSETS - END OF YEAR		\$ 9,195,515	

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

**SCHEDULE OF REVENUES, EXPENSES AND CHANGE IN NET ASSETS
For the Year Ended June 30, 2019**

Assessments, net	\$ 19,817,239
Cyclic storage water	<u>19,288,172</u>
Total revenues	<u>39,105,411</u>
OPERATING EXPENSES	
Water purchases	20,541,251
Cyclic storage water	19,288,172
Bad debt expense	<u>140,351</u>
Total expenses	<u>39,969,774</u>
OPERATING LOSS	(864,363)
NONOPERATING REVENUES	
Interest income	<u>350,123</u>
Nonoperating revenues	<u>350,123</u>
CHANGE IN NET ASSETS	(514,240)
NET ASSETS - BEGINNING OF YEAR	<u>11,450,908</u>
NET ASSETS - END OF YEAR	<u><u>\$ 10,936,668</u></u>

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

**SCHEDULE OF REVENUES, EXPENSES AND CHANGE IN NET ASSETS
For the Year Ended June 30, 2019**

OPERATING EXPENSES

San Gabriel River Watermaster	\$ 102,500
Net operating expenses	<u>102,500</u>

OPERATING LOSS (102,500)

NONOPERATING REVENUES

Interest income	318,939
Nonoperating revenues	<u>318,939</u>

CHANGE IN NET ASSETS 216,439

NET ASSETS - BEGINNING OF YEAR 13,244,265

NET ASSETS - END OF YEAR \$ 13,460,704



Main San Gabriel Basin
WATERMASTER



Rio Hondo Spreading Ground.

Photo credit: Los Angeles County Public Works.

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