

1 NOSSAMAN LLP  
2 FREDERIC A. FUDACZ (SBN 50546)  
3 ffudacz@nossaman.com  
4 ALFRED E. SMITH, II (SBN 186257)  
5 asmith@nossaman.com  
777 S. Figueroa Street, 34th Floor  
Los Angeles, CA 90017  
Telephone: 213.612.7800  
Facsimile: 213.612.7801

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GOVERNMENT CODE § 6103**

6 Attorneys for Main San Gabriel Basin Watermaster

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9 SUPERIOR COURT OF THE STATE OF CALIFORNIA  
10 FOR THE COUNTY OF LOS ANGELES  
11

12 UPPER SAN GABRIEL VALLEY  
13 MUNICIPAL WATER DISTRICT,

14 Plaintiff,

15 vs.

16 CITY OF ALHAMBRA,

17 Defendant.  
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Case No: C924 128

Assigned for all purposes to:  
Honorable Maureen Duffy-Lewis, Dept.  
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**NOTICE OF FILING AND FILING OF  
WATERMASTER ANNUAL REPORT  
PURSUANT TO JUDGMENT SECTION  
36**

NO HEARING REQUIRED

1 Notice is hereby given that the 2019-2020 Watermaster Annual Report is being  
2 filed with the Court, in accordance with Section 36 of the amended Judgment in the  
3 above-referenced case. Copies of the Annual Report are being served on the Parties.  
4

5 Dated: November 9, 2020

NOSSAMAN LLP  
Frederic A. Fudacz  
Alfred E. Smith, II

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8 By: 

9 Frederic A. Fudacz  
10 Attorneys for Main San Gabriel Basin  
11 Watermaster  
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Main San Gabriel Basin  
**WATERMASTER**

# **2019–2020**

**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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# Fostering Collaboration

*Watermaster has a long history of fostering regional collaboration and coordination through its wide-ranging engagement with water suppliers, regulators, municipalities, and others.*

## **SUPPORT IMPLEMENTATION OF MEASURE W PROJECTS AND PROTECT WATER RIGHTS**

Measure W, which passed last year, levies a special tax for parcels in the Los Angeles County Flood Control District. The measure raises about \$300 million per year to fund projects that capture, treat, and recycle rainwater.

Watermaster sits on committees for two of the nine watersheds covered by Measure W and offers its engineering and water management expertise to help support projects that improve water supply and quality, while working to ensure that water rights and water supply concerns are addressed.

## **CREATIVE SOLUTIONS IN THE WHITTIER NARROWS OPERABLE UNIT**

Over the years, Watermaster has helped the stakeholders in the Whittier Narrows Operable Unit overcome difficult challenges. The Operable Unit treatment plant was originally built by the U.S. Environmental Protection Agency and transferred to the California Department of Toxic Substances Control to operate. Efforts continue to treat groundwater for consumption and beneficial use.

## **PROTECTING WATER RIGHTS AND WATER SUPPLIES**

**Executive staff worked extensively with Congresswoman Judy Chu** to ensure that water rights and San Gabriel River operations, including spreading grounds, are protected in connection with the San Gabriel Mountains Foothills and Rivers Protection Act.

**Congresswoman Grace Napolitano Coordinated with Watermaster Staff** to highlight the status of Watermaster's partnership with the Los Angeles County Flood Control District and suggest ways that the reauthorization of the Federal Water Resources Development Act can help advance our joint ability to serve the water needs of the people in the San Gabriel Valley.

## **OTHER REGIONAL COLLABORATIVE PROJECTS**

- Watermaster's Assistant Executive Officer is the Chair of the local steering committee of the Los Angeles Integrated Regional Water Management Plan. The Executive Officer is on the Leadership Committee as Groundwater Representative.
- Watermaster engaged with the San Gabriel Valley Protective Association to improve management of tracking and accounting systems between the Upper and Lower Areas of the San Gabriel River system.
- Watermaster is participating in and helping fund a study on protection of local recharge facilities from the effects of invasive mussels.

*Cover photo: the California Aqueduct, credit California Department of Water Resources.*

# ALWAYS PREPARING FOR THE NEXT DROUGHT

*“Due to our dry conditions, droughts are a part of life here. We are either in drought, recovering from drought or preparing for the next drought. And, droughts are getting more extreme.”*

*From Watermaster’s “The Waters That Connect Us” Outreach Campaign*

Watermaster’s major new public outreach initiative, “The Waters That Connect Us,” is direct about the challenges facing Watermaster—and, indeed, the entire community. Drought is increasingly central to life in Southern California. Yes, we have periods of ample rainfall, but they are becoming less frequent, and the periods between are expected to grow longer, drier, and hotter over time.

**Our Most Powerful Tools Are Dialogue and Collaboration.** Ensuring long-term reliable water supplies for the 1.4 million people in the Main San Gabriel Basin is a complex challenge. The Basin covers 167 square miles and holds about 2.5 trillion gallons of water, which flows in from countless natural and man-made pipelines, creeks, rivers, and other sources. That water is extracted by over 200 wells operated by dozens of Producers, all of which is overseen by numerous regulators. Providing a long-term, high quality water supply requires the understanding, participation, and collaboration of the entire water community—regulators, legislators, leaders, and residents.

**“The Waters That Connect Us” Campaign.** The critical need for the public to understand the realities of our water supply led us to launch “The Waters That Connect Us.” This multiyear outreach and communication effort has already taught us a lot about what the public knows and thinks, and will pay major dividends over time by building public understanding and support.

**Continued Focus on Raising Basin Water Levels and Improving Long-Term Water Reliability.** Since the last historic drought that began in 2011, Watermaster has made many changes to become dramatically more flexible, creative, and effective at bringing in new water and improving the water supply. These changes include purchasing, importing, and storing large amounts of water in the Basin, and making progress on a very large regional recycled water program.

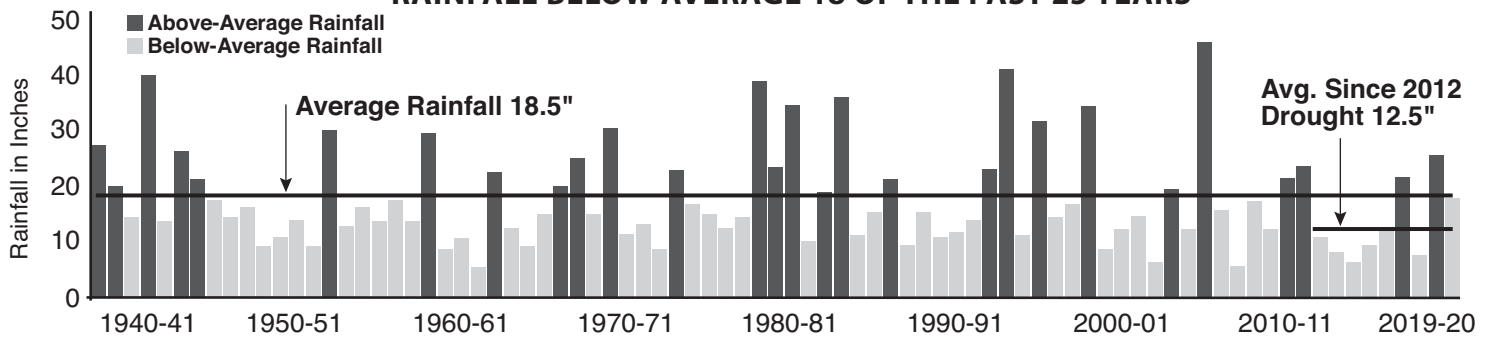
We can’t count on increased rainfall to deliver the water we need, so we will have to depend on our community’s creativity, our shared resources, and collaboration. I have seen what we can do when we work together, and it gives me confidence in our continued success in the coming years.

**Anthony C. Zampello**  
Executive Officer



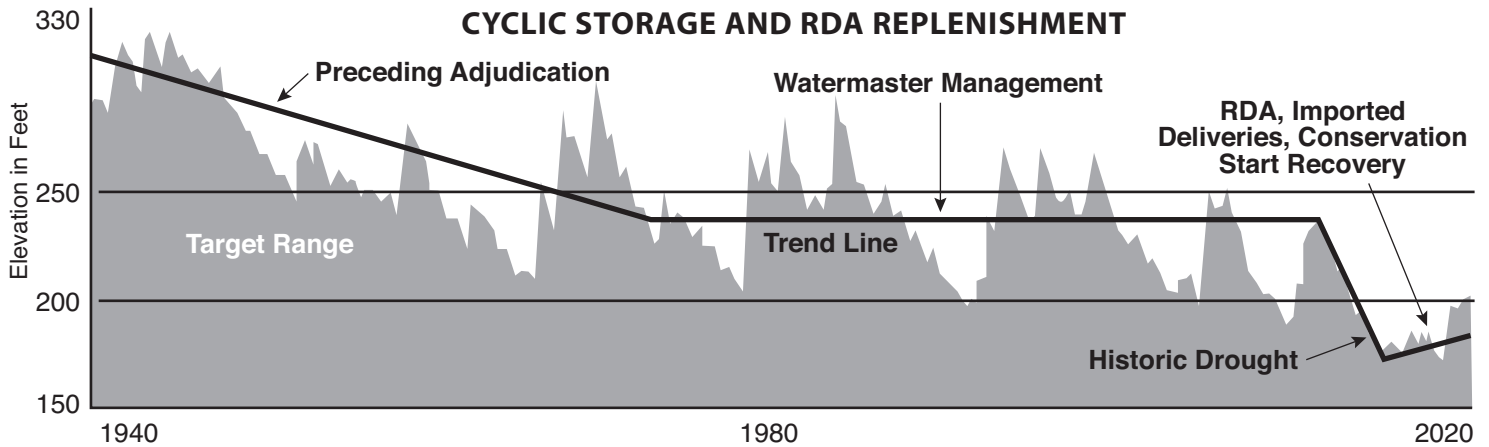
# Drought Persists, but Basin Starting to

## RAINFALL BELOW AVERAGE 18 OF THE PAST 25 YEARS



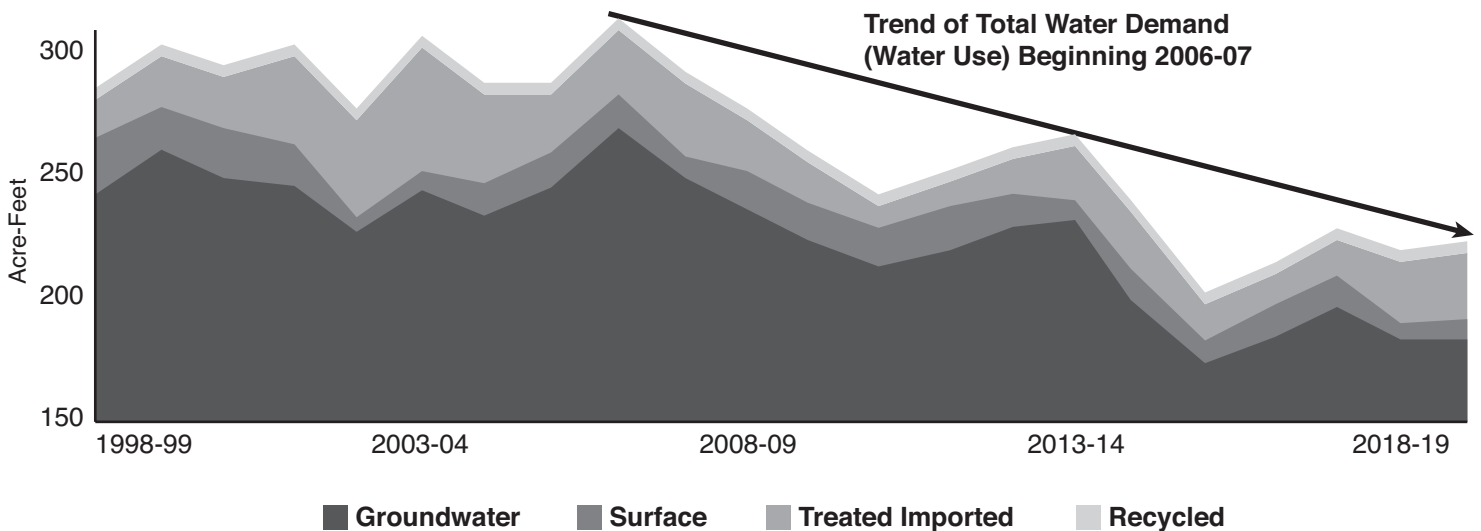
The Basin is in an extended period of drought-like conditions, with 18 out of the most recent 25 years having below-average rainfall.

## KEY WELL CONTINUES RECOVERY DUE TO INCREASES IN CYCLIC STORAGE AND RDA REPLENISHMENT



The Key Well rose 6.3 feet due to net increases in Cyclic Storage (58,900 acre-feet) and local/RDA Water (101,200 acre-feet).  
The increase in the Key Well from its historic low in 2018 is equal to well over a year's supply for the Basin.

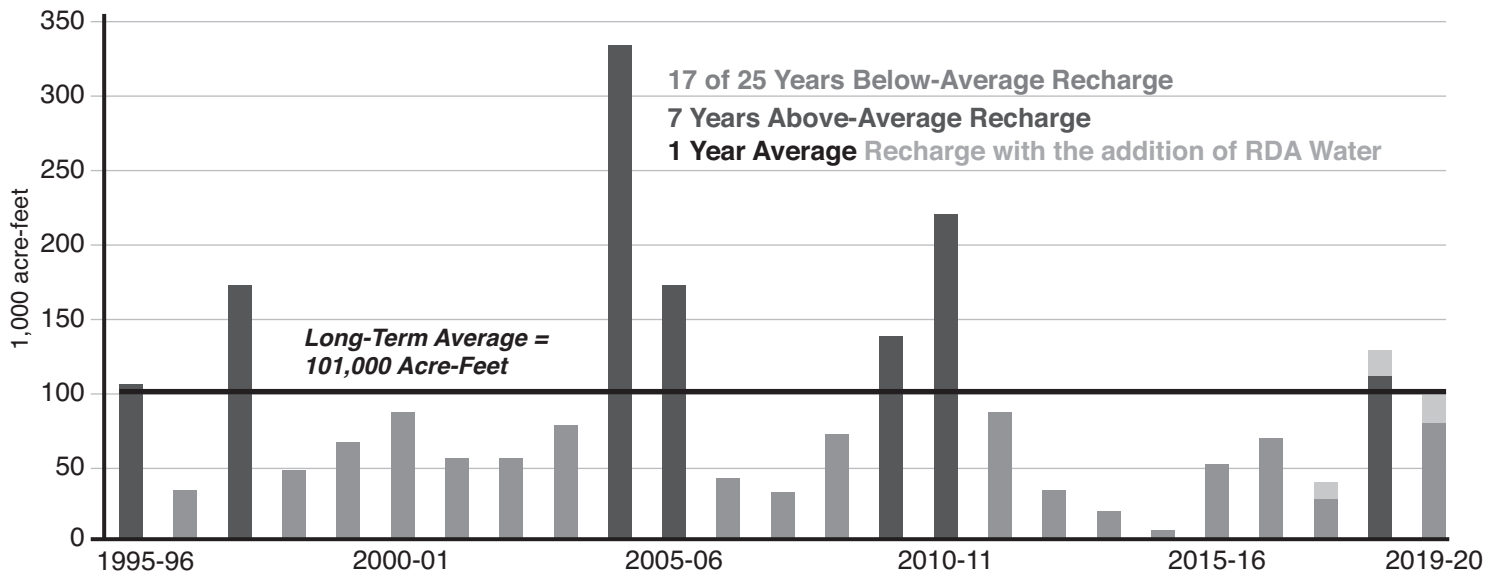
## WATER USE IS 30% BELOW ITS PEAK, SET IN 2006



Watermaster works with stakeholders to promote retail water conservation, and long-term water demand has fallen steadily over the past decade or more. This year, demand is about 30% below its peak in 2006.

# Recover Due to Watermaster Actions

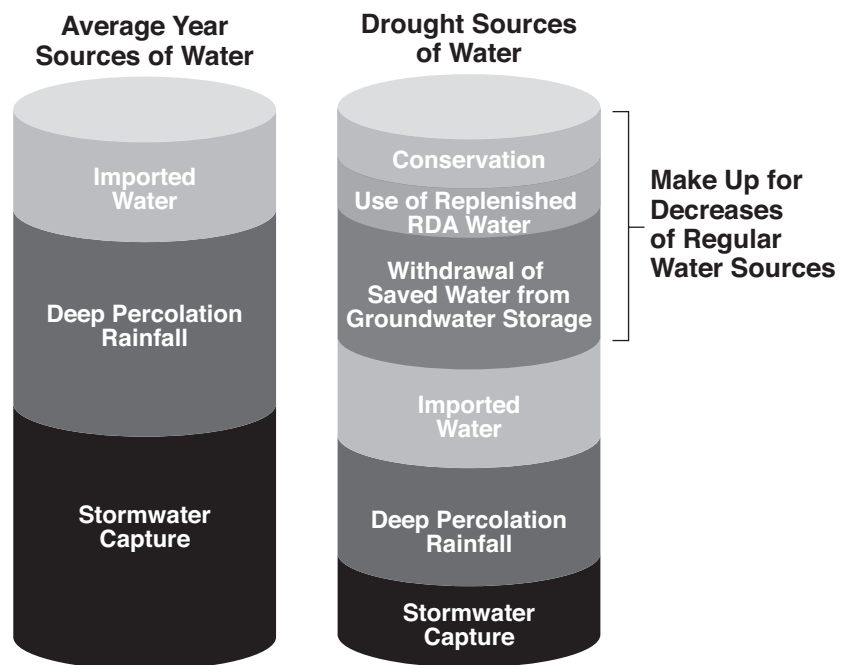
## ABOVE-AVERAGE STORAGE IN SAN GABRIEL CANYON RESERVOIRS



Despite near-average rainfall (96%) in 2019–20, local stormwater capture and recharge was only 78% of average; the ground is so dry from the extended drought-like conditions that stormwater runoff is absorbed by the soil instead of flowing into local storage reservoirs.

## HOW CONSERVATION, RDA WATER, AND STORED WATER MEET DROUGHT NEEDS

Since the 2011 drought, local recharge is only about 53% of the long-term average, representing a drop in elevation at the Key Well of 47 feet. Purchase of RDA Water and other actions are starting to make up for the loss.



During severe droughts, less rainfall leads to decreased stormwater capture and deep percolation of rainfall. These water losses are made up by reduced customer water use (conservation), use of replenished RDA Water, and withdrawal of water from groundwater storage.



# How Watermaster Is Addressing the

*The historic five-year drought that began in 2011 amidst a 20-year dry period took groundwater levels consistently below the management range for the first time in Watermaster's nearly 50-year history. Watermaster is implementing an extensive plan to permanently balance Basin water supplies using new funding and water management programs.*

## THREE KEY WATER MANAGEMENT ACTIONS THAT ARE IMPROVING THE WATER SUPPLY

**1. MAINTAIN A CONSERVATIVE OPERATING SAFE YIELD (OSY).** A low OSY triggers the purchase of additional imported water when local supplies are low. This helps to maintain Basin levels and generates income through replenishment payments for purchasing imported water.

**2. IMPLEMENT THE RESOURCE DEVELOPMENT ASSESSMENT (RDA).** This critical fund provides reliability by purchasing supplemental water supplies to meet long-term water needs.

**3. DEVELOP A MAJOR AND PERMANENT RECYCLED WATER SUPPLY.** Watermaster and other stakeholders are working with Metropolitan Water District (MWD), Sanitation Districts of Los Angeles County, and others to participate in a program to bring between 60,000 and 80,000 acre-feet of recycled water to replenish the Basin each year.

*The two-decade-long dry period has resulted in low rainfall, minimal runoff, and limited recharge. As a result, Basin recovery depends on Watermaster's extensive management actions.*

## OTHER ACTIONS THAT ARE IMPROVING THE WATER SUPPLY

**4. PROVIDE INCENTIVES TO STORE WATER.** Watermaster provides financial incentives to Producers to pre-purchase water for Cyclic Storage to offset Replacement Water obligations and anticipate imported water needs.

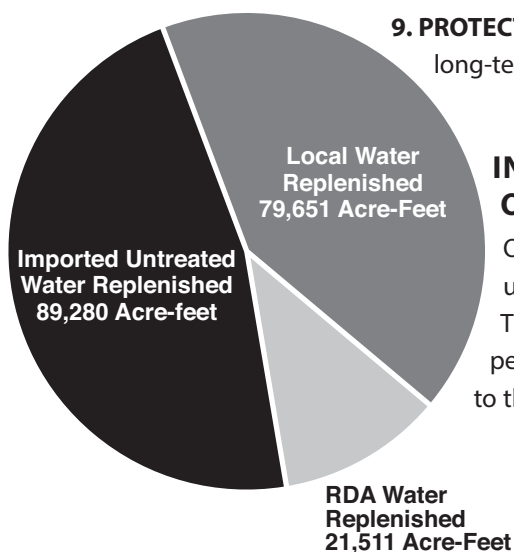
**5. PROMOTE BASIN EDUCATION AND WISE WATER USE.** Watermaster conducts extensive public outreach and education about the Basin and responsible water use, along with the San Gabriel Valley Water Association and Producers.

**6. COLLABORATE ON WATER MANAGEMENT.** Watermaster engages with local and regional water producers, regulators, and others on water supply and quality issues.

**7. DEVELOP AND USE ADVANCED TECHNOLOGY AND PLANNING.** Watermaster has built an advanced 3D groundwater model using decades of groundwater data it collects, and uses the model and many other tools to monitor and manage the basin effectively.

**8. PRODUCTIVELY USE TREATED GROUNDWATER.** Watermaster ensures that virtually all contaminated groundwater is treated and productively used.

**9. PROTECT WATER RIGHTS.** Watermaster seeks to protect water rights in the Basin to ensure long-term, high-quality, and affordable water supplies to the residents of the San Gabriel Valley.

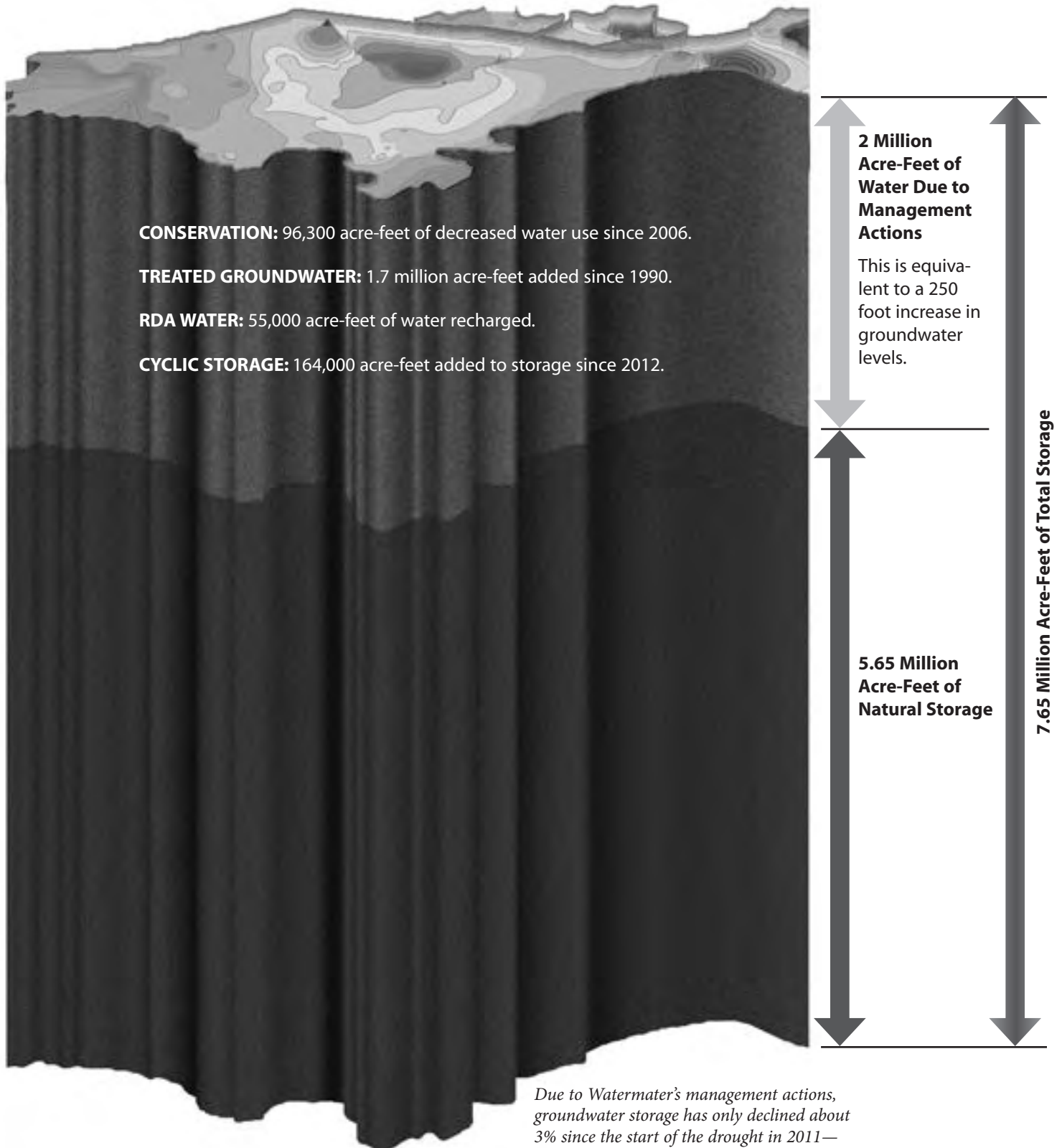


## IN 2020, WATERMASTER REPLENISHED OVER 110,000 ACRE-Feet OF WATER

Over 166,000 acre-feet of water was imported into the Basin during the past two years under a special agreement with Upper San Gabriel Valley Municipal Water District, Three Valleys Municipal Water District, and MWD that funds the purchase over a five-year period. If additional water becomes available, Watermaster is in a position to buy it thanks to the Resource Development Assessment (RDA) funding.

# Long-Term Drought

## MANAGEMENT ACTIONS MAKE 2 MILLION ACRE-FEET AVAILABLE



# This Year's Water Management Actions

*Basin Producers and their customers have recognized the long-term need to invest in augmenting the water supply by supporting the RDA. They are now preparing to invest in the Regional Recycled Water Project, which will help provide greater long-term water reliability.*

*Recycled water is drought proof and can be counted on as a long-term reliable supply that will make up for losses in local recharge due to decades-long drought conditions.*

*Here is a summary of progress on major water supply initiatives this year.*

## **LOW OPERATING SAFE YIELD PROMOTES INCREASED REPLENISHMENT**

The Operating Safe Yield (OSY)—one of the top three management tools used by Watermaster—is the amount of water that can be pumped from the Basin without purchasing expensive imported water. For the past six years, the OSY has been kept at 150,000 acre-feet. This low OSY leads to increased replenishment payments to fund the purchase of additional imported water when it's available and local supplies are not adequate to meet water demand.

## **RDA ASSESSMENT AND WATER PURCHASES CONTINUE TO GROW, IMPROVING THE WATER SUPPLY**

The Resource Development Assessment (RDA) is designed to fund the purchase of supplemental water supplies to replenish the Basin and make up for shortfalls caused by ongoing and future dry periods. The RDA started at \$40 per acre-foot of water pumped in the Basin in 2016 and increased to \$140 per acre-foot of water pumped this year; and is planned to be increased to \$175 per acre-foot next year. RDA funds are used to purchase untreated imported water to supplement the shortage of local stormwater resulting from recent dry periods. Over 80,000 acre-feet have been purchased and replenished to date under this program.

## **DEVELOPING A NEW RECYCLED WATER SUPPLY TO PERMANENTLY BALANCE THE BASIN**

Watermaster and numerous other stakeholders are working with MWD, Sanitation Districts of Los Angeles County, and others to participate in the Regional Recycled Water Program. This program could bring between 60,000 and 80,000 acre-feet of new water each year to the Main San Gabriel Basin to make up for inadequate local rainfall and recharge.

A formal letter of intent to collaborate on the development of future agreements for the purchase and delivery of advanced treated water for replenishment to the Main San Gabriel Basin is in the process of being signed as of fiscal year-end in June 2020. Water agencies with Colorado River water rights in other states are supporting and may help fund the project because it will allow Southern California to use less Colorado River water.

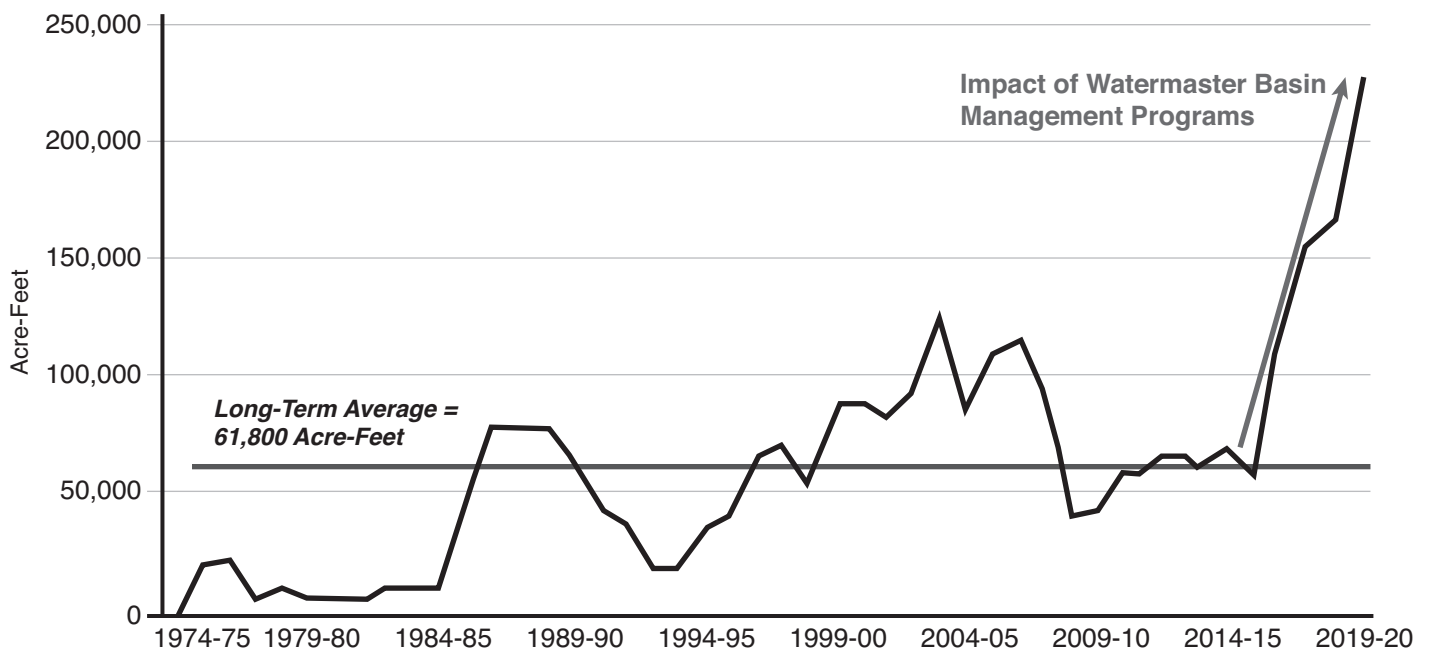
## **USING 3D GROUNDWATER MODEL TO SUPPORT OTHER AGENCIES' PROJECTS**

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. Watermaster is also using it to model contaminants for the Producers.

## CYCLIC STORAGE

*The Cyclic Storage Program provides incentives for Producers and Responsible Agencies to pre-purchase and store available untreated imported water for later use, instead of purchasing Replacement Water at potentially higher future rates.*

### LARGE INCREASE IN CYCLIC STORAGE HELPS BOOST BASIN LEVELS



### EXTENDED CYCLIC STORAGE AGREEMENTS TO TEN YEARS

The Cyclic Storage agreements were renegotiated to provide greater flexibility in managing imported water supplies and to give MWD more time to productively use any stored water. The change involved extending the length of agreements from five to ten years, and synchronizing the timing of the agreements between Three Valleys Municipal Water District and Upper San Gabriel Valley Municipal Water District.

### DEVELOPING NEW WATER SUPPLY FROM STORMWATER

Watermaster is continuing to participate in and fund a multiyear study with numerous other regional stakeholders. This study will develop criteria for stormwater capture and use for ground-water recharge.

### SUPPLY FORECASTING AND DELIVERY PLANNING

Watermaster is working with San Gabriel Valley Municipal Water District to adjust their approach to managing supplies and meeting their obligations to the four cities they serve as well as to Watermaster.

***Watermaster maintains multiple programs that involve purchasing imported water when available and storing it for later use. This not only improves the water supply but also saves money over time, since future water rates are almost always higher than current ones.***



# Protecting & Improving Water Quality

*Watermaster works to protect water quality while maximizing available water supplies for our region.*

## **REGION-WIDE QUALITY TESTING AND MONITORING**

*Watermaster provides regional water quality testing on behalf of the Producers. This lowers costs, helps to identify trends, and ensures a consistent regulatory response.*

### **TITLE 22 DRINKING WATER QUALITY TESTING**

As the Basin manager, Watermaster has continued to conduct State-required Title 22 drinking water quality sampling throughout the Basin for many years.

### **EXPANDED PFAS AND PFOA TESTING**

Per and polyfluoroalkyl substances (PFAS), perfluorooctanoate acid (PFOA), and perfluorooctyl sulfonate (PFOS) are found in a wide range of consumer products, such as cookware, pizza boxes, and stain repellants. PFAS can accumulate and remain in the human body for long periods of time, and there is evidence that exposure to PFAS can lead to adverse health outcomes in humans.

In 2019, four quarters of testing were required at 26 wells within the Basin. During the 2019–20 water year, 24 wells were tested by Watermaster (two inactive wells could not be tested). Of the 24 wells tested, PFOA and/or PFOS were detected above the notification levels at five wells. Water from these five wells is already being treated using liquid-phase Granular Activated Carbon (GAC) for other constituents. The water from these wells, therefore, meets all quality regulations.

Watermaster has budgeted \$500,000 to conduct quarterly testing at the remaining 160 wells within the Basin in the next two years. Basin testing requirements from the State Water Resources Control Board, Division of Drinking Water (DDW) for fiscal year 2020–21 are expected in the fall.

## **ENGAGE IN LOCAL GROUNDWATER CLEANUP PROJECTS**

*Watermaster continues to engage in local groundwater cleanup projects and strives for beneficial end-use for the water within the Basin.*

### **MANAGE THE BALDWIN PARK OPERABLE UNIT (BPOU) AGREEMENT**

Watermaster continues to manage the implementation of the largest cleanup site in the Basin through the BPOU Agreement. This year, a major effort was required to contract for project insurance due to the risks posed by tightening PFAS and PFOA regulations. Watermaster provides third-party review and evaluation of the cleanup, accounting services, and technical and administrative coordination on subprojects and committee meetings.

### **FACILITATE AND ENGAGE WITH OPERABLE UNIT (OU) CLEANUP**

Watermaster continues to actively facilitate and support cleanup at all the operable units within the Basin.



## **OTHER ACTIONS TO PROTECT AND IMPROVE GROUNDWATER QUALITY**

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### **APPROVE CHANGES IN WELLS TO PROTECT QUALITY AND SUPPLY**

One key responsibility of Watermaster is to review and approve every application to drill, destroy, or modify a well to ensure that any changes do not harm water quality or supply.

### **INSPECTING LANDFILLS TO PROTECT GROUNDWATER QUALITY**

Watermaster actively participates in and comments on plans to improve or modify the three landfills within the Basin. In the past year, Watermaster intervened to limit the depth of organic materials in landfills to maintain separation from the groundwater. Watermaster also regularly inspects the landfills to ensure operations are consistent with regulatory permits and protect water quality.

### **TRACK GROUNDWATER FLOW AND CONTAMINANT MIGRATION**

Watermaster ensures that pumping and underground water flows don't spread contamination by entering extensive groundwater level and quality data into its 3D groundwater computer model. It then simulates the movement of water and contaminants and develops both proactive and remedial actions to protect water quality and supply.

### **UPDATE THE FIVE-YEAR WATER QUALITY AND SUPPLY PLAN**

Each year, Watermaster updates its detailed Five-Year Plan, which provides current information on water supply and quality, projected changes in the coming five years, and a plan to maintain and improve water quality and supply throughout the Basin.

### **COORDINATE PUBLIC HEALTH GOAL REVIEWS FOR PRODUCERS**

Watermaster coordinates Public Health Goal reviews and hearings for ten Producers in the Basin. The State requires water systems that have more than 10,000 customers to conduct these reviews every three years. The reviews identify contaminants associated with health risks and appropriate technologies to treat them, and provide estimates of costs to bring contaminant levels down to Public Health Goal levels.

# “Waters That Connect Us” Campaign

*Watermaster launched a major outreach program in 2019 to educate the public on water concepts and how the Basin works, and to tell the story of decreasing water levels, increasing drought conditions, and how everyone has a role in ensuring a long-term, reliable water supply.*

## START BY GAINING BUY-IN FROM KEY STAKEHOLDERS

Watermaster initiated the program by reaching out to the Producers, Imported Water Suppliers, and Responsible Parties to gain buy-in and partnership on conveying its story. Watermaster will work with knowledge leaders (museums, libraries, colleges, professors, and experts), as well as community and civic organizations, to expand the messaging.

## FIRST, FIND OUT WHAT THE PUBLIC BELIEVES AND KNOWS

Watermaster started the program by conducting surveys to understand public perceptions about water and their understanding of Watermaster and the Basin. Watermaster also held public focus group sessions in both English and Spanish to gain additional insights. This was followed by an extensive phone survey to gauge interest in and knowledge of the Basin and water supply.

### Highlights of What We Learned:

- Most people do not understand much about the Basin, regardless of where they live, their age, or their culture.
- People do support preparing for next drought before it begins.
- People don't know that the Basin hasn't recovered from the last drought.
- When it comes to messages about the local water supply, people put the most trust in objective experts, which includes their local water provider.

## “THE WATERS THAT CONNECT US” PLAN:

2019	2020	2021
Design and develop Say hello to the water industry partners	Say hello to the community and build knowledge of basics Build trust by being consistent, relatable, and relevant	Amplify messaging with partners

**Developed New Logo and Tagline** to spark interest and engage people.



**Produced Short Videos** for engagement.



# Communicates Critical Water Issues

## THIS YEAR: SAY HELLO TO COMMUNITY AND BUILD KNOWLEDGE OF BASICS



**Distributed 12-Part Email Series** on the Basin, our community, and how to preserve water for generations to come.

**Designed Fact Sheets** on water and the Basin to further educate the public.



**Created Social Media Posts** for broader scale and ongoing connection.

**Built New Website** for visual interest and interactive engagement with videos, etc.

*The goal is to help the public understand critical regional water issues, including how the watershed and Basin work together, what makes the Basin unique, and why a wet year in Northern California does not necessarily translate into robust water supplies in the Basin.*



# Admin. & Financial Management

*Keeping costs down and working efficiently is an ongoing focus of Watermaster.*

## EFFECTIVE ADMINISTRATION, OPERATIONS, AND FINANCE

### TOTAL OF ADMINISTRATIVE AND IN-LIEU ASSESSMENTS REMAINS UNCHANGED

*The Administrative Assessment was increased \$2 per acre-foot and the In-Lieu Assessment decreased \$2 per acre-foot. As a result, the total cost for these two assessments remains unchanged.*

**Administrative Assessment.** The Administrative Assessment was raised by \$2 to \$17 per acre-foot for 2019–20 production. The assessment had been held unchanged for seven years due to various cost-control measures, including contained legal expenses and increased in-house technical capabilities which lowered consulting engineering costs. This year's increase was needed to cover costs of PFAS and PFOS testing.

**In-Lieu Assessment.** The In-Lieu Assessment was decreased \$2 to \$8 per acre-foot on all production. This Assessment is used to manage accounting for the cooperative water exchange agreement, which required less funding.

### RESOURCE DEVELOPMENT ASSESSMENT (RDA) INCREASED AS SCHEDULED

As planned, the RDA increased from \$105 per acre-foot for 2018–19 production to \$140 per acre-foot this year (fiscal year 2019–20). Over 80,000 acre-feet of water has been purchased with RDA funding.

### SHARED BENEFITS BY PROVIDING CONTRACT MANAGEMENT FOR OTHER AGENCIES

Watermaster manages and administers seven other agencies under contract, providing all parties with economies of scale, cost savings, and enhanced opportunities to collaborate.

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

### 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 in order to prepare the Three-Year Plan, including Replacement Water obligations, the RDA, the in-lieu program, and the OSY.

### AWARD FOR LOW INSURANCE CLAIMS

Watermaster earned the Association of California Water Agencies/Joint Powers Insurance Association President's Special Recognition Award for achieving a low ratio of "Paid Claims and Case Reserves" in all Liability, Property, and Workers' Compensation programs.

# Looking Ahead to the Coming Year

*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. The Lower Area surplus credit is one important issue that we propose to work on with our partners in the coming year.*

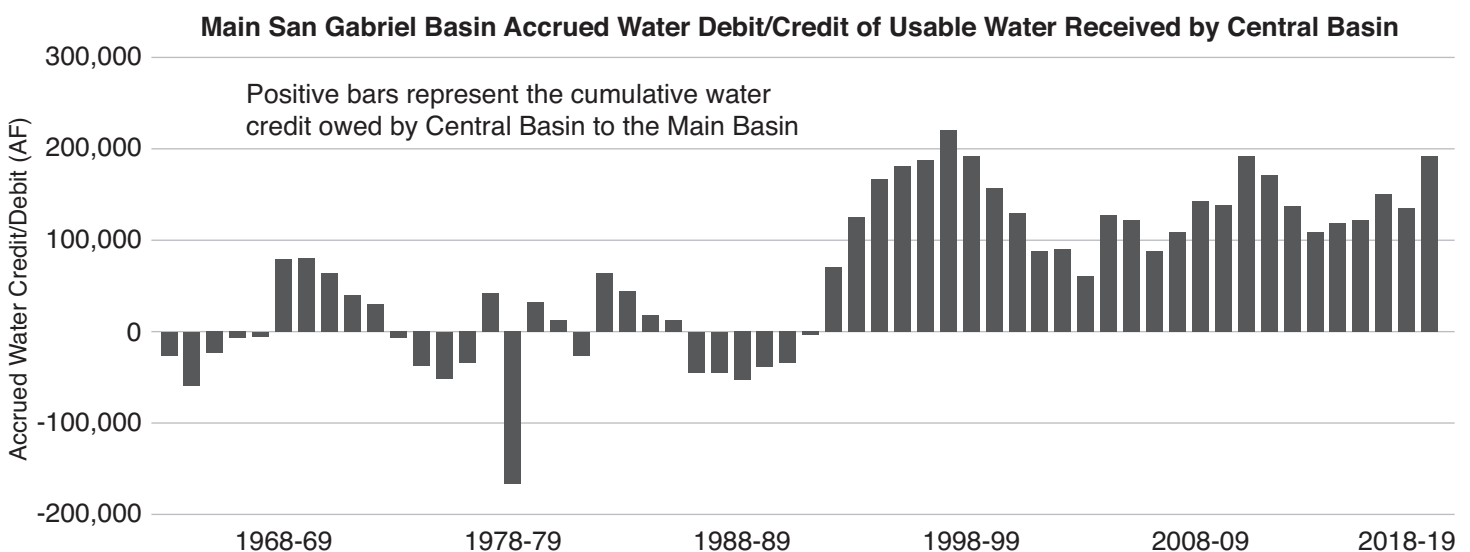
## REBALANCING THE CENTRAL BASIN SURPLUS CREDIT

The legal Judgment that governs use of water in the Main San Gabriel Basin requires that the Lower Area (Central Basin), which lies below Whittier Narrows, receive 50% of the usable water from the Upper Area (Main San Gabriel Basin). That water is received by the Lower Area in two ways:

1. Underground flow of water that percolates into the ground.
2. Surface water released from Canyon reservoirs into the Rio Hondo River that flows into the Lower Area.

**Over Time, the Lower Area Has Received 192,000 Acre-Feet Above Its Entitlement.** The share of water received by the Lower Area is accounted for by the San Gabriel River Watermaster. It has determined that the cumulative surplus has reached 192,600 acre-feet. There has been a consistent surplus in favor of the Lower Area every year since the 1992–93 water year.

**Managing the Future by Learning from the Past.** The only way to balance the amount of water received by the Lower Area is to adjust the amount of surface water that is released from San Gabriel Canyon reservoirs and allowed to flow down to the Lower Area. A proposal on balancing the credit will be brought to the San Gabriel River Protective Association Distribution Committee for consideration in the coming year.



*In 2018–19, the Lower Area's entitlement was 68,000 acre-feet, yet it received 124,546 acre-feet of usable water from the Main Basin—over 56,000 acre-feet more than its entitlement. Options to address this situation will be brought forward by Main San Gabriel Basin Watermaster.*

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Status of Section 28 Applications .....	<b>N</b>
Summary of Treatment Facility Activity.....	<b>O</b>
History of Annual Watermaster Assessments.....	<b>P</b>
Water Resources Development Assessment Accounting to each Responsible Agency ..	<b>Q</b>
Administration Budget 2020-2021 .....	<b>R</b>
Audit of Financial Statements .....	<b>S</b>





**APPENDIX A**

**SUMMARY OF WATERMASTER ACTIONS**  
**FISCAL YEAR 2019-2020**



## **APPENDIX A**

### **CHRONOLOGICAL SUMMARY OF WATERMASTER ACTIONS FISCAL YEAR 2019-2020**

#### **Cyclic Storage**

On July 3, 2019, Watermaster authorized execution of an amendment extending the cyclic storage agreement with Valley County Water District for five years, through July 3, 2024.

On October 2, 2019, Watermaster authorized the establishment of an individual producer cyclic storage account with a 500-acre-foot limit for the City of El Monte.

On October 2, 2019, Watermaster authorized the purchase of 5,000 acre-feet of cyclic storage water from Upper San Gabriel Valley Municipal Water District (USGVMWD) for City of Arcadia's individual producer cyclic storage account.

On November 6, 2019, Watermaster authorized execution of an amendment extending the cyclic storage agreement with San Gabriel Valley Municipal Water District (SGVMWD) for five years, through November 6, 2024.

On December 11, 2019, Watermaster authorized the purchase up to 5,200 acre-feet of cyclic storage water from USGVMWD for California Domestic Water Company's individual producer cyclic storage account.

On March 4, 2020, Watermaster authorized execution of an amendment extending the cyclic storage agreement with Vulcan Materials Company for five years, through March 4, 2025.

On April 1, 2020, Watermaster authorized execution of an amendment extending the cyclic storage agreement with Sterling Mutual Water Company for five years, through April 30, 2025.

On May 13, 2020, Watermaster authorized the purchase of 145.40 acre-feet of cyclic storage water from USGVMWD for United Rock Products Corporation's individual producer cyclic storage account.

On June 3, 2020, Watermaster authorized the purchase of 5,000 acre-feet of cyclic storage water from USGVMWD for San Gabriel Valley Water Company's individual producer cyclic storage account.

#### **Governmental Executive Retirement Plan**

On July 3, 2019, Watermaster adopted Resolution No. 07-19-298 approving and adopting the Governmental Executive Retirement Plan.

On June 3, 2020, Watermaster adopted Resolution No. 06-20-302 approving and adopting the Governmental Executive Retirement Plan.

#### **MWD Cyclic Purchase Agreement**

On July 3, 2019, Watermaster authorized a five-year extension to the Metropolitan Water District of Southern California (MWD) Cyclic Storage Agreement (11<sup>th</sup> Amendment).

On October 2, 2019, Watermaster authorized the amount of water stored and the extension to the MWD Cyclic Storage Agreement (11<sup>th</sup> Amendment).

#### **Contract Renewal**

On July 3, 2019, Watermaster authorized a one-year contract extension of the existing Title 22 Laboratory Contract with Weck Laboratories.

On May 13, 2020, Watermaster authorized a one-year contract extension of the Golden Meters Agreement.

## **Public Health Goals**

On August 7, 2019, Watermaster conducted a public hearing to discuss Public Health Goals established for drinking water by California Environmental Protection Agency (Cal-EPA). There being no comments offered, Watermaster closed the comment period and the public hearing.

## **Waiver of Assessments**

On September 11, 2019, a Public Hearing was held to consider a request for waiver of assessments from Covina Irrigating Company (CIC). Watermaster approved the waiver of all Assessments on 23.36 acre-feet for CIC.

## **Association of Water Agencies (ACWA) Region 8 Board Ballot**

On September 11, 2019, Watermaster approved the ACWA Region 8 Nominating Committee's Recommended Slate and authorized the Executive Officer to execute and return the completed ballot to ACWA no later than September 30, 2019.

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

On October 2, 2019, Watermaster received and filed the Three-year Purchased Water Plan as presented.

## **Audit Report**

On October 2, 2019, Watermaster received and filed the audit report as presented by Clifton Larson Allen.

## **Cash Investment Policy**

On October 2, 2019, Watermaster reaffirmed its Cash Investment Policy.

## **Election of Producer Nominees for Watermaster for Calendar Year 2020**

On November 6, 2019, Watermaster held its annual election of Producer nominees. Producers elected Dan Arrighi, Ron Bow, David De Jesus, Benjamin Lewis Jr., David Michalko, and Lynda Noriega. USGVMWD submitted the names of Dr. Anthony Fellow and Charles Trevino. SGVMWD submitted the name of Steven T. Placido. The Court subsequently approved these nominations.

## **Annual Report Completed**

During October 2019, in accordance with Section 36 of the Judgment, Watermaster prepared the Annual Report and filed it with the Court and Parties by November 1, 2019.

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

On November 6, 2019, the Executive Officer reported that in fiscal year 2018-19 Watermaster collected funds from the RDA, for a total of \$19,735,063.30. Watermaster authorized the Executive Officer to make the appropriate purchases for reliability storage water supply. The estimated requirement for delivery during fiscal year 2019-20 from USGVMWD is 20,056 acre-feet; from TVMWD is 1,455 acre-feet; and from SGVMWD is 3,240 acre-feet for a total RDA delivery of 24,751 acre-feet.

## **Replacement Water**

On November 6, 2019, Watermaster authorized the purchase of 15,182.68 acre-feet of Replacement Water from the appropriate Responsible Agencies for overproduction from the Basin during Fiscal Year 2018-19.

## **Election of Watermaster Officers**

On January 8, 2020, Watermaster held the annual election of officers. Lynda Noriega was elected as Chair, David Michalko as Vice-Chair, Dan Arrighi as Secretary, and Ron Bow as Treasurer.



## **Five-Year Plan**

Following a public hearing on January 8, 2020, Watermaster adopted the Draft Five-Year Water Quality and Supply Plan (Five-Year Plan), which was received by Watermaster on November 6, 2019.

## **Replacement Water/Surcharge Accounting**

On January 8, 2020, Watermaster received and filed the Replacement Water/Surcharge Accounting. Watermaster readjusted the appropriate Producer production rights for Fiscal Year 2019-20 and requested TVMWD to deliver 90.07 acre-feet of water at the 2019 rate of \$731.00 per acre-foot from its cyclic storage account or transferred from the water pre-delivered during calendar year 2019; and USGVMWD to deliver 359.54 acre-feet of water at the 2019 rate of \$834.00 per acre-foot from its cyclic storage account or transferred from the cyclic water delivered as part of the 2019 letter agreement.

## **Watermaster Committee Assignments**

On February 5, 2020, Watermaster adopted recommendations for 2020 Watermaster Committee Assignments and representatives to outside organizations as presented. (Table 1)

## **Puente Valley Operable Unit Water Production Agreement**

On February 5, 2020, Watermaster authorized the Executive Officer to sign the Shallow Zone–South Water Production Agreement between Northrup Grumman and Watermaster after supplemental modifications were made to the Shallow Zone–South Water Production Agreement originally presented and approved on June 5, 2019.

## **Rules and Regulations Related to Watermaster Business Activities**

On March 4, 2020, Watermaster approved Resolution No. 03-20-299, thereby amending and readopting the Rules and Regulations to extend cyclic storage terms for Responsible Agencies from five to ten years.

## **Regional Recycled Water Program**

On April 1, 2020, Watermaster authorized the Executive Officer to collaborate with USGVMWD and TVMWD to finalize a Letter of Intent to participate in the Regional Recycled Water Program.

## **Administration Budget**

On April 1, 2020, Watermaster received and filed the Preliminary Draft Administration Budget for FY 2020-21 and Assessments for FY 2019-20 production.

## **Operating Safe Yield**

On May 13, 2020, Watermaster conducted a public hearing and approved Resolution No. 05-20-300 establishing the Operating Safe Yield at 150,000 acre-feet for Fiscal Year 2020-21, 130,000 acre-feet for subsequent four years.

## **Watermaster Assessments and Administration Budget**

On May 13, 2020, Watermaster approved Resolution No. 05-20-301, thereby adopting the Administration Budget for Fiscal Year 2020-21 in the amount of \$4,736,725. The Administration Assessment was set at \$17.00 per acre-foot, the In-Lieu Assessment was set at \$8.00 per acre-foot, and the Water Resource Development Assessment was set at \$140 per acre-foot on Fiscal Year 2019-20 Production and \$175.00 per acre-foot on Fiscal Year 2020-21 Production. The Replacement Water Assessment for Fiscal Year 2019-20 and Fiscal Year 2020-21 was set at \$200.00 and \$200.00 per acre-foot, respectively, for excess production within SGVMWD; at \$855.00 and \$877.00 per acre-foot, respectively, for excess production within TVMWD; at \$958.00 and \$980.00 per acre-foot, respectively, for excess production within USGVMWD.

## **Watermaster Presented, Interviewed, Hosted**

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 to the Monrovia Rotary Club on Basin Conditions. (October 29, 2019)
- Participated in the Asian Media Outreach event organized by the SGVMWD. (July 27, 2019)
- Partnered with Tom Love on a presentation to the Council of Governments (COG) Water Committee regarding Basin conditions, operations and imported water supplies. (June 9, 2020)

### **INTERVIEWED**

- Executive Officer interviewed by Times Reporter, Bettina Boxall regarding Basin conditions and the topic of drought in the San Gabriel Valley. (May 19, 2020)

### **ORGANIZED/HOSTED/FACILITATED**

- Hosted the quarterly California Groundwater Coalition meeting. The group discussed current legislation as well as a discussion with Nancy Vogel, Director of the Governor's Water Portfolio Program. (August 6, 2019)
- The Administration Manager coordinated Watermaster's "Great Shake Out" event for emergency and disaster response. (October 17, 2019)
- Organized and participated in the Association of Ground Water Agencies/American Ground Water Trust Annual Conference in Ontario. The event featured speakers from a wide variety of disciplines including stormwater capture, groundwater treatment technologies and regulatory compliance. (February 19 - 20, 2020)
- Facilitated the San Gabriel Valley Water Forum partnership meeting that included discussion on consultant contracts and partnership funding. The event was scheduled for April 16, 2020 in San Gabriel. (September 16, 2019)

### **PARTICIPATED IN/ATTENDED**

#### **Conferences/Workshops/Roundtables/Trainings/Focus Groups**

- American Water Works Association's (AWWA's) Women's Leadership Training at the Chino Basin Conservation District. (September 10, 2019)
- Southern California Water Utilities Association (SCWUA) Vendors Fair. (September 12, 2019)
- Groundwater Resources Association (GRA) Water Congress in Sacramento. (September 17-19, 2019)
- Waterfest Annual event hosted by USGVMWD and Los Angeles County Department of Parks and Recreation. (October 13, 2019)
- Great Shake Out exercise with the City of Azusa. (October 18, 2019)
- PFAS workshop at Water Replenishment District (WRD). (November 18, 2019)
- Watermaster staff attended the Fall ACWA Conference in San Diego. Staff divided time between current issues facing California such as sustainable groundwater management, water quality, legal affairs and legislation. (December 3-6, 2019)
- ACWA Conference in San Diego. (December 3-6, 2019)
- PFAS Workshop at Orange County Water District. (January 22, 2020)
- Focus Groups reviewing the "Waters that Connect Us" with members of the Board and Ad Hoc Committee. (February 5 & 11, 2020)
- California Groundwater Coalition and Groundwater Resources Association (CGC/GRA) Legislative Symposium in Sacramento. (March 10-11, 2020)
- USGVMWD Producers Meeting. (April 8, 2020)
- San Gabriel Mountains National Monument Community Collaborative. (May 28, 2020)

- Round-table discussion with the Bureau of Reclamation regarding groundwater basin management. (June 3, 2020)
- MWD's Board Workshop on the Regional Recycled Water Program. (July 23, 2020)
- California Foundation on the Environment and the Economy (CEFEE) Conference in San Diego on long term water sustainability discussions across a wide range of stakeholders. (November 21-22, 2020)

#### Tours/Trips

- Regional Recycled Water Advanced Purification Center. (September 12, 2019)
- MWD Diamond Valley Lake Inspection Trip at the invitation of Director Trevino. They toured the project site, pumping plant and also the San Jose nature reserve created through the project approval process. (February 6, 2020)
- Basin tour, which included an overview of the USG-3 MWD connection in the San Gabriel Canyon, brief look at the dams, including Morris, San Gabriel and Santa Fe. (August 29, 2020)
- MWD Inspection Trip to Hoover Dam on the invitation of Upper District. (October 18-20, 2020)

#### Court Hearings

- Participated in Congresswoman Grace Napolitano's local public hearing on Water Resources Development Act (WRDA) 2020. I provided testimony on how Watermaster and the Main Basin work cooperatively with County and Army Corps to coordinate water deliveries and spreading operations. (March 6, 2020)

#### Other Meetings

- San Gabriel Valley Water Briefing hosted by Assemblywoman Blanca Rubio. (July 18, 2019)
- San Gabriel Mountains National Monument Community Collaborative where the group discussed how the collaborative can bring together the various stakeholders and assist the Forest Service. (July 25, 2019)
- San Gabriel Valley Council of Governments (SGVCOG) Twitter Chat discussing water conservation in the San Gabriel Valley. (July 30, 2019)
- Central & Upper MWD legislative caucus at Upper District. (July 31, 2019)
- Meeting with representatives of Six Basin's to discuss the San Gabriel Valley Water Association's (SGVWA's) letter regarding HR 2215. (Thursday, August 15, 2019)
- Briefing with Congresswoman Grace Napolitano at Upper District regarding the needs of the San Gabriel Valley. (August 26, 2019)
- Meeting with the City Manager for the City of Glendora to discuss various topics including SGVWA, RDA and overall Basin management strategies. (August 27, 2019)
- Safe Clean Water LA webinar as an appointed Committee member. (August 27, 2019)
- Call with representatives from the Sanitation District and Council of Governments regarding a proposed Enhanced Watershed Management Plan (EWMP) project for MS4 compliance. (August 30, 2019)
- Meeting with the COG Water Committee and Congresswoman Napolitano to discuss her proposed legislation HR 1497, the Water Quality Protection and Job Creation Act of 2019, where she is seeking to create funding streams through budget appropriations to address stormwater and sanitary sewer reclamation projects, pilot programs, and funding for the State Revolving Fund. (September 3, 2019)
- Meeting with MWD regarding a proposed Letter of Intent (LOI) to participate in the Project. Their Board has already approved an LOI with the City of LA and they believe to support interest in moving the project forward, gathering LOI's from agencies along the path would help motivate approval. (September 4, 2019)
- Call with COG and Sanitation District staff regarding a proposed project to capture low flows in the San Gabriel Valley for MS4 compliance. (September 9, 2019)
- Conference call with Valley County Water District (VCWD) and a local project proponent investigating a potential groundwater infiltration project for stormwater compliance. (September 19, 2019)
- First stakeholder meeting for the new Los Angeles County - Measure W, Safe, Clean Water Program. (October 22, 2019)

- Meeting with EPA Representatives to discuss the El Monte Operable Unit and upcoming modifications to the remedy. (November 12, 2019)
- San Gabriel Valley Water Forum partners meeting. The date will be April 16, 2020, and the meeting included panel topics and speakers. (November 18, 2020)
- Meeting with Los Angeles County Public Works and Flood Control District on current and potential projects to enhance stormwater capture and conservation within the Basin. (January 7, 2020)
- Meeting with the Water Quality Authority on a Basin contaminant model they have developed. (January 14, 2020)
- Three Valleys Municipal Water District Leadership Breakfast featuring a presentation from Randall Nudek of MWD on the Delta Conveyance project. (January 30, 2020)
- Central Basin's MWD Caucus at Upper District. Discussion included MWD programs aimed at reducing groundwater decline, and conservation. (February 5, 2020)
- Economic Partnership meeting featuring a legislative update from Senator Portantino. (February 7, 2020)
- Meeting with representatives from MWD and the Responsible Agencies to discuss their cyclic storage accounts with Watermaster, and also the Letter of Interest on the Regional Recycled Water Program. (February 13 and 27, 2020)
- Meeting with the San Gabriel Valley Protective Association regarding sharing of water along the river. (February 24, 2020)
- Public Water Agency Group meeting at Rowland Water district where they discussed current issues in the water industry, legislative activities and emergency preparedness. (February 26, 2020)
- Meeting with House Committee on Water and the Environment of the House Transportation and Infrastructure Committee to discuss "Concepts for the Development of a New Water Resources Development Act." (March 6, 2020)
- Meeting with Regional Water Quality Control Board to discuss tentative waste discharge requirements San Gabriel Valley Water Company's (SGVWC) stakeholder meeting on its B6 Demonstration project through Prop 1. (March 12, 2020)
- Meeting with Regional Water Quality Control Board to discuss tentative waste discharge requirements related to Vulcan Materials Company's Durbin Landfill. (March 25, 2020)
- Upper District Producer Meeting where they provided an update on MWD rates and projections going forward in light of the Executive Orders restricting water shut-offs. (April 8, 2020)
- Call with LA County Parks regarding the assessment protest letter they filed last year. (April 21, 2020)
- Regional Board's "Safer Advisory Group" discussing California's water plan. (April 30, 2020)
- Meeting with participants in the regional stormwater capture White Paper. (May 28, 2020)
- San Gabriel District Board meeting via video conference. The Board adopted a resolution to help minimize the impacts of transfers and leases within their service area. (June 8, 2020)
- Field meeting with representatives from Los Angeles County Parks Department regarding their use of water from the Whittier Narrows Operable Unit for Legg Lakes and its relationship to Mission Creek Outflow. (June 18, 2020)
- Meeting with Los Angeles County Public Works, and representatives from the COG Water Committee to help clarify the definition of "new water" as a scoring component of the Measure W projects. (June 22, 2020)
- Call with San Gabriel Valley Water Company in consideration of some operational changes to improve BPOU contaminant capture and treatment. (June 24, 2020)

### **Multiple Meetings Throughout the Year**

- California Groundwater Committee (CGC) Watermaster Executive Director was re-elected to be Executive Secretary/Treasurer for another 2-year term. Watermaster was reconfirmed as the financial agent for the CGC. (December 3, 2019 and May 5, 2020)
- Groundwater Replenishment Coordinating Group (GRCG). (July 23, 2019; November 19, 2019; March 24, 2020; May 19, 2020)
- MWD Carson Project Meetings. (September 4, 2019; December 4, 2019; April 23, 2020; May 28, 2020; June 25, 2020)
- San Gabriel Valley Municipal Water District (SGVMWD). (January 13, 2020; April 13, 2020)
- Organized and hosted the Annual and Organizational Meetings of the San Gabriel Valley Protective Association (SGVPA) and participate in other meetings. (March 9, 2020; February 24, 2020; April 20, 2020)
- San Gabriel River Water (SGRW) Committee. (July 16, 2019; October 15, 2019; January 21, 2020)
- Spadra Basin Groundwater Sustainability Agency (GSA). (August 5, 2019; November 4, 2019; June 1, 2020)
- Los Angeles County West Fork Work Group. (October 30, 2019; April 22, 2020)

### **Regular Ongoing Meetings Throughout the Year**

- Central Basin Water Association. (monthly)
- Groundwater Replenishment Coordinating Group (GRCG). (monthly)
- San Gabriel Valley Water Association (SGVWA). (monthly)
- Greater Los Angeles County Integrated Regional Water Management (GLAC IRWM) (regarding Prop 1 funding). (August 28, 2019; September 26, 2019; May 27, 2020; May 15, 2020)
- Baldwin Park Operable Unit (BPOU) meetings. (August 20, 2019; September 12, 2019; December 12, 2019; March 12, 2020; June 11, 2020)
- El Monte Operable Unit (EMOU) meetings. (July 16, 2019; October 30, 2019; February 25, 2020)
- Puente Valley Operable Unit (PVOU) meetings. (May 19, 2020; December 10, 2019; August 27, 2019)
- South El Monte Operable Unit (SEMOU) meetings. (January 23, 2020; April 21, 2020; On May 21, 2020)
- Safe Clean Water LA Steering Committee (Rio Hondo, Upper San Gabriel River). Appointed by Los Angeles County Supervisors to Upper San Gabriel River and Rio Hondo WASCs. (November 6, 2019; December 11, 2019; January 15, 2020; January 16, 2020; January 29, 2020; January 30, 2020; February 10, 2020; February 12, 2020; February 24, 2020; February 26, 2020; May 4, 2020; May 6, 2020; May 18, 2020)
- San Gabriel Mountains Community Collaborative. (SGMCC) Meetings. (July 25, 2019; September 26, 2019; January 23, 2020; March 26, 2020; May 28, 2020)
- San Gabriel Valley Council of Governments (SGV COG) meetings, including the Water Committee and Energy, Environment and Natural Resources Committee. (July 9, 2019; October 16, 2019; November 20, 2019; December 10, 2019; January 14, 2020; May 12, 2020; May 20, 2020)
- Three Valleys Municipal Water District (TVMWD) meetings. (September 4, 2019; October 2, 2019; December 18, 2019; April 15, 2020; June 3, 2020; June 17, 2020).





**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 the Main San Gabriel Basin Watermaster (Watermaster) to manage the water supply and water quality of the Main San Gabriel Basin. The 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: Very Low (Pursuant to document entitled "2019 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 on September 30, 1944. 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 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 but the average over the past ten years is only 14.11 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 these adjoining 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, peaking at about 242,900 acre-feet in fiscal year 2012-13 and falling to about 192,600 by fiscal year 2019-20). 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, which 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 program to deliver untreated imported water to the Main San Gabriel Basin to supplement stormwater runoff replenishment. The RDA program delivered about 22,000 acre-feet to the Main San Gabriel Basin during fiscal year 2019-20 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 2019-20 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 2019-20 of 150,000 acre-feet, while the annual pumping production in 2019-20 was approximately 183,300 acre-feet. Consequently, the Replacement Water obligation including withdrawal from producer cyclic storage, was about 37,200 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 undertakes many initiatives to address water shortages. These include:

1. Maintaining a low Operating Safe Yield (OSY).
2. Establishing a reliability storage program with a target reserve of 100,000 acre-feet of untreated imported water (RDA I).
3. 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).
4. Implementing a new assessment to pay for these two programs.
5. Collaborating on the Metropolitan Water District (MWD) Regional Recycled Water Program, which is planned to deliver large amounts of highly treated recycled water into the Basin to supplement imported supplies and decreased local runoff in dry years.
6. Looking into imported Colorado River water on a limited basis for additional supply; and
7. Expanding retail conservation outreach.

## **PRODUCTION AND REPLENISHMENT FOR 2019-20**

Management efforts are being made to ramp down pumping and 2019-20 groundwater production was approximately 183,300 acre-feet. This was higher than the OSY for 2019-20 at 150,000 acre-feet. After considering the use of carry-over rights for some of the production, about 37,200 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” above. Nonetheless, in 2018 the groundwater elevation at the well was 169 feet, which represents a historic low.

Consequently, Watermaster implemented a series of actions described above to ensure reliable water supplies and to maintain Basin groundwater levels, which have risen to 203 feet and are again within the operating guidelines for the Key Well.

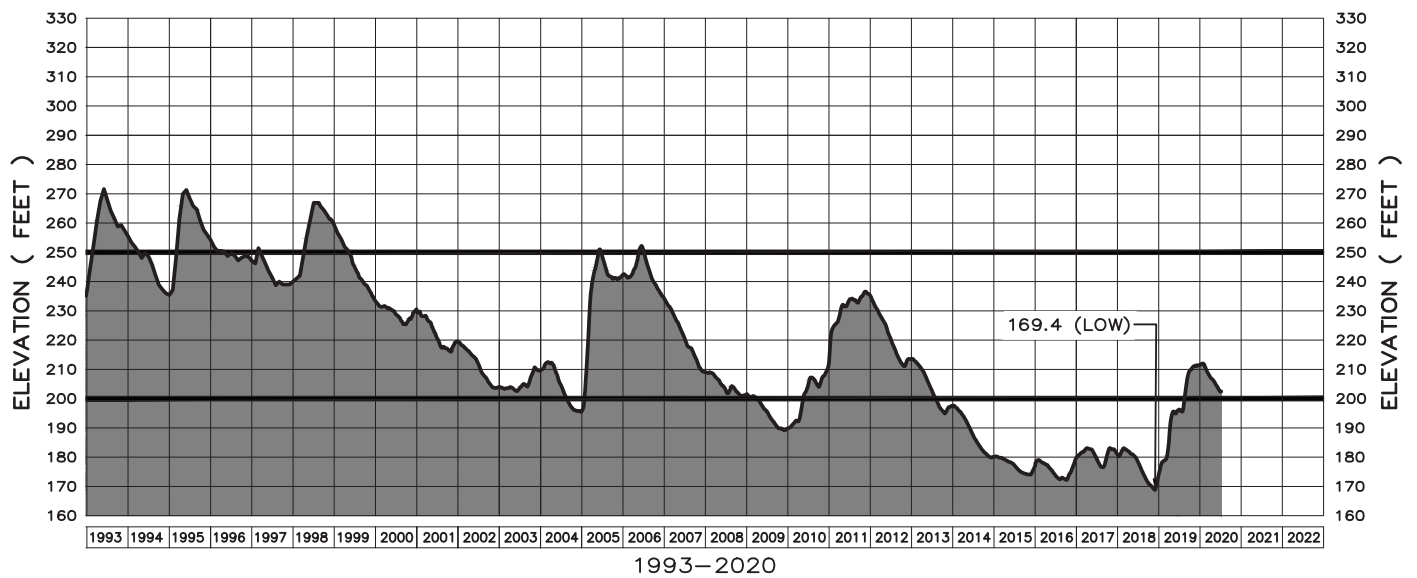
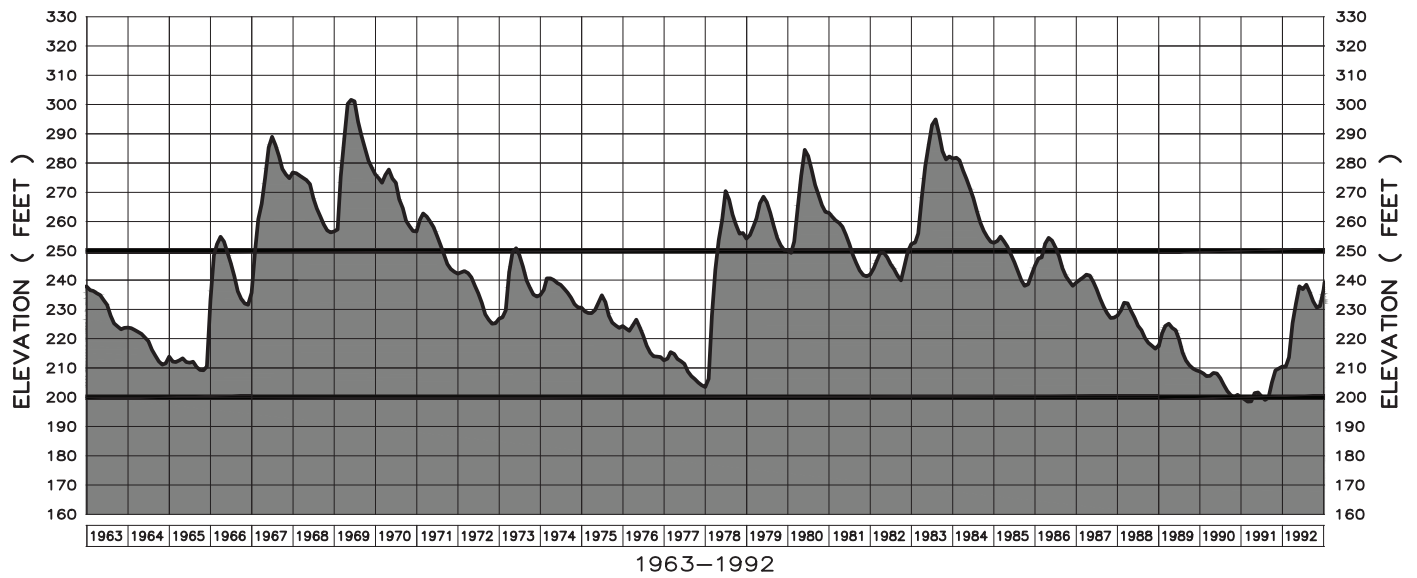
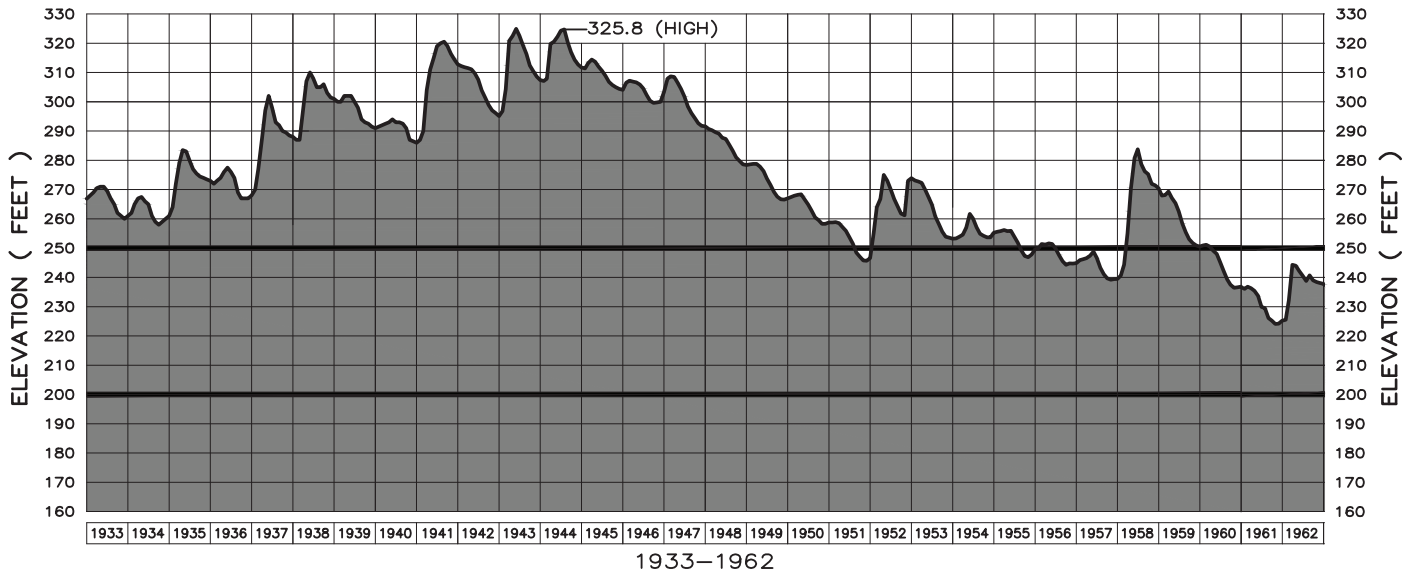
Overall, the management structure has been effective in its ability to work collaboratively with overlapping agencies and basins (e.g., through the Long Beach Judgment and through joining regional and statewide drought and water supply programs).

**APPENDIX C**

**HYDROGRAPH OF BALDWIN PARK KEY WELL**

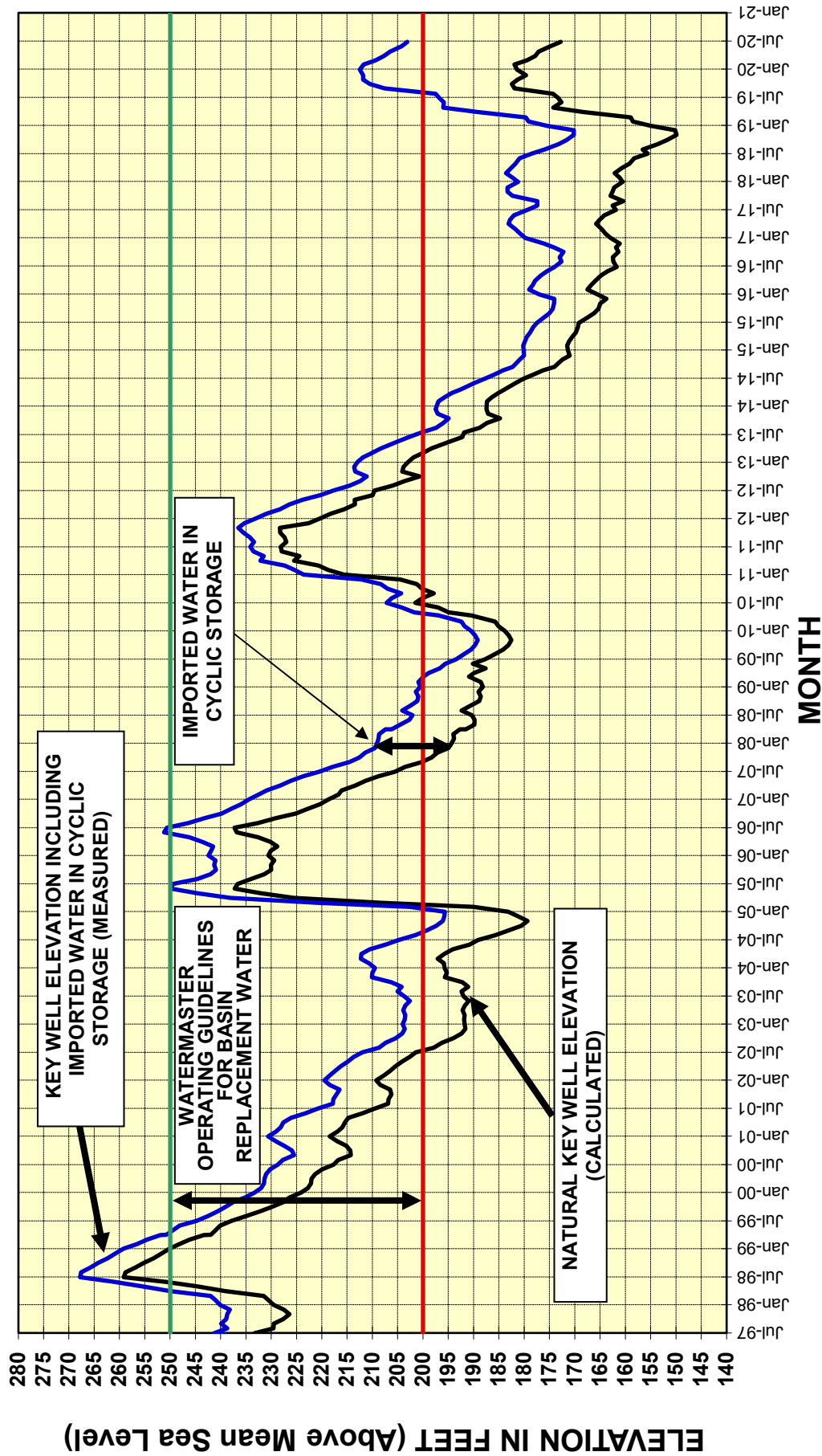


# APPENDIX C HYDROGRAPH OF BALDWIN PARK KEY WELL



NOTE: GROUND SURFACE ELEVATION 386.7 FEET  
HISTORIC RECORDED HIGH 329.1 FEET MAY 19, 1916  
HISTORIC RECORDED LOW 169.4 FEET NOVEMBER 21, 2018





## MAIN SAN GABRIEL BASIN WATERMASTER

### BALDWIN PARK KEY WELL GROUNDWATER ELEVATION



**APPENDIX D**

**PUENTE NARROWS WATERMASTER REPORT**



April 15, 2020

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

RE: Puente Narrows Underflow, Fiscal Year 2019-20

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 2019-20. 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 2019 were collected on October 3, 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. The field measurements of the water levels at the upstream well, 2S/10W-9Q, and downstream well, 2S/10W-8E3, for Spring 2020 were collected on April 9, 2020 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 2019 and Spring 2020 static water levels at the key wells, the subsurface flow was determined to be 945 acre-feet for fiscal year 2019-20, 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 Karger  
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 2019-20 (ACRE-FEET)
<b><u>FALL 2019</u></b>									
2S/10W-9Q <sup>1</sup>	10/3/2019	371	29.6	341.4					
2S/10W-8E3	10/3/2019	327	45.3	281.7	59.7	7,700	0.00775	311.6	--
<b><u>SPRING 2020</u></b>									
2S/10W-9Q <sup>1</sup>	4/9/2020	371	28.5	342.5					
2S/10W-8E3	4/9/2020	327	42.2	284.8	57.7	7,700	0.00749	313.7	--
TOTAL:								625.3	
AVERAGE:								312.7	945 <sup>2</sup>

<sup>1</sup> 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.

<sup>2</sup> 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	+18,616
2019-20	27,840	945	41,941	0	0	41,941	--

**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
2018-19	108	103	5	0	0	0	4,880	+13,736	+18,616

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

Note: Fiscal year 2019-20 adjustment to subsurface flow was not made due to incomplete data. The adjustment will be included in the Spring 2021 measurements.



**APPENDIX E**

**ANNUAL IMPORTED WATER DELIVERIES  
AND  
CYCLIC STORAGE**



**APPENDIX E**  
**ANNUAL IMPORTED WATER**  
**DELIVERIES AND CYCLIC STORAGE**  
**(ACRE-FEET)**

Fiscal Year	End of Year Basin Cyclic Storage	Imported Water Deliveries to Basin 1/			
		USGVMWD	SGVMWD	TVMWD	Total
1963-64	--	--	--	464.90	<b>464.90</b>
1964-65	--	10,000.00	--	1,371.20	11,371.20
1965-66	--	15,000.00	--	1,244.60	16,244.60
1966-67	--	20,000.00	--	803.00	20,803.00
1967-68	--	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	--	<b>248.10</b>	3,381.00
1972-73	--	7,316.20	--	717.90	8,034.10
1973-74	--	9,019.30	--	445.60	9,464.90
1974-75	<b>44.90</b>	34,219.10	832.00	780.60	35,831.70
1975-76	19,638.10	21,006.90	8,275.00	3,312.30	32,594.20
1976-77	22,412.62	14,138.60	7,530.00	6,139.90	27,808.50
1977-78	7,451.89	19,656.70 2/	5,586.00	6,732.50	31,975.20
1978-79	9,003.85	29,600.10 2/	6,968.00	6,123.60	42,691.70
1979-80	6,070.45	10,871.00	1,064.00	6,901.60	18,836.60
1980-81	4,709.33	7,510.50	<b>0.00</b>	9,288.00	16,798.50
1981-82	5,358.21	47,650.10	1,798.00	10,576.10	60,024.20
1982-83	9,924.64	33,406.60	2,221.00	6,925.40	42,553.00
1983-84	9,926.56	11,523.60	79.00	10,021.20	21,623.80
1984-85	9,096.65	10,025.20	66.00	11,651.00	21,742.20
1985-86	52,615.82	60,625.70	5,457.00	10,651.50	76,734.20
1986-87	78,261.54	53,777.30	12,598.00	12,142.90	78,518.20
1987-88	80,084.74	47,481.00	9,827.00	15,218.00	72,526.00
1988-89	76,351.40	51,304.00	6,714.00	13,705.90	71,723.90
1989-90	65,579.15	46,709.20	14,764.00	17,509.40	78,982.60
1990-91	47,439.62	57,035.20	10,508.00	16,531.80	84,075.00
1991-92	36,536.60	44,945.60	8,903.00	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	<b>23,132.40</b>	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	166,667.15 5/	56,195.20	15,539.00	25,990.76	97,724.96
2019-20	<b>225,525.04</b> 6/	<b>83,381.00</b>	15,137.00	<b>39,814.30</b>	<b>138,332.30</b>
TOTALS	--	1,796,402.79	502,820.00	700,434.47	2,999,657.26

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.

6/ Includes 12,756.00 acre-feet of RDA water and 9,565.68 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	<b>30,000.00</b>	--	--	--	--	--	--	--	<b>30,000.00</b>
1968-69	20,608.70	--	--	<b>92.00</b>	--	--	--	--	20,700.70
1969-70	<b>0.00</b>	--	--	326.70	--	--	--	--	326.70
1970-71	0.00	--	--	205.10	--	--	--	--	<b>205.10</b>
1971-72	2,915.50	--	--	217.40	--	--	--	--	3,132.90
1972-73	<b>7,087.60</b>	--	--	<b>228.60</b>	--	--	--	--	<b>7,316.20</b>
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/	<b>0.00</b>	--	--	--	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	<b>0.00</b>	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	<b>0.00</b>	--	--	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	<b>3,751.30</b>	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	<b>1,716.10</b>	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	<b>24,616.20</b>	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	<b>48,069.20</b>	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	<b>0.00</b>	--	34,779.20
2014-15	0.00	0.00	2,711.70	6,357.70	4,031.54	29,809.36	<b>5,000.00</b>	--	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	<b>35,786.60</b>	0.00	<b>4,713.00</b>	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	14,854.60	20,624.00	0.00	15,297.00	56,195.20
2019-20	0.00	0.00	2,983.20	3,042.70	<b>57,299.10</b>	0.00	0.00	<b>20,056.00</b>	<b>83,381.00</b>
TOTALS	135,719.70	537,837.76	128,382.60	271,957.90	433,124.24	227,421.89	7,034.70	54,924.00	1,796,402.79

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 7/	536.90	6,764.00	42,010.20	49,235.34
2018-19	0.00	5,000.00 7/	0.00	0.00	19,854.60	69,089.94
2019-20	359.54 9/	5,600.00 10/	8,200.00	0.00	54,339.56	123,429.50
TOTALS	232,088.26	30,600.00	111,942.48	11,264.00	123,429.50	--

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.

9/ Includes 359.54 acre-feet of WM Replacement Water Surcharge.

10/ Transfer of 5,600 acre-feet from San Gabriel District's Cyclic Storage Account to Upper District/MWD's Cyclic Storage Account.

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	--	<b>0.00</b>	--	--	--	5,586.00
1978-79	--	4,112.25	1,303.79	--	1,551.96	--	--	--	6,968.00
1979-80	--	<b>0.00</b>	1,064.00	--	0.00	--	--	--	1,064.00
1980-81	--	0.00	<b>0.00</b>	--	0.00	--	--	--	<b>0.00</b>
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	<b>0.00</b>	--	--	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	<b>1,402.99</b>	--	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	--	<b>16,815.60</b>	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	--	<b>22,426.22</b>	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	<b>23,132.40</b>
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	--	<b>2,471.00</b>	15,539.00
2019-20	--	0.00	1,115.73	--	14,021.27	0.00	--	<b>0.00</b>	15,137.00
TOTALS	--	246,881.09	45,529.56	--	204,783.35	0.00	0.00	5,626.00	502,820.00

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 <sup>1/</sup>	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	<b>44.90</b>
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	--	--	<b>1,170.88</b>	--	-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	<b>13,100.00</b>	-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	<b>11,962.12</b>	<b>37,808.88</b>
2007-08	0.00	--	--	0.00	12,712.67	<b>-11,933.60</b>	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	<b>0.00</b>	--	0.00	-961.80 2/	-3,643.89	2,957.99
2015-16	0.00	5,000.00	--	0.00	<b>0.00</b>	2,354.05	5,312.04
2016-17	0.00	5,000.00	<b>264.60</b>	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	<b>15,320.61</b>	5,000.00	<b>3,374.00</b>	0.00	0.00	-4,979.64	12,018.79
2019-20	12,182.68	<b>5,600.00</b>	635.00	0.00	0.00	-3,126.41	8,892.38
TOTALS	58,836.33	30,600.00	5,531.00	2,764.46	109,221.18	8,892.38	--

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	--	--	--	<b>248.10</b>	--	--	--	--	<b>248.10</b>
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	--	<b>0.00</b>	--	--	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	--	<b>0.00</b>	--	7,984.30	<b>25,077.10</b>	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	<b>0.00</b>	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	--	<b>5,583.60</b>	--	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	--	<b>23,083.90</b>	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	<b>0.00</b>	--	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	<b>0.00</b>	22,564.60
2018-19	--	0.00	--	19,534.26	2,126.50	<b>3,220.00</b>	0.00	1,110.00	25,990.76
2019-20	--	90.07 7/	--	20,309.50	17,959.73	0.00	0.00	<b>1,455.00</b>	<b>39,814.30</b>
TOTALS	--	25,297.77	--	538,900.67	125,446.93	7,690.00	0.00	3,099.10	700,434.47

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 <sup>1/</sup>	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	<b>0.00</b>	3,800.00	--	--	<b>21,277.10</b>	21,277.10
1992-93	0.00 2/	4,933.50 2/	--	--	<b>-16,196.00 1/</b>	5,081.10
1993-94	0.00	2,000.00	--	--	-2,000.00	3,081.10
1994-95	0.00	<b>0.00</b>	--	--	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	<b>2,886.90</b>	5,335.00	--	--	-8,221.90	5,166.20
2009-10	32.55	998.50	--	--	396.75	5,562.95
2010-11	0.00	<b>15,849.50 3/</b>	--	--	-3,584.90	<b>1,978.05</b>
2011-12	2,299.65	3,949.50	--	--	6,622.25	8,600.30
2012-13	63.30	2,569.00	<b>2,521.00</b>	--	4,945.50	13,545.80
2013-14	479.00 4/	1,300.00	<b>0.00</b>	--	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	<b>264.60</b>	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	<b>3,374.00</b>	-1,247.50	14,827.30
2019-20	0.00	0.00	0.00	635.00	17,324.73	<b>32,152.03</b>
TOTALS	11,652.60	58,590.30	2,521.00	5,531.00	32,152.03	--

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 Storage.

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.

7/ Includes 90.07 AF of WM Replacement Water Surcharge

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 San Gabriel Valley District Cyclic Storage	Transfer from Watermaster Pre-Purchase Account	Withdrawals	Cyclic Storage At End Of Year
1983-84	0.00	1,573.60	--	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	5,700.00	--	4,331.64	1,368.36
1998-99	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	3,200.00	--	2,859.66	1,708.70
1999-00	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	3,800.00	--	3,663.84	1,844.86
2000-01	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	3,800.00	--	2,825.02	2,819.84
2001-02	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	7,100.00	--	6,450.10	3,469.74
2002-03	0.00	0.00	--	0.00	0.00	0.00	0.00	--	0.00	0.00	0.00	8,300.00	--	5,948.75	5,820.99
2003-04	0.00	10,000.00	--	0.00	10,000.00	0.00	0.00	--	0.00	0.00	0.00	9,800.00	--	8,870.23	6,750.76
2004-05	0.00	0.00	--	7,031.99	2,968.01	0.00	1,800.00	--	1,800.00	0.00	0.00	13,100.00	--	9,904.94	9,945.82
2005-06	0.00	9,000.00	--	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	1,400.00	--	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	5,050.67	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	1,900.00	32,023.17	27,656.71	1,000.00	0.00	800.00	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	1,000.00	15,830.75	24,435.96	500.00	0.00	350.00	1,346.07	2,606.47	0.00	0.00	--	2,334.17	5,217.70
2016-17	35,786.60	5,313.40	359.00	17,528.34	48,366.62	2,777.00	0.00	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	14,833.70	24,510.41	42,462.81	670.00	0.00	594.14	2,899.57	1,079.70	0.00	0.00	--	0.00	2,970.74
2018-19	20,624.00	0.00	156.64 10/	21,225.60	42,017.85	3,220.00	0.00	90.07 10/	2,080.56	2,309.21	0.00	0.00	--	0.00	2,970.74
2019-20	10,145.50 11/	3,200.00	0.00	20,399.21	34,964.14	0.00	0.00	0.00	1,514.64	794.57	0.00	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.
- 11/ Pre-purchased by Producers of 5,145.40 AF was applied in FY 19-20, but will be deducted in UD/MWD Cyclic Storage account in FY 20-21.
- 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		Cyclic Storage At End Of Year	Deliver/Transfer from Three Valleys District	Transfer to Three Valleys District Producers		Deliver/Transfer from San Gabriel District	Transfer to San Gabriel District Producers	
		Cyclic Storage	Transfer to RDA /III Account			Cyclic Storage	Transfer to RDA /III Account		Cyclic Storage	Transfer to RDA /III Account
2011-12				0.00						0.00
2012-13	2,034.70	<b>0.00</b>	<b>0.00</b>	2,034.70	<b>2,521.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
2013-14	<b>0.00</b>	0.00	0.00	2,034.70	479.00	361.96	0.00	0.00	0.00	0.00
2014-15	5,000.00	1,900.00	0.00	5,134.70	<b>0.00</b>	<b>800.00</b>	0.00	0.00	0.00	0.00
2015-16	4,500.00	1,000.00	0.00	<b>8,634.70</b>	0.00	350.00	0.00	0.00	0.00	0.00
2016-17	0.00	565.00	0.00	8,069.70	0.00	0.00	0.00	0.00	0.00	0.00
2017-18	<b>6,764.00</b>	<b>14,833.70</b>	0.00	<b>0.00</b>	0.00	594.14	<b>670.00</b>	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
2019-20	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, 2018	136,056
2.	Amount of Make-up Water delivered during water year 2018-19	
	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, 2018	136,056
4.	Credit for Water Year 2018-19	<u><u>56,546</u></u>
5.	Accrued Credit of Upper Area as of September 30, 2019	192,602
6.	Required Make-up Water obligation to be delivered during Water Year 2019-20	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
2018-19	0	0	0	-	-	-	-	0
TOTALS	178,884	54,671	233,555	36,748	115,310	15,883	167,941	401,496
56-Year Average	3,194	976	4,171	656	2,059	284	2,999	7,170

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		2019-20 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

#### 9447 San Gabriel Canyon LLC

VIET TEM	8000191	2.11	0.48	2.10	1.26	5.95
	TOTAL	2.11	0.48	2.10	1.26	5.95

#### Alhambra, City of

7	1903097	0.00	0.00	0.00	0.00	0.00
MOELR (8)	1900010	540.22	473.56	51.25	349.77	1,414.80
9	1900011	2.02	1.64	1.74	2.26	7.66
10	1900012	0.00	0.00	0.00	0.00	0.00
11	1903014	108.77	118.07	3.27	5.22	235.33
12	1900013	2.10	1.78	1.90	2.12	7.90
13	1900014	108.53	39.06	23.01	80.53	251.13
14	1900015	315.64	34.42	0.00	0.00	350.06
15	1900016	418.08	439.71	414.89	324.75	1,597.43
1 LON	1902789	407.91	402.36	342.10	367.75	1,520.12
2 LON	1900017	0.00	27.56	499.62	511.70	1,038.88
	TOTAL	1,903.27	1,538.16	1,337.78	1,644.10	6,423.31

#### Amarillo Mutual Water Company

SOUTH	1900791	91.53	4.59	1.46	0.00	97.58
NORTH	1900792	0.10	46.70	0.00	0.00	46.80
	TOTAL	91.63	51.29	1.46	0.00	144.38

#### Arcadia, City of

1 L.O.	8000127	0.00	0.00	13.57	12.37	25.94
1 LON	1901013	347.59	164.13	115.70	262.73	890.15
1 PEC	1902854	1,341.41	1,052.43	1,048.92	1,148.46	4,591.22
2 BAL	1902791	0.00	0.00	0.00	0.00	0.00
2 LON	1901014	0.00	0.00	0.00	0.00	0.00
2 STJ	8000177	0.00	0.00	0.00	0.00	0.00
3 CAM	8000213	1,072.14	1,086.68	1,047.72	1,046.98	4,253.52
3 LONG	8000214	660.15	349.61	297.30	504.02	1,811.08
SM	8000193	0.00	0.00	0.00	0.00	0.00
	TOTAL	3,421.29	2,652.85	2,523.21	2,974.56	11,571.91

#### Arcadia Reclamation

--	8000229	22.75	11.16	8.58	13.51	56.00
	TOTAL	22.75	11.16	8.58	13.51	56.00



Producer's Name and Well Identification Number		2019-20 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	354.49	298.71	0.00	0.00	653.20
2	1902457	333.69	241.53	524.42	388.97	1,488.61
3	8000086	749.23	519.22	369.92	713.12	2,351.49
4	1902458	484.50	112.97	258.70	509.09	1,365.26
5	1902533	386.35	371.70	369.38	362.53	1,489.96
6	1902535	43.94	0.08	0.39	4.99	49.40
7	1902116	0.66	0.21	72.57	5.21	78.65
8	1902115	1.19	25.84	64.11	72.77	163.91
10	8000103	25.31	27.69	21.21	34.65	108.86
11	8000178	529.38	504.03	386.84	492.94	1,913.19
12	8000179	559.24	367.80	526.06	358.64	1,811.74
DIV EFF	1902118	2,050.17	1,709.71	989.44	1,545.65	6,294.97
VUL	1903119	7.13	8.73	5.29	7.06	28.21
TOTAL		5,525.28	4,188.22	3,588.33	4,495.62	17,797.45

**Banks, Gale & Vicki**

--	1900415	13.04	2.87	3.00	7.74	26.65
TOTAL		13.04	2.87	3.00	7.74	26.65

**California-American Water Company  
Duarte System**

BACON	1900497	1.05	0.45	0.03	0.10	1.63
B-V	1900355	255.69	1.01	0.00	0.50	257.20
B-V2	8000216	36.58	0.34	43.30	190.28	270.50
CR HV	1903018	646.50	513.43	0.49	40.63	1,201.05
DIV 2	1900360	31.84	2.62	0.00	0.00	34.46
ENCTO	8000139	31.53	210.65	63.11	344.44	649.73
FISH C	1900358	0.00	0.00	0.00	0.00	0.00
LAS L 2	8000140	168.10	41.94	438.19	336.26	984.49
STA FE	1900354	117.85	21.99	0.00	0.00	139.84
WILEY	1902907	572.76	561.11	537.23	532.43	2,203.53
LEMON	8000237	137.61	70.03	64.35	49.03	321.02
TOTAL		1,999.51	1,423.57	1,146.70	1,493.67	6,063.45

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

DELMAR	1903059	311.72	298.49	292.98	72.53	975.72
GRAND	1900926	0.00	0.00	1.51	264.99	266.50
HALL-2	8000175	483.81	316.27	340.38	472.16	1,612.62
HOWL	1902424	238.79	21.01	0.00	0.00	259.80
LONG	1900935	0.00	0.00	0.00	0.00	0.00

Producer's Name and Well Identification Number		2019-20 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total

MAR-3	1903019	378.44	146.47	270.86	425.16	1,220.93
MISVW	1900920	0.00	0.00	45.18	340.31	385.49
ROSE	1900927	0.00	0.00	0.00	0.00	0.00
RIC-3	8000222	653.75	663.15	499.36	0.00	1,816.26
ADA-3	8000182	0.00	0.00	0.00	0.00	0.00

TOTAL		2,066.51	1,445.39	1,450.27	1,575.15	6,537.32
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**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	931.54	619.86	527.22	0.00	2,078.62
2A	8000236	0.00	0.00	0.00	906.34	906.34
3	1903057	1,690.21	1,640.69	1,670.02	1,725.28	6,726.20
6	1902967	242.41	18.16	6.01	436.14	702.72
8	1903081	944.80	199.04	46.55	224.69	1,415.08
5A	8000100	1,369.65	1,195.07	1,283.70	1,233.67	5,082.09
10	8000223	357.01	56.04	9.64	744.03	1,166.72
SGVWC	8000227	873.70	965.78	1,116.43	873.02	3,828.93
PBWA/RO	8000224	0.00	-465.82	-516.57	-129.25	-1,111.64
TOTAL		6,409.32	4,228.82	4,143.00	6,013.92	20,795.06

**Carrier Corporation**

--	--	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	0.00	0.00	0.00	0.00

**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	0.02	0.03	0.02	0.02	0.09
E02R	8000165	0.27	0.29	0.27	0.26	1.09
E03R	8000162	0.01	0.01	0.01	0.01	0.04
E04R	8000166	0.07	0.08	0.08	0.07	0.30
E05R	8000163	0.13	0.15	0.12	0.14	0.54
E06R	8000167	0.04	0.04	0.04	0.04	0.16
E07R	8000164	0.27	0.27	0.25	0.27	1.06
E08R	8000168	0.10	0.11	0.10	0.10	0.41
E16A	8000153	0.16	0.16	0.15	0.15	0.62
E17A	8000154	0.78	1.17	1.07	1.07	4.09
E18A	8000155	0.14	0.15	0.14	0.13	0.56

Producer's Name and Well Identification Number		2019-20 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
E19A	8000156	0.19	0.25	0.21	0.23	0.88
E20A	8000173	0.21	0.19	0.23	0.19	0.82
EX 1	8000141	0.08	0.12	0.09	0.08	0.37
EX 2	8000142	0.02	0.05	0.04	0.02	0.13
EX 3	8000143	0.01	0.01	0.01	0.00	0.03
EX 4	8000144	0.00	0.00	0.00	0.00	0.00
WRP FL E	--	0.00	0.00	0.00	0.00	0.00
TOTAL		2.50	3.08	2.83	2.78	11.19

**Covina Irrigating Company**

1 BAL	1900885	523.96	67.01	401.15	1.61	993.73
2 BAL	1900883	46.70	3.58	11.68	0.60	62.56
3 BAL	1900882	738.96	160.73	172.13	1.77	1,073.59
NP EFFL	1900884	1,665.63	1,005.85	934.69	1,263.98	4,870.15
SP EFFL	1900884	1,619.75	1,145.72	798.73	1,662.81	5,227.01
PMSGV-2	--	-1,832.23	-1,669.38	-1,189.99	-2,404.25	-7,095.85
TOTAL		2,762.77	713.51	1,128.39	526.52	5,131.19

**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	30.00	23.00	19.00	26.00	98.00
TOTAL		30.00	23.00	19.00	26.00	98.00

**East Pasadena Water Company, Ltd.**

9	1901508	10.56	125.01	16.65	25.77	177.99
11	8000217	484.48	273.54	331.25	381.95	1,471.22
TOTAL		495.04	398.55	347.90	407.72	1,649.21

**El Monte, City of**

4	1901694	0.00	0.00	0.00	0.00	0.00
10	1901699	178.93	172.29	120.01	123.05	594.28
12	1903137	20.66	4.07	3.66	25.69	54.08
13	8000101	0.00	0.00	0.00	0.00	0.00
2A	1901692	223.42	115.37	121.04	199.37	659.20
14	8000231	66.69	55.90	57.04	52.11	231.74
15	8000232	58.88	63.49	64.83	59.23	246.43
16	8000233	107.66	111.72	113.87	104.13	437.38
TOTAL		656.24	522.84	480.45	563.58	2,223.11

Producer's Name and Well Identification Number		2019-20 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	0.19	0.14	0.28	0.24	0.85
	TOTAL	0.19	0.14	0.28	0.24	0.85

**Glendora, City of**

2-E	1901526	103.21	109.59	4.62	71.76	289.18
5-E	8000149	727.58	491.72	441.49	619.49	2,280.28
8-E	1900829	552.33	387.05	312.61	419.75	1,671.74
9-E	1900830	595.27	411.44	341.33	458.17	1,806.21
10-E	1900828	12.22	34.74	1.54	1.79	50.29
11-E	1900826	19.58	3.11	3.01	3.04	28.74
12-E	1900827	1,040.38	796.51	695.36	945.32	3,477.57
13-E	8000184	301.63	32.54	6.08	111.59	451.84
	TOTAL	3,352.20	2,266.70	1,806.04	2,630.91	10,055.85

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

ART-2	1902152	0.00	0.00	0.00	0.00	0.00
ART-3	1902842	0.06	0.05	0.00	0.00	0.11
BAS-3	1902148	1.03	0.39	0.00	0.00	1.42
BAS-4	1902149	0.00	0.00	0.00	0.00	0.00
COL-4	1902268	0.00	0.15	0.02	0.00	0.17
COL-6	1902270	0.00	0.00	0.00	0.00	0.00
CITY	1902286	67.23	27.39	0.00	60.26	154.88
GOLF	1902157	0.00	0.00	0.00	0.00	0.00
HWY	1902150	1.83	3.43	5.05	4.86	15.17
HWY-2	8000212	8.64	15.54	132.52	29.46	186.16
MALON	1902287	65.75	120.70	118.37	74.02	378.84
	TOTAL	144.54	167.65	255.96	168.60	736.75

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

1 ENC	1902024	217.56	192.17	143.02	117.43	670.18
1 FAR	1902034	132.82	23.52	86.31	131.46	374.11
1 PER	1902027	38.42	13.49	3.13	6.02	61.06
1 S G	1900510	396.03	383.58	357.94	366.46	1,504.01
2 ENC	1902035	162.25	178.12	275.34	187.62	803.33
2 FAR	1902948	13.61	23.51	8.99	39.71	85.82
2 S G	1900511	118.74	106.67	106.41	107.38	439.20
3 ENC	8000073	99.82	68.13	2.33	169.25	339.53
3 GAR	8000221	135.37	83.84	81.88	118.73	419.82
3 SAX	1900514	1.54	0.12	1.11	0.00	2.77
4 JEF	8000111	235.88	201.38	76.96	108.49	622.71
4 SAX	8000146	0.55	1.79	0.82	0.00	3.16
	TOTAL	1,552.59	1,276.32	1,144.24	1,352.55	5,325.70

Producer's Name and Well Identification Number		2019-20 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	--	5.01	8.06	9.28	12.13	34.48
DEW	--	0.00	0.00	0.00	0.00	0.00
TOTAL		5.01	8.06	9.28	12.13	34.48

**Hanson Aggregates West, Inc.**

1 EL	1901492	25.82	21.85	21.21	7.70	76.58
3 EL	1901493	34.49	23.27	21.78	40.56	120.10
4 EL	1903006	0.00	0.00	0.00	0.00	0.00
Temp	--	0.00	0.00	0.00	0.00	0.00
TOTAL		60.31	45.12	42.99	48.26	196.68

**Hemlock Mutual Water Company**

NORTH	1901178	6.83	4.30	5.05	6.11	22.29
SOUTH	1902806	13.04	7.24	8.77	12.39	41.44
TOTAL		19.87	11.54	13.82	18.50	63.73

**Hermetic Seal Corporation**

EW-21/22	--	12.95	13.14	12.73	11.86	50.68
TOTAL		12.95	13.14	12.73	11.86	50.68

**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	517.87	308.63	400.06	118.03	1,344.59 <sup>1/</sup>
TOTAL		517.87	308.63	400.06	118.03	1,344.59

**La Puente Valley County Water District**

2	1901460	569.30	557.57	220.14	50.79	1,397.80
3	1902859	415.48	422.17	153.96	13.09	1,004.70
5	8000209	0.02	0.00	583.80	860.16	1,443.98
SWS	8000176	-568.44	-602.21	-639.46	-544.74	-2,354.85
TOTAL		416.36	377.53	318.44	379.30	1,491.63

**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	333.95	138.69	91.46	206.43	770.53

Producer's Name and Well Identification Number		2019-20 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	7.11	4.61	4.02	4.58	20.32
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)	--	919.60	849.74	840.60	805.93	3,415.87
TOTAL		1,260.66	993.04	936.08	1,016.94	4,206.72

**Molson Coors USA, LLC**

2	8000075	166.03	179.57	217.12	219.23	781.95
TOTAL		166.03	179.57	217.12	219.23	781.95

**Monrovia, City of**

2	1900418	47.13	1.56	3.61	2.30	54.60
3	1900419	505.17	12.52	245.78	575.47	1,338.94
4	1900420	762.63	274.16	331.11	667.26	2,035.16
5	1940104	811.90	673.74	354.84	0.00	1,840.48
6	8000171	48.34	698.92	432.05	446.03	1,625.34
TOTAL		2,175.17	1,660.90	1,367.39	1,691.06	6,894.52

**Monterey Park, City of**

1	1900453	17.00	20.62	22.92	80.62	141.16
3	1900455	76.20	47.54	39.25	123.12	286.11
5	1900457	102.07	85.78	74.02	145.68	407.55
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	3.50	3.04	2.58	112.94	122.06
10	1902818	245.11	122.79	0.00	44.35	412.25
12	1903033	771.00	746.54	772.53	600.52	2,890.59
15	8000196	883.23	792.42	740.34	715.63	3,131.62
FERN	8000126	18.35	24.15	5.74	21.42	69.66
TOTAL		2,116.46	1,842.88	1,657.38	1,844.28	7,461.00

**Moon Valley Nursery of California, Inc.**

5R	1903072	43.45	9.17	10.89	30.43	93.94
TOTAL		43.45	9.17	10.89	30.43	93.94

**Munoz, Ralph**

MUNOZ	8000219	0.90	0.29	0.15	0.02	1.36
TOTAL		0.90	0.29	0.15	0.02	1.36

Producer's Name and Well Identification Number		2019-20 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	0.25	0.00	0.13	0.16	0.54
	TOTAL	<u>0.25</u>	<u>0.00</u>	<u>0.13</u>	<u>0.16</u>	<u>0.54</u>

**Puente Basin Water Agency**

PBWA/RO	8000224	0.00	465.82	516.57	129.25	1,111.64
	TOTAL	<u>0.00</u>	<u>465.82</u>	<u>516.57</u>	<u>129.25</u>	<u>1,111.64</u>

**Rowland Water District**

--	--	0.00	0.00	0.00	0.00	0.00
	TOTAL	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>

**San Gabriel Country Club**

1	1900547	18.71	6.34	5.54	13.14	43.73
2	1902979	90.42	30.32	12.24	58.48	191.46
	TOTAL	<u>109.13</u>	<u>36.66</u>	<u>17.78</u>	<u>71.62</u>	<u>235.19</u>

**San Gabriel County Water District**

9	1902785	399.97	397.80	386.82	373.61	1,558.20
11	8000067	3.51	0.00	0.00	2.94	6.45
12	8000123	322.73	245.35	165.45	224.43	957.96
14	8000133	292.54	231.50	165.34	210.48	899.86
15	8000220	223.79	247.26	164.07	207.30	842.42
	TOTAL	<u>1,242.54</u>	<u>1,121.91</u>	<u>881.68</u>	<u>1,018.76</u>	<u>4,264.89</u>

**San Gabriel Valley Water Company**

1B	1900729	35.63	102.23	1.30	14.80	153.96
1C	1902946	0.00	0.00	0.00	0.00	0.00
1D	8000102	660.40	627.50	910.45	983.30	3,181.65
1E	8000172	467.56	260.61	543.52	885.97	2,157.66
2D	1902857	949.08	814.55	185.87	0.27	1,949.77
2E	8000065	21.36	5.98	1.04	0.21	28.59
2F	8000197	401.07	174.09	30.95	0.16	606.27
8B	1900746	5.58	1.41	2.22	1.63	10.84
8C	1900747	325.54	250.81	348.21	413.00	1,337.56

Producer's Name and Well Identification Number		2019-20 Groundwater Extractions and Surface Diversions (Acre-feet)				
Owner Number	Recordation No.	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
8D	1903103	453.42	343.76	476.08	563.01	1,836.27
8E	8000113	3.38	3.18	6.13	4.39	17.08
8F	8000169	197.70	98.69	13.96	73.22	383.57
11A	1900739	710.38	359.17	502.83	661.79	2,234.17
11B	1900745	1.11	0.74	0.89	1.53	4.27
11C	1902713	22.22	0.54	0.81	0.62	24.19
11D	8000226	226.37	84.20	35.99	118.38	464.94
B1	1902635	0.00	0.00	0.00	0.00	0.00
B4B	1902858	0.00	0.00	0.00	0.00	0.00
B5A	1900718	0.00	0.00	0.00	0.00	0.00
B5B	1900719	1,087.13	1,153.78	1,186.70	1,214.76	4,642.37
B5C	8000112	0.00	0.00	0.00	0.00	0.00
B5D	8000160	6.54	52.47	9.14	9.60	77.75
B5E	8000205	1,157.08	1,163.81	1,178.15	1,583.96	5,083.00 <sup>2/</sup>
B6C	1903093	0.00	0.00	0.00	0.00	0.00
B6D	8000098	0.00	0.00	0.00	0.00	0.00
B7C	8000068	0.00	0.00	0.00	0.00	0.00
B7E	8000122	42.97	9.81	26.92	92.19	171.89
B9B	8000099	68.48	13.13	37.42	140.50	259.53
B11A	1901439	0.00	0.00	0.00	0.00	0.00
B11B	8000108	250.20	110.91	95.35	0.00	456.46
B24A	8000203	8.64	1.10	1.53	1.22	12.49
B24B	8000204	3.12	0.00	0.00	0.00	3.12
B25A	8000187	1,020.13	952.17	987.57	623.64	3,583.51
B25B	8000188	822.95	849.95	953.79	736.16	3,362.85
B26A	8000189	265.29	402.24	0.55	397.52	1,065.60
B26B	8000190	245.83	355.02	0.47	420.75	1,022.07
G4	1900725	60.51	37.06	43.61	72.75	213.93
CDWC	8000227	-873.70	-965.78	-1,114.86	-874.58	-3,828.92
1N/Rurban	1900120	0.00	0.00	0.00	0.00	0.00
2 S/Rurban	20071758-06	0.00	0.00	0.00	0.00	0.00
TOTAL		8,645.97	7,263.13	6,466.59	8,140.75	30,516.44
<b><u>Sierra La Verne Country Club</u></b>						
1	8000124	0.00	0.00	0.00	0.00	0.00
15 Offsite	8000192	0.00	0.00	0.00	0.00	0.00
--	8000193	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	0.00	0.00	0.00	0.00
<b><u>Sierra Madre, City of</u></b>						
	8000193	0.00	0.00	0.00	0.00	0.00
TOTAL		0.00	0.00	0.00	0.00	0.00
<b><u>S. L. S. &amp; N. Inc.</u></b>						
Pit M	8000151	7.75	7.03	5.75	4.35	24.88
TOTAL		7.75	7.03	5.75	4.35	24.88



Producer's Name and Well Identification Number		2019-20 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	17.96	19.49	18.98	17.20	73.63
TOTAL		17.96	19.49	18.98	17.20	73.63

**Southern California Edison Company**

110RH	8000046	0.00	0.00	0.10	0.06	0.16
TOTAL		0.00	0.00	0.10	0.06	0.16

**South Pasadena, City of**

3 WIL	1901682	652.91	577.33	658.52	606.11	2,494.87
4 WIL	1903086	346.97	208.17	68.93	239.52	863.59
GRAV2	1901679	0.00	0.00	0.00	0.00	0.00
TOTAL		999.88	785.50	727.45	845.63	3,358.46

**Sterling Mutual Water Company**

N. SO.	8000132	11.17	9.03	12.16	30.66	63.02
NORTH	1902096	18.31	5.40	2.38	0.00	26.09
TOTAL		29.48	14.43	14.54	30.66	89.11

**Suburban Water Systems**

121W1	8000181	0.00	0.00	0.02	257.20	257.22
139W4	8000069	0.00	0.00	0.00	0.00	0.00
140W5	8000145	0.00	0.13	0.00	0.00	0.13
142W2	8000183	1,137.57	1,154.46	1,132.24	1,134.05	4,558.32
147W3	8000077	0.00	0.00	0.00	0.00	0.00
151W2	8000207	170.34	0.00	208.21	629.31	1,007.86
201W4	1901433	0.00	0.00	0.00	0.00	0.00
201W7	8000195	1,159.77	1,177.53	638.04	298.09	3,273.43
201W8	8000198	266.25	187.81	271.91	632.08	1,358.05
201W9	8000208	1,484.00	1,138.51	958.63	1,353.37	4,934.51
201W10	8000210	1,039.80	627.37	3.10	10.42	1,680.69
LPVCWD	8000176	568.44	602.21	639.46	544.74	2,354.85
VCWD	8000206	96.81	692.93	1,607.85	1,265.31	3,662.90
TOTAL		5,922.98	5,580.95	5,459.46	6,124.57	23,087.96

**Sunny Slope Water Company**

8	1900026	443.27	431.26	353.92	452.34	1,680.79
9	1902792	30.61	3.40	1.71	2.38	38.10
13	8000157	231.92	180.60	90.16	153.73	656.41
TOTAL		705.80	615.26	445.79	608.45	2,375.30

Producer's Name and Well Identification Number		2019-20 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	1.23	1.29	4.99
TOTAL		1.25	1.22	1.23	1.29	4.99

**United Rock Products Corporation**

IRW-1	1900106	133.97	104.17	106.38	122.57	467.09
IRW-2	1903062	0.97	0.01	0.15	0.16	1.29
Pit 2 Pump		10.06	10.46	2.83	8.52	31.87
TOTAL		145.00	114.64	109.36	131.25	500.25

**Valencia Heights Water Company**

Master	8000199	355.88	250.37	223.88	294.84	1,124.97
CIC	--	-180.81	-169.35	-118.51	-118.04	-586.71
TOTAL		175.07	81.02	105.37	176.80	538.26

**Valley County Water District**

ARROW	1900034	6.82	72.18	0.00	0.00	79.00
E MAIN	1900027	501.01	436.08	509.42	443.28	1,889.79
E CL O N	1900032	895.43	600.48	0.00	609.36	2,105.27
LANTE	8000060	72.77	464.94	1,145.73	887.05	2,570.49
SA1-1	8000185	16.60	157.85	455.69	379.20	1,009.34
SA1-2	8000186	0.00	0.00	0.00	0.00	0.00
WMAIN	1900028	238.60	173.03	272.74	202.64	887.01
W CL O N	1902356	472.66	397.43	593.83	503.32	1,967.24
SWS	8000206	-96.81	-692.93	-1,607.85	-1,265.31	-3,662.90
TOTAL		2,107.08	1,609.06	1,369.56	1,759.54	6,845.24

**Valley View Mutual Water Company**

1	1900363	0.00	0.00	0.00	0.00	0.00
2	1900364	156.39	131.06	115.54	149.24	552.23
TOTAL		156.39	131.06	115.54	149.24	552.23

**Vulcan Materials Company**

1 REL	1903088	51.39	32.29	43.71	54.28	181.67
TEMP	--	81.43	75.45	77.66	79.91	314.45
TOTAL		132.82	107.74	121.37	134.19	496.12

Producer's Name and Well Identification Number		2019-20 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	190.44	73.30	0.00	0.00	263.74
15	8000071	361.15	222.42	11.29	291.87	886.73
16	8000110	0.76	0.09	1.14	81.30	83.29
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		552.35	295.81	12.43	373.17	1,233.76

**Workman Mill Investment Company**

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

<b>Grand Total</b>	<b>58,197.52</b>	<b>44,615.20</b>	<b>40,765.53</b>	<b>49,005.41</b>	<b>192,583.66</b>
<b>Surface Water Diversion Total</b>	<b>3,535.16</b>	<b>2,194.52</b>	<b>1,532.87</b>	<b>2,068.19</b>	<b>9,330.74</b>
<b>Groundwater Extraction Total</b>	<b>54,662.36</b>	<b>42,420.68</b>	<b>39,232.66</b>	<b>46,937.22</b>	<b>183,252.92</b>

<sup>1/</sup> Fourth quarter production decreased by 386.11 AF at City of Industry Well 5, as agreed upon by City of Industry and SGVWC.!

<sup>2/</sup> Fourth quarter production increased by 386.11 AF at San Gabriel Valley Water Company Well B5E, as agreed upon by City of Industry and SGVWC.

**APPENDIX H**

**HISTORY OF ANNUAL TOTAL BASIN  
PRODUCTION RIGHTS**

**AND**

**HISTORY OF ANNUAL PRODUCTION**



## APPENDIX H

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

Fiscal Year	Operating Safe Yield	Production Rights	Recorded Production	Replacement Water Requirement	Lost Carryover	Carryover to Next Year
1972-73	--	--	241,097.74	--	--	--
1973-74	226,800	238,132.94	235,460.40	14,518.98	<b>0.00</b>	17,191.52
1974-75	210,000	237,913.46	225,221.86	8,421.93	203.36	20,908.95
1975-76	200,000	231,391.95	242,246.36	24,744.88	131.06	13,759.41
1976-77	150,000	174,193.45	210,340.40	48,650.71	861.12	9,980.67
1977-78	150,000	170,473.30	195,275.53	36,818.25	<b>1,198.54</b>	8,950.93
1978-79	170,000	189,439.67	214,919.54	34,404.83	78.11	<b>6,745.88</b>
1979-80	220,000	237,226.13	223,088.89	9,896.39	81.54	21,960.87
1980-81	230,000	262,445.19	230,832.31	5,477.08	202.89	35,642.01
1981-82	210,000	255,281.37	220,391.54	10,582.35	380.30	43,261.68
1982-83	200,000	253,049.93	209,949.43	3,293.23	304.02	45,378.26
1983-84	230,000	<b>287,394.98</b>	236,679.19	<b>2,151.85</b>	80.10	<b>51,594.26</b>
1984-85	210,000	272,050.01	242,439.63	12,475.69	344.48	40,395.40
1985-86	190,000	240,319.81	246,223.58	34,774.82	198.50	25,403.49
1986-87	200,000	235,923.93	253,633.02	41,828.86	106.93	22,457.73
1987-88	190,000	222,985.31	248,101.54	51,989.89	143.63	21,710.19
1988-89	180,000	214,810.57	253,694.47	59,384.99	61.61	19,741.33
1989-90	180,000	210,268.35	252,135.76	<b>62,582.49</b>	282.28	17,837.99
1990-91	170,000	199,467.55	232,091.44	41,232.39	387.33	18,796.02
1991-92	<b>140,000</b>	<b>169,575.74</b>	221,476.83	31,214.19	345.83	13,478.79
1992-93	180,000	204,009.40	236,677.04	15,858.66	189.05	31,718.29
1993-94	220,000	262,029.85	243,616.55	8,915.59	462.81	50,290.41
1994-95	200,000	260,802.71	243,479.39	30,194.77	1,065.79	44,262.41
1995-96	220,000	274,608.47	268,950.50	32,526.05	737.28	35,484.68
1996-97	210,000	256,011.19	279,481.35	55,236.24	863.84	28,965.55
1997-98	220,000	263,725.27	253,921.28	26,362.42	704.70	34,016.10
1998-99	230,000	277,402.22	265,151.97	30,499.32	124.28	40,633.83
1999-00	220,000	274,824.14	278,687.14	39,961.99	592.51	33,774.80
2000-01	220,000	267,126.29	270,919.13	38,317.35	570.83	32,015.15
2001-02	210,000	258,992.70	264,328.17	40,773.50	532.59	32,833.12
2002-03	190,000	240,450.90	237,490.86	38,519.29	159.50	38,370.38
2003-04	170,000	224,691.75	252,811.50	51,416.73	79.24	24,864.16
2004-05	170,000	219,049.64	247,187.00	41,043.83	53.76	17,684.36
2005-06	<b>240,000</b>	268,418.02	259,807.52	12,065.12	156.28	27,862.73
2006-07	240,000	278,386.20	<b>284,328.04</b>	20,046.64	90.80	29,374.42
2007-08	210,000	249,433.95	258,167.00	28,777.98	182.17	33,902.42
2008-09	180,000	224,028.56	250,102.62	26,634.48	778.21	28,729.17
2009-10	170,000	210,117.25	237,846.31	35,129.38	236.31	20,695.69
2010-11	170,000	201,220.31	227,657.15	33,084.38	167.70	21,657.47
2011-12	210,000	242,181.86	237,028.57	19,685.04	166.96	44,143.15
2012-13	200,000	254,314.47	242,913.84	5,979.45	268.13	42,864.86
2013-14	180,000	233,389.45	240,552.41	3,779.32	377.39	36,753.33
2014-15	150,000	197,280.18 <sup>2/</sup>	208,339.16	12,319.13	419.84 <sup>2/</sup>	35,226.32
2015-16	150,000	195,752.95	<b>182,826.49</b>	6,909.20	284.47	39,299.44
2016-17	150,000	199,994.06	197,243.28	7,526.21	285.56	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	10,747.45	298.63	34,603.48
2019-20	150,000	194,608.18	192,583.66	12,911.67	640.76	36,743.32
Average <sup>1/</sup>	191,847	232,341	237,361	26,217	341	29,713
10-Year Avg.	166,364	210,338	215,150	14,599	299	34,230
5-Year Avg.	150,000	195,415	196,775	10,489	346	35,069

<sup>1/</sup> Average based on 47 years from 1973-74 through 2019-20.

<sup>2/</sup> 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	2015-16	2016-17	2017-18	2018-19	2019-20
9447 San Gabriel Canyon LLC	2.93	3.27	6.37	5.37	5.95
Adams Ranch Mutual Water Co.	37.21	--	--	--	--
Alhambra, City of <sup>1/</sup>	6,352.61	6,240.17	6,633.29	6,432.29	6,423.31
Amarillo Mutual Water Co.	336.50	333.23	335.52	319.96	144.38
Arcadia, City of	9,462.97	10,228.70	12,099.83	10,773.86	11,571.91
Arcadia Reclamation	0.00	0.00	36.43	59.71	56.00
Azusa, City of	6,125.64	6,663.98	7,161.54	6,620.23	6,897.78
Azusa Valley Water Co.	10,446.46	11,230.97	11,963.32	11,109.34	10,899.67
Banks, Gale & Vicki	26.86	32.47	31.42	27.35	26.65
California-American Water Co. (Duarte)	5,096.54	5,507.09	6,159.45	5,583.86	6,063.45
California-American Water Co. (San Marino)	6,056.89	5,952.35	6,771.32	6,767.46	6,537.32
California Country Club	0.00	0.00	0.00	0.00	0.00
California Domestic Water Co.	16,821.21	17,296.79	19,902.54	19,722.22	20,795.06
Carrier Corporation	32.49	19.66	22.44	0.84	0.00
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	90.75	62.51	12.40	0.00	0.00
County Sanitation District No. 18	11.52	20.40	113.94	55.68	11.19
Covina Irrigating Co.	5,741.21	6,859.06	6,032.42	3,814.66	5,131.19
DeFalco, John & Carole	--	0.00	0.00	0.00	0.00
Del Rio Mutual Water Co.	100.00	105.00	111.00	97.00	98.00
Driftwood Dairy	--	--	--	--	--
East Pasadena Water Co., Ltd.	1,241.51	1,310.34	1,570.37	1,648.38	1,649.21
El Monte, City of	2,012.34	2,204.28	2,349.51	2,282.02	2,223.11
Gates, James Richard	0.95	0.87	0.83	0.65	0.85
Glendora, City of	8,731.80	10,001.79	10,798.50	9,383.80	10,055.85
Golden State Water Company (San Dimas District)	2,426.61	2,486.26	2,535.78	1,415.97	736.75
Golden State Water Company (San Gabriel Valley District)	5,092.36	5,232.10	5,423.34	5,108.79	5,325.70
Gould Electronics Inc. and Johnson Controls Inc.	386.79	832.55	919.03	528.37	34.48

Producer Name	2015-16	2016-17	2017-18	2018-19	2019-20
Hanson Aggregates West, Inc.	195.41	167.19	220.73	167.30	196.68
Hemlock Mutual Water Co.	67.93	67.19	71.82	68.62	63.73
Hermetic Seal Corporation	42.30	53.07	53.21	51.55	50.68
Industry Waterworks System, City of	1,243.93	1,235.95	1,314.89	1,158.60	1,344.59
La Puente Valley County Water District	1,436.68	1,402.37	1,535.86	1,645.57	1,491.63
Los Angeles, County of	3,116.10	4,215.97	4,143.69	4,314.41	4,206.72
Molson Coors USA, LLC	330.58	450.86	429.44	488.24	781.95
Monrovia, City of	6,106.12	6,580.52	7,200.05	6,825.43	6,894.52
Monrovia Nursery	--	--	--	--	--
Monterey Park, City of	7,422.41	7,536.12	7,453.81	7,320.96	7,461.00
Moon Valley Nursery of California, Inc.	--	--	29.84	72.72	93.94
Munoz, Ralph	2.69	2.51	2.42	2.13	1.36
Progressive Buddhist Association	--	--	--	0.99	0.54
Puente Basin Water Agency	--	615.99	1,803.95	1,481.04	1,111.64
Rowland Water District	6.86	58.29	30.72	17.54	0.00
Rurban Homes Mutual Water Co.	141.36	143.98	184.14	75.24	--
San Gabriel Country Club	262.72	272.07	257.26	232.07	235.19
San Gabriel County Water District	4,633.76	5,261.75	5,451.14	4,386.27	4,264.89
San Gabriel Valley Water Co.	28,043.66	29,627.89	31,036.73	29,377.73	30,516.44
Sierra La Verne Country Club	4.57	0.00	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.	13.98	25.79	28.48	26.75	24.88
Sonoco Products Co.	88.84	69.42	71.56	83.49	73.63
Southern California Edison Co.	0.62	0.10	0.27	0.02	0.16
South Pasadena, City of	3,302.68	3,451.14	2,620.36	1,949.73	3,358.46
Sterling Mutual Water Co.	100.31	86.77	105.48	80.66	89.11
Suburban Water Systems	24,827.77	28,526.47	29,046.97	25,012.44	23,087.96
Sunny Slope Water Co.	1,999.74	2,180.70	2,251.03	2,436.96	2,375.30
Tran, Hieu	4.99	4.99	4.56	3.76	4.99
United Rock Products Corp.	397.00	300.15	451.85	500.72	500.25
Valencia Heights Water Co.	733.47	639.89	583.71	647.86	538.26
Valley County Water District	6,401.62	6,875.13	7,162.02	6,723.61	6,845.24
Valley View Mutual Water Co.	551.60	527.20	590.50	500.94	552.23
Vulcan Materials Co.	738.62	675.94	716.61	588.68	496.12
Whittier, City of	3,610.47	3,564.03	3,656.01	2,156.28	1,233.76
Workman Mill Investment Co.	363.55	0.00	0.00	0.00	0.00
<b>TOTALS</b>	<b>182,826.49</b>	<b>197,243.28</b>	<b>209,499.70</b>	<b>190,156.12</b>	<b>192,583.66</b>

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





## **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 2019-20 (ACRE-FEET)

Producer Name	Carryover To 2019-20	Fiscal Year 2019-20				
		Production Right	Production	Replacement Water Required	Lost Carry-Over	Carryover To 2020-21
9447 San Gabriel Canyon LLC	0.00	0.55 <sup>1/</sup>	5.95	5.40	0.00	0.00
Alhambra, City of	0.00	6,688.14	6,423.31	2,386.14 <sup>2/</sup>	0.00	0.00
Amarillo Mutual Water Co.	100.86	438.97	144.38	0.00	0.00	294.59
Andrade, Susan	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Arcadia, City of	0.00	6,346.49	11,571.91	0.00 <sup>4/</sup>	0.00	0.00
Arcadia Reclamation, Inc.	44.66	94.66	56.00	0.00	0.00	38.66
Azusa, City of	0.00	664.37	6,897.78	6,233.41	0.00	0.00
Azusa Valley Water Co.	3,375.87	15,097.36	10,899.67	0.00	0.00	4,197.69
Baker, Kathryn W.	0.00	0.00 <sup>3/</sup>	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 <sup>3/</sup>	0.00	0.00	0.00	0.00
Banks, Gale & Vicki	37.38	75.33	26.65	0.00	10.73	37.95
Brea, City of	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Cadway, Inc.	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
California-American Water Co. (Duarte)	0.00	4,955.55	6,063.45	0.00 <sup>4/</sup>	0.00	0.00
California-American Water Co. (San Marino)	0.00	5,548.06	6,537.32	0.00 <sup>4/</sup>	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	21,685.06	20,795.06	0.00	0.00	890.00
Canyon Water Company	1.54	0.33	0.00	0.00	0.00	0.33
Carrier Corporation	0.00	0.00	0.00	0.00	0.00	0.00
Chevron U.S.A.	0.00	1.52 <sup>5/</sup>	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	7.85 <sup>1/</sup>	11.19	3.34	0.00	0.00
Covina, City of	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Covina Irrigating Co.	4,600.86	9,562.06	5,131.19	0.00	0.00	4,430.87
Crevolin, A. J.	0.00	1.71 <sup>5/</sup>	0.00	0.00	1.71	0.00
Dawes, Mary Kay	0.00	0.00 <sup>3/</sup>	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.	15.30	111.34	98.00	0.00	0.00	13.34
East Pasadena Water Co., Ltd.	0.00	1,275.08 <sup>1/</sup>	1,649.21	374.13	0.00	0.00
El Monte, City of	0.00	2,132.03 <sup>1/</sup>	2,223.11	91.08	0.00	0.00
El Monte Cemetery Assn.	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Fox Family Trust, Michael Edward Fox and Crystal Marie Fox, Trustees	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Garnier, A. and A., Family Trust	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Gates, James Richard	0.00	0.00	0.85 <sup>5/</sup>	0.00	0.00	0.00
Glendora, City of	0.00	7,358.26	10,055.85	1,318.60 <sup>4/</sup>	0.00	0.00

Producer Name	Carryover To 2019-20	Fiscal Year 2019-20				
		Production Right	Production	Replacement Water Required	Lost Carry-Over	Carryover To 2020-21
Golden State Water Company (San Dimas District)	758.88	3,868.64	736.75	0.00	22.13	3,109.76
Golden State Water Company (San Gabriel Valley District)	952.41	5,444.68	5,325.70	0.00	0.00	118.98
Gould Electronics Inc. and Johnson Controls Inc.	0.00	0.00	34.48	0.00 <sup>6/</sup>	0.00	0.00
Green, Walter	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Hansen, Alice	0.00	0.57 <sup>5/</sup>	0.00	0.00	0.57	0.00
Hanson Aggregates West, Inc.	71.60	268.01	196.68	0.00	0.00	71.33
Heinrich, Carolyn	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Hemlock Mutual Water Co.	0.00	52.19 <sup>1/</sup>	63.73	11.54	0.00	0.00
Hermetic Seal Corporation	0.00	0.00	50.68	0.00 <sup>7/</sup>	0.00	0.00
Industry Waterworks System, City of Irwindale, City of	869.60 0.00	2,006.75 0.00 <sup>3/</sup>	1,344.59 0.00	0.00 0.00	0.00 0.00	662.16 0.00
JUH#1	0.00	32.00	0.00	0.00	0.00	32.00
Kirklen, Jeffrey B.	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Landeros, John	0.00	0.57 <sup>5/</sup>	0.00	0.00	0.57	0.00
La Puente Valley County Water District	0.00	1,437.24	1,491.63	0.00 <sup>4/</sup>	0.00	0.00
Los Angeles, County of	510.40	2,644.78	4,206.72 <sup>8/</sup>	0.00	0.00	397.92
Loucks, David	0.00	2.28 <sup>5/</sup>	0.00	0.00	2.28	0.00
Maggiore Family Trust, The	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Martinez, Frances Mercy	0.00	0.57 <sup>5/</sup>	0.00	0.00	0.57	0.00
McIntyre, William	22.01	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Metropolitan Water District	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Molson Coors USA, LLC	1,800.71	3,046.42	781.95	0.00	463.76	1,800.71
Monrovia, City of	0.00	6,740.08	6,894.52	0.00 <sup>4/</sup>	0.00	0.00
Monterey Park, City of	0.00	5,088.24	7,461.00	2,372.76	0.00	0.00
Moon Valley Nursery of California, Inc.	0.00	8.29 <sup>1/</sup>	93.94	85.65	0.00	0.00
Munoz, Ralph	0.00	0.00	1.36 <sup>5/</sup>	0.00	0.00	0.00
NCL Co, LLC	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Nicholson Family Trust, The	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Nicholson Family Trust - Marital Trust, The	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Nick Tomovich and Sons	0.00	0.02 <sup>5/</sup>	0.00	0.00	0.02	0.00
Pellissier Irrevocable QTIP Trust, et al., Co-tenancy of Laurence R.	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Phillips, Alice B., et al.	0.88	1.76	0.00	0.00	0.88	0.88
Pico County Water District	0.00	0.57	0.00	0.00	0.00	0.57
Progressive Buddhist Association	0.00	0.12 <sup>1/</sup>	0.54 <sup>5/</sup>	0.42	0.00	0.00
Puente Basin Water Agency	0.00	0.00	1,111.64	0.00 <sup>4/</sup>	0.00	0.00
Rados Brothers	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Rana, Jeanne, Living Trust	0.00	0.00 <sup>3/</sup>	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 <sup>3/</sup>	0.00	0.00	0.00	0.00
Rosemead Development, Ltd.	0.00	0.77 <sup>5/</sup>	0.00	0.00	0.77	0.00
Rowland Water District	0.00	0.00	0.00	0.00	0.00	0.00
Rurban Homes Mutual Water Co.	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Ruth, Roy	0.00	0.57 <sup>5/</sup>	0.00	0.00	0.57	0.00

Producer Name	Carryover To 2019-20	Fiscal Year 2019-20				
		Production Right	Production	Replacement Water Required	Lost Carry-Over	Carryover To 2020-21
San Gabriel Country Club	0.00	217.90 <sup>1/</sup>	235.19	17.29	0.00	0.00
San Gabriel County Water District	709.02	5,404.31	4,264.89	0.00	0.00	1,139.42
San Gabriel Valley Water Co.	0.00	19,128.40	30,516.44	0.00 <sup>4/</sup>	0.00	0.00
Sierra La Verne Country Club	0.00	0.00	0.00	0.00	0.00	0.00
Sierra Madre, City of	0.00	0.00	0.00	0.00	0.00	0.00
S.L.S. & N. Inc.	0.00	0.00	24.88	3.73 <sup>9/</sup>	0.00	0.00
Sonoco Products Company	8.39	79.88	73.63	0.00	0.00	6.25
Southern California Edison Co.	130.35	260.70	0.16	0.00	130.19	130.35
South Pasadena, City of	2,707.80	5,415.60	3,358.46	0.00	0.00	2,057.14
Southwest Water Company	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Sterling Mutual Water Co.	11.63	102.71	89.11	0.00	0.00	13.60
Suburban Water Systems	11,209.94	34,199.85	23,087.96	0.00	0.00	11,111.89
Sunny Slope Water Co.	0.00	1,691.55	2,375.30	0.00 <sup>4/</sup>	0.00	0.00
Tate, Phillip G. & Sieglinde A.	0.00	0.00 <sup>3/</sup>	0.00	0.00	0.00	0.00
Tran, Hieu	0.00	0.00	4.99 <sup>5/</sup>	0.00	0.00	0.00
Tyler Nursery	0.00	2.43 <sup>5/</sup>	0.00	0.00	2.43	0.00
United Rock Products Corp.	0.00	348.80	500.25	0.00 <sup>4/</sup>	0.00	0.00
Valencia Heights Water Co.	0.00	255.28	538.26	0.00 <sup>4/</sup>	0.00	0.00
Valley County Water District	0.00	6,348.01	6,845.24	0.00 <sup>4/</sup>	0.00	0.00
Valley View Mutual Water Co.	76.51	544.05	552.23	8.18	0.00	0.00
Vulcan Materials Co.	169.67	854.22	496.12	0.00	0.00	358.10
Whittier, City of	6,277.48	6,955.27	1,233.76	0.00	0.00	5,721.51
Wilmott, Erma	0.00	0.57 <sup>5/</sup>	0.00	0.00	0.57	0.00
Workman Mill Investment Co.	138.24	105.83	0.00	0.00	0.00	105.83
TOTAL:	34,603.48	194,608.18	192,583.66	12,911.67	640.76	36,743.32

<sup>1/</sup> Includes prior years' Replacement Water credit.

<sup>2/</sup> Computed in accordance with the Cooperative Water Exchange Agreement. See I-4.

<sup>3/</sup> Transferred all production rights.

<sup>4/</sup> Includes Producer Cyclic Storage Water.

<sup>5/</sup> Minimal producer.

<sup>6/</sup> 34.48 AF not subject to assessment.

<sup>7/</sup> 50.68 AF not subject to assessment.

<sup>8/</sup> 1,959.86 AF not subject to assessment.

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

**APPENDIX I  
REPLACEMENT WATER REQUIREMENT  
OF THE CITY OF ALHAMBRA, FISCAL YEAR 2019-20 IN  
ACCORDANCE WITH PARAGRAPH 19 OF THE COOPERATIVE  
WATER EXCHANGE AGREEMENT MAIN SAN GABRIEL BASIN  
DATED MARCH 24, 1975**

	<b><u>(Acre-feet)</u></b>
Total Quantity of Groundwater Produced	6,423.31
Total Quantity of Water Delivered Through USG-5	<u>2,983.20</u>
Total Annual Production	9,406.51
Less: 37.4% of Quantity Through USG-5	1,115.73
Less: Share of Operating Safe Yield	6,688.14
Less: Cyclic Storage Balance	<u>0.00</u>
Replacement Water Requirement for Fiscal Year 2019-20	1,602.64
Carryover Rights to Fiscal Year 2020-21	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	<b>0.00</b>	14,518.98
1974-75	7,119.03	1,302.90	--	8,421.93	0.00	8,421.93
1975-76	20,929.93	3,814.95	--	24,744.88	0.00	24,744.88
1976-77	39,730.07	6,758.08	--	46,488.15	0.00	46,488.15
1977-78	32,836.68	4,112.25	--	36,948.93	0.00	36,948.93
1978-79	31,662.69	2,803.98	--	34,466.67	0.00	34,466.67
1979-80	9,730.00	190.24	--	9,920.24	0.00	9,920.24
1980-81	9,345.96	81.84	--	9,427.80	0.00	9,427.80
1981-82	10,187.66	<b>0.00</b>	--	10,187.66	0.00	10,187.66
1982-83	3,444.55	3,088.68	--	6,533.23	0.00	6,533.23
1983-84	<b>1,907.10</b>	244.75	--	<b>2,151.85</b>	1,573.60	<b>3,725.45</b>
1984-85	4,343.64	8,370.53	--	12,714.17	0.00	12,714.17
1985-86	28,426.92	4,368.59	--	32,795.51	0.00	32,795.51
1986-87	34,297.28	8,018.48	--	42,315.76	0.00	42,315.76
1987-88	42,806.89	9,164.29	--	51,971.18	0.00	51,971.18
1988-89	<b>48,908.58</b>	11,296.63	--	60,205.21	0.00	60,205.21
1989-90	48,120.86	12,783.96	--	<b>60,904.82</b>	0.00	60,904.82
1990-91	30,815.02	10,475.38	<b>0.00</b>	41,290.40	13,112.70	54,403.10
1991-92	19,766.29	11,418.17	0.00	31,184.46	35,916.90	<b>67,101.36</b>
1992-93	7,560.26	8,250.46	0.00	15,810.72	<b>50,031.39</b>	65,842.11
1993-94	3,224.10	5,691.49	0.00	8,915.59	25,422.42	34,338.01
1994-95	18,648.68	11,338.42	0.00	29,987.10	0.00	29,987.10
1995-96	20,853.94	11,672.11	0.00	32,526.05	0.00	32,526.05
1996-97	38,870.11	14,061.60	2,304.53	55,236.24	0.00	55,236.24
1997-98	17,274.86	6,158.61	3,476.70	26,910.17	4,331.64	31,241.81
1998-99	16,959.69	9,286.01	4,253.62	30,499.32	2,859.66	33,358.98
1999-00	20,676.29	13,702.07	<b>5,583.63</b>	39,961.99	3,663.84	43,625.83
2000-01	22,444.18	10,929.17	4,944.00	38,317.35	2,825.02	41,142.37
2001-02	33,611.04	3,938.39	3,224.07	40,773.50	6,450.10	47,223.60
2002-03	36,359.28	672.60	1,487.41	38,519.29	5,948.75	44,468.04
2003-04	48,106.03	500.66	3,428.99	52,035.68	8,870.23	60,905.91
2004-05	40,701.25	0.00	342.58	41,043.83	18,736.93	59,780.76
2005-06	10,510.21	573.59	981.32	12,065.12	6,908.92	18,974.04
2006-07	18,974.53	0.00	1,072.11	20,046.64	7,309.89	27,356.53
2007-08	25,010.62	880.49	2,886.87	28,777.98	9,157.53	37,935.51
2008-09	24,554.11	1,886.58	32.55	26,473.24	30,239.02	56,712.26
2009-10	20,364.85	14,655.86	108.67	35,129.38	14,899.25	50,028.63
2010-11	6,257.20	<b>24,636.20</b>	2,190.98	33,084.38	15,382.66	48,467.04
2011-12	2,999.40	16,269.22	63.30	19,331.92	20,704.45	40,036.37
2012-13	3,000.00	2,734.03	361.96	6,095.99	23,673.25	29,769.24
2013-14	2,983.90	802.72	0.00	3,786.62	36,325.98	40,112.60
2014-15	2,711.70	9,607.43	0.00	12,319.13	33,508.84	45,827.97
2015-16	2,486.50	4,422.70	0.00	6,909.20	19,510.99	26,420.19
2016-17	2,876.47	4,649.74	0.00	7,526.21	24,009.59	31,535.80
2017-18	2,987.20	9,970.92	0.00	12,958.12	27,409.98	40,368.10
2018-19	2,943.90	10,187.68	0.00	13,131.58	24,101.15	37,232.73
2019-20	2,983.20	10,992.31	1,318.60	15,294.11	21,913.85	37,207.96
<b>Totals</b>	<b>895,044.53</b>	<b>307,551.86</b>	<b>38,061.89</b>	<b>1,240,658.28</b>	<b>494,798.53</b>	<b>1,735,456.81</b>
<b>47-Year Average</b>	<b>19,043.50</b>	<b>6,543.66</b>	<b>1,268.73</b>	<b>26,396.98</b>	<b>10,527.63</b>	<b>36,924.61</b>
<b>5-Year Average</b>	<b>2,855.45</b>	<b>8,044.67</b>	<b>263.72</b>	<b>11,163.84</b>	<b>23,389.11</b>	<b>34,552.96</b>
<b>10-Year Average</b>	<b>3,222.95</b>	<b>9,427.30</b>	<b>393.48</b>	<b>13,043.73</b>	<b>24,654.07</b>	<b>37,697.80</b>

Note: The minimum and maximum values are bolded.





# **APPENDIX J**

## **INTERVENTIONS AFTER JUDGMENT**



**APPENDIX J**

**INTERVENTIONS AFTER JUDGMENT  
DURING FISCAL YEAR 2019-20**

<b>INTERVENOR</b>	<b>TYPE OF TRANSACTION</b>	<b>EFFECTIVE DATE OF ORDER OF INTERVENTION</b>
Jeanne Rana Living Trust	Intervention in the permanent transfer of water rights.	June 22, 2020
9447 San Gabriel Canyon LLC	Intervention for the production of groundwater.	June 22, 2020
The Nicholson Family Trust - Marital Trust	Intervention in the permanent transfer of water rights.	June 22, 2020
Molson Coors USA LLC	Intervention for the production of groundwater.	Pending



**APPENDIX K**

**TRANSFERS OF ADJUDICATED RIGHTS**



## APPENDIX K

### TRANSFERS OF ADJUDICATED RIGHTS 2019-20

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

#### PERMANENT TRANSFERS

Rurban Homes Mutual Water Company	09/04/19	Perm.	217.76	0.11018	165.27	San Gabriel Valley Water Company
Walter Green	11/20/19	Perm.	23.90	0.01209	18.14	California Domestic Water Company
Jeffery B. Kirklen	12/20/19	Perm.	21.88	0.01107	16.61	1/ California Domestic Water Company
Southwest Water Company	01/28/20	Perm.	118.50	0.05996	89.94	San Gabriel Valley Water Company
The Nicholson Family Trust	04/30/20	Perm.	31.00	0.01569	23.54	The Nicholson Family Trust - Marital Trust
MillerCoors LLC	7/29/2020	Perm.	2,372.51	1.20047	3,601.42	2/ Molson Coors USA LLC

#### 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
The Maggiore Family Trust	3/ 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	04/01/19	06/30/20	--	--	75.00	California Domestic Water Company
Mary Kay Dawes (Partridge)	05/22/19	06/30/20	--	--	335.39	La Puente Valley County Water District
City of Covina	07/03/19	06/30/20	--	--	359.69	Covina Irrigating Company
NCL Co, LLC	07/03/19	06/30/20	--	--	0.75	Vulcan Materials Company
Vulcan Materials Company	07/03/19	06/30/20	--	--	50.00	Arcadia Reclamation, Inc.
Vulcan Materials Company	07/08/19	06/30/20	--	--	76.55	City of Azusa
Vulcan Materials Company	07/16/19	06/30/20	--	--	550.00	San Gabriel Valley Water Company
Rados Brothers	09/27/19	06/30/20	--	--	32.64	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
The Nicholson Family Trust	10/08/19	06/30/20	--	--	23.54	San Gabriel Valley Water Company
Jeanne Rana Living Trust	10/15/19	06/30/20	--	--	19.04	San Gabriel Valley Water Company
Kathryn W. Baker Trust	10/21/19	06/30/20	--	--	140.79	San Gabriel Valley Water Company
Southwest Water Company	10/22/19	06/30/20	--	--	89.94	Suburban Water Systems
Lucy A. Rosedale and Harry E. Rosedale III, Trustees of the Harry E. Rosedale Jr. Trust	10/30/19	06/30/20	--	--	168.00	Canyon Water Company
Valencia Heights Water Company	11/06/19	06/30/20	--	--	350.00	Covina Irrigating Company
Cadway, Inc.	11/13/19	06/30/20	--	--	488.18	California Domestic Water Company
Phillip G. and Sieglinde A. Tate, Trustees of the Tate Family Trust	01/27/20	06/30/20	--	--	43.89	La Puente Valley County Water District
La Puente Valley County Water District	01/27/20	06/30/20	--	--	200.00	Valley County Water District
La Puente Valley County Water District	01/30/20	06/30/20	--	--	300.00	San Gabriel County Water District
City of Whittier	02/06/20	06/30/20	--	--	4,000.00	Suburban Water Systems
Covina Irrigating Company	02/10/20	06/30/20	--	--	786.00	Canyon Water Company
William McIntyre	02/10/20	06/30/20	--	--	44.02	4/ Canyon Water Company
La Puente Valley County Water District	02/13/20	06/30/20	--	--	300.00	City of Industry Waterworks System
Canyon Water Company	02/13/20	06/30/20	--	--	1,000.00	La Puente Valley County Water District
Co-Tenancy of Laurence R. Pellissier Irrevocable QTIP Trust, et al	02/20/20	06/30/20	--	--	2,462.88	California Domestic Water Company
Walter Green	03/03/20	06/30/20	--	--	36.28	California Domestic Water Company
Co-Tenancy of Laurence R. Pellissier Irrevocable QTIP Trust, et al	03/10/20	06/30/20	--	--	2,462.88	Covina Irrigating Company
William Knight Living Trust	03/10/20	06/30/20	--	--	172.95	California Domestic Water Company
City of Brea	03/30/20	06/30/20	--	--	1,140.53	California Domestic Water Company

	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	03/30/20	06/30/20	--	--	950.37	California Domestic Water Company
Valencia Heights Water Company	04/06/20	06/30/20	--	--	200.00	Covina Irrigating Company
City of Irwindale	04/06/20	06/30/20	--	--	285.38	Valley County Water District
Covina Irrigating Company	04/20/20	06/30/20	--	--	435.64	California Domestic Water Company
Azusa Valley Water Company	04/21/20	06/30/20	--	--	300.00	San Gabriel County Water District
Azusa Valley Water Company	04/28/20	06/30/20	--	--	1,100.00	Valley County Water District
Azusa Valley Water Company	04/28/20	06/30/20	--	--	1,000.00	City of Monrovia
California American Water Company - San Marino	04/30/20	06/30/20	--	--	500.00	California American Water Company - Duarte
Workman Mill Investment Company	05/19/20	06/30/20	--	--	1,350.00	5/ San Gabriel Valley Water Company
County of Los Angeles	05/19/20	06/30/20	--	--	1,000.00	San Gabriel Valley Water Company
Covina Irrigating Company	05/22/20	06/30/20	--	--	562.54	California Domestic Water Company
Hanson Aggregates West Inc.	05/27/20	06/30/20	--	--	1,560.00	California Domestic Water Company
Carolyn Heinrich	06/02/20	06/30/20	--	--	19.04	San Gabriel Valley Water Company
City of Whittier	06/04/20	06/30/20	--	--	800.00	Covina Irrigating Company
Amarillo Mutual Water Company	06/08/20	06/30/20	--	--	200.00	San Gabriel Valley Water Company
Covina Irrigating Company	06/09/20	06/30/20	--	--	800.00	California Domestic Water Company
Covina Irrigating Company	06/09/20	06/30/20	--	--	337.46	California Domestic Water Company
Covina Irrigating Company	06/09/20	06/30/20	--	--	2,462.88	California Domestic Water Company
City of Whittier	06/11/20	06/30/20	--	--	800.00	Covina Irrigating Company
Covina Irrigating Company	06/11/20	06/30/20	--	--	600.00	Canyon Water Company
Susan Andrade	06/11/20	06/30/20	--	--	6.35	San Gabriel Valley Water
Del Rio Mutual Water Company	06/16/20	06/30/20	--	--	55.00	California Domestic Water Company

	Transaction					
		Date of lease expir.	Amount			
			Prescrip. pumping right (acre-feet)	Pumper's share (percent)	Production right (acre-feet)	
Transferor	Date					Transferee
Metropolitan Water District of Southern California	06/16/20	06/30/20	--	--	134.83	6/ San Gabriel Valley Water Company
Anton & Anita Garnier Family Trust	06/23/20	06/30/24	214.30	0.10843	162.65	East Pasadena Water Company
Sonoco Products Company	06/29/20	06/30/20	--	--	165.00	California Domestic Water Company
Covina Irrigating Company	06/30/20	06/30/20	--	--	200.00	Valley County Water District
Covina Irrigating Company	06/30/20	06/30/20	--	--	39.87	Valley County Water District
Molson Coors USA LLC	07/09/20	06/30/20	--	--	555.00	7/ Azusa Valley Water Company
Covina Irrigating Company	07/14/20	06/30/20	--	--	392.39	California Domestic Water Company

Notes:

1/ Permanent transfer of Prescriptive Pumping rights/Pumper's Share included in FY 19-20. However, due to the long-term lease between Jeffery Kirklen and California Domestic Water Company already occurring in FY 19-20, Production right of 16.61 AF will take in effect in FY 20-21.

2/ Includes 1,800.71 AF of carryover rights.

3/ 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.

4/ Includes 22.01 AF of carryover rights.

5/ Includes 32.42 AF of carryover rights.

6/ Includes 9.59 AF of Diversion Component.

7/ Includes 555 AF of carryover rights.

## **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, 2020**

<b>DIVERTER</b>	<b>BASE ANNUAL DIVERSION RIGHT (ACRE-FEET)</b>
<b>Aqua Capital Management LP<sup>1</sup></b>	
(Successor to Covell, Ralph) <sup>2</sup>	2.12
(Transferred to California Domestic Water Company) <sup>2</sup>	<u>-2.12</u>
	<b>0.00</b>
<b>California Domestic Water Company</b>	
(Successor to Aqua Capital Management LP) <sup>2</sup>	2.12
(Transferred to Covina Irrigating Company) <sup>2</sup>	<u>-2.12</u>
	<b>0.00</b>
<b>Covell, Ralph</b>	2.12
(Successor to Rittenhouse, Catherine and Rittenhouse, James) <sup>3</sup>	
(Transferred to Aqua Capital Management LP) <sup>2</sup>	<u>-2.12</u>
	<b>0.00</b>
<b>Maddock, A. G.</b>	3.40
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-3.40</u>
	<b>0.00</b>
<b>Rittenhouse, Catherine</b>	<b>0.00</b>
(Transferred to Covell, Ralph) <sup>3</sup>	
<b>Rittenhouse, James</b>	<b>0.00</b>
(Transferred to Covell, Ralph) <sup>3</sup>	
<b>Ruebhausen, Arline</b>	18.34
(Held in common with Ruebhausen, Victor)	
(Transferred to City of Glendora) <sup>2</sup>	<u>-18.34</u>
	<b>0.00</b>
<b>Ruebhausen, Victor</b>	--
(See Ruebhausen, Arline)	
<b>San Gabriel Valley Water Company</b>	
(Successor to Maddock, A.G.) <sup>2</sup>	<b>3.40</b>
<b>TOTAL</b>	<b><u>3.40</u></b>

**APPENDIX L**

**EXHIBIT "D" OF JUDGMENT  
TABLE SHOWING RIGHTS  
AND PUMPER'S SHARE OF EACH PUMPER  
AS OF JUNE 30, 2020**

<b>PUMPER</b>	<b>PRESCRIPTIVE PUMPING RIGHT ACRE-FEET</b>	<b>PUMPER'S SHARE %</b>
<b>6W Farms, Inc.</b>	1,217.40	0.61599
(Formerly Woodland Farms, Inc.)		
(Transferred to:		
Miller Brewing Company	-919.50	-0.46526
Richard J. Woodland) <sup>2</sup>	<u>-297.90</u>	<u>-0.15073</u>
	<b>0.00</b>	<b>0.00000</b>
<b>9447 San Gabriel Canyon LLC<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Adams Ranch Mutual Water Company</b>	100.00	0.05060
(Transferred to California American Water Co. - San Marino System) <sup>2</sup>	<u>-100.00</u>	<u>-0.05060</u>
	<b>0.00</b>	<b>0.00000</b>
<b>A &amp; E Plastik Pak Co., Inc.</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to Industry Properties, Ltd.) <sup>3</sup>		
<b>Alhambra, City of</b>	<b>8,812.05</b>	<b>4.45876</b>
<b>Amarillo Mutual Water Company</b>	<b>709.00</b>	<b>0.35874</b>
<b>American Sheds, Inc.<sup>1</sup></b>		
(Successor to Southwestern Portland Cement Company) <sup>2</sup>	742.00	0.37544
(Transferred to USA Waste of California, Inc.) <sup>2</sup>	<u>-742.00</u>	<u>-0.37544</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Anchor Plating Co., Inc.<sup>1</sup></b>		
(Successor to Bodger & Sons, DBA Bodger Seeds Ltd.) <sup>2</sup>	10.00	0.00506
(Transferred to Crown City Plating Co.) <sup>2</sup>	<u>-10.00</u>	<u>-0.00506</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Anderson Family Marital Trust<sup>1</sup></b>		
(Successor to Anderson, Ray L. and Helen T.) <sup>2</sup>	50.16	0.02538
(Transferred to:		
Brondino, Jeanne	-25.08	-0.01269
Heinrich, Carolyn) <sup>2</sup>	<u>-25.08</u>	<u>-0.01269</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Anderson, Ray<sup>1</sup></b>		
(Successor to Covina Valley Unified School District) <sup>2</sup>	50.16	0.02538
(Transferred to Anderson, Ray L. and Helen T.) <sup>2</sup>	<u>-50.16</u>	<u>-0.02538</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Anderson, Ray L. and Helen T.<sup>1</sup></b>		
(Successor to Anderson, Ray) <sup>2</sup>	50.16	0.02538
(Transferred to Anderson Family Marital Trust) <sup>2</sup>	<u>-50.16</u>	<u>-0.02538</u>
	<b>0.00</b>	<b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Andrade, Macario and Consuelo; and Andrade, Robert and Jayne</b> <sup>1</sup>		
(Successor to J. F. Isbell Estate, Inc.) <sup>2</sup>	8.36	0.00423
(Transferred to Susan Andrade) <sup>2</sup>	<u>-8.36</u>	<u>-0.00423</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Andrade, Susan</b> <sup>1</sup>		
(Successor to Andrade, Macario and Consuelo; and Andrade, Robert and Jayne) <sup>2</sup>	<u>8.36</u>	<u>0.00423</u>
	<b>8.36</b>	<b>0.00423</b>
<b>Aqua Capital Management LP</b> <sup>1</sup>		
(Successor to:		
Covell et al.	16.19	0.00820
Azusa Associates, LLC	18.51	0.00937
USA Waste of California, Inc.	742.00	0.37544
Richard Woodland) <sup>2</sup>	297.90	0.15073
(Transferred to:		
California Domestic Water Company) <sup>2</sup>	<u>-1074.60</u>	<u>-0.54374</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Arcadia, City of</b>	9,252.00	4.68137
(Successor to First National Finance Corporation) <sup>2</sup>	60.90	0.03081
(Transferred to City of Monrovia) <sup>2</sup>	<u>-951.00</u>	<u>-0.48119</u>
	<b>8,361.90</b>	<b>4.23099</b>
<b>Arcadia Reclamation, Inc.</b> <sup>1</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Associated Southern Investment Company</b>	16.50	0.00335
(Transferred to Southern California Edison Company) <sup>2</sup>	<u>-16.50</u>	<u>-0.00335</u>
	<b>0.00</b>	<b>0.00000</b>
<b>AZ-Two, Inc.</b> <sup>1</sup>	--	--
(See Southdown, Inc.)		
<b>Azusa Associates, LLC</b> <sup>1</sup>		
(Successor to Snyder, Esther) <sup>2</sup>	18.51	0.00937
(Transferred to Aqua Capital Management LP) <sup>2</sup>	<u>-18.51</u>	<u>-0.00937</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Azusa-Western Inc.</b>	742.00	0.37544
(Transferred to Southwestern Portland Cement Co.) <sup>2</sup>	<u>-742.00</u>	<u>-0.37544</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Bahnsen &amp; Beckman Ind., Inc.</b>	840.50	0.42528
(Transferred to Woodland, Richard) <sup>2</sup>	<u>-840.50</u>	<u>-0.42528</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Bahnsen, Betty M.</b>	441.90	0.22359
(Transferred to Dawes, Mary Kay) <sup>2</sup>	<u>-441.90</u>	<u>-0.22359</u>
	<b>0.00</b>	<b>0.00000</b>



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

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Brezina, Raymond W. and Susan W. Trust 2001<sup>1</sup></b>	--	--
<b>Brea, City of<sup>1</sup></b> (Successor to: California Domestic Water Company California Domestic Water Company) <sup>2</sup>	428.12 <u>1,074.60</u> <b>1,502.72</b>	0.21662 <u>0.54373</u> <b>0.76035</b>
<b>Brondino, Jeanne<sup>1</sup></b> (Successor to Anderson Family Marital Trust) <sup>2</sup> (Transferred to Jeanne Rana Living Trust) <sup>2</sup>	25.08 <u>-25.08</u> <b>0.00</b>	0.01269 <u>-0.01269</u> <b>0.00000</b>
<b>Burbank Development Company</b> (Transferred to Wright, Darrell A., Wright, Merle M. & Carlson, Jeanne W.) <sup>2</sup>	50.85 <u>-50.85</u> <b>0.00</b>	0.02563 <u>-0.02563</u> <b>0.00000</b>
<b>Cadway, Inc.<sup>1</sup></b> (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.) <sup>2</sup> (Transferred to: California Domestic Water Company California Domestic Water Company California Domestic Water Company) <sup>2</sup>	100.00 100.00 273.50 30.00 203.00 129.60 243.50  -243.50 -129.60 <u>-63.30</u> <b>643.20</b>	0.05060 0.05060 0.13839 0.01518 0.10272 0.06558 0.12320  -0.12321 -0.06558 <u>-0.03203</u> <b>0.32545</b>
<b>Cal Fin</b> (Transferred to Suburban Water Systems) <sup>2</sup>	118.10 <u>-118.10</u> <b>0.00</b>	0.05976 <u>-0.05976</u> <b>0.00000</b>
<b>California-American Water Company</b> (San Marino System) (Successor to Adams Ranch Mutual Water Company) <sup>2</sup>	7,868.70  <u>100.00</u> <b>7,968.70</b>	3.98144  <u>0.05060</u> <b>4.03204</b>
<b>California Country Club<sup>1</sup></b> (Formerly CCC Management)	<b>0.00</b>	<b>0.00000</b>
<b>California Domestic Water Company</b> (Successor to: Cantrill Mutual Water Company <sup>3</sup> Industry Properties, Ltd.) <sup>2</sup>	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 <sup>2</sup>	256.86	0.12997
Fisher, Russell <sup>2</sup>	19.00	0.00961
Graveline, George Wayne and Alexis June, Trust <sup>2</sup>	216.60	0.10959
Cadway, Inc. <sup>2</sup>	243.50	0.12321
Cadway, Inc. <sup>2</sup>	129.60	0.06558
Cadway, Inc. <sup>2</sup>	63.30	0.03203
United Rock Products Corporation <sup>2</sup>	450.00	0.22769
Aqua Capital Management LP <sup>2</sup>	1,074.60	0.54374
Covina Irrigating Company	203.12	0.10278
Polopolus, et al	22.50	0.01138
Green, Walter	23.90	0.01209
Kirklen, Jeffery <sup>2</sup>	21.88	0.01107
(Transferred to:		
Brea, City of <sup>2</sup>	-428.12	-0.21662
Brea, City of <sup>2</sup> )	<u>-1,074.60</u>	<u>-0.54373</u>
	<b>12,362.96</b>	<b>6.25547</b>
<b>California Materials Company</b>	<b>0.00</b>	<b>0.00000</b>
<b>CalMat</b>	--	--
(Formerly Conrock Company)		
(See Vulcan Materials Company)		
<b>Cantrill Mutual Water Company</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to California Domestic Water Company) <sup>3</sup>		
<b>Canyon Water Company<sup>1</sup></b>		
(Successor to McIntyre, William) <sup>2</sup>	<u>1.00</u>	<u>0.00051</u>
	<b>1.00</b>	<b>0.00051</b>
<b>Canyon Water &amp; Development Corporation<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>CCC Management<sup>1</sup></b>	--	--
(See California Country Club)		
<b>Cedar Avenue Mutual Water Company</b>	121.10	0.06127
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-121.10</u>	<u>-0.06127</u>
	<b>0.00</b>	<b>0.00000</b>
<b>CEMEX California Aggregates, Inc.<sup>1</sup></b>	--	--
(Formerly Southdown)		
<b>Champion Mutual Water Company</b>	147.68	0.07472
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-147.68</u>	<u>-0.07472</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Chevron U.S.A.</b>	<b>2.00</b>	<b>0.00101</b>
(Formerly Standard Oil of California)		
<b>Chronis, Christine<sup>1</sup></b>	--	--
(See Polopolus, et al.)		

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Clayton Manufacturing Company</b> (Transferred to City of Glendora) <sup>2</sup>	511.80 <u>-511.80</u> <b>0.00</b>	0.25896 <u>-0.25896</u> <b>0.00000</b>
<b>Coiner, James W., dba Coiner Nursery<sup>1</sup></b>	--	--
<b>Coiner Nursery, LLC<sup>1</sup></b>	--	--
<b>Collison, E. O.</b>	<b>0.00</b>	<b>0.00000</b>
<b>Comby, Erma M.</b> (See Wilmott, Erma M.)	--	--
<b>Conrock Company</b> (See CalMat) (Formerly Consolidated Rock Products Co.)	--	--
<b>Consolidated Rock Products Co.</b> (See Conrock Company)	--	--
<b>Corcoran, Jack S.</b> (Held in common with Corcoran, R. L.) (Transferred to: Cadway, Inc. Cadway, Inc. Cadway, Inc. Cadway, Inc. Cadway, Inc.) <sup>2</sup>	747.00  -100.00 -100.00 -273.50 -30.00 <u>-243.50</u> <b>0.00</b>	0.37797  -0.05060 -0.05060 -0.13839 -0.01518 <u>-0.12320</u> <b>0.00000</b>
<b>Corcoran, R. L.</b> (See Corcoran, Jack S.)	--	--
<b>County Sanitation District No. 18 of Los Angeles County</b>	<b>4.50</b>	<b>0.00228</b>
<b>Covell, et al.</b> (Successor to Rittenhouse, Catherine and Rittenhouse, James) <sup>3</sup> (Held in common with Tate, Phillip G. and Sieglinde A.; Goedert, Lillian E.; Goedert, Marion W.; Lakin, Kendall R.; Lakin, Kelly R.; Snyder, Harry; Snyder, Esther) (Transferred to: Lakin, Kelly R. Goedert, Lillian E. Tate, Phillip G. and Sieglinde A. Snyder, Esther Aqua Capital Management LP) <sup>2</sup>	111.05  -9.26 -9.26 -57.83 -18.51 <u>-16.19</u> <b>0.00</b>	0.05619  -0.00468 -0.00468 -0.02926 -0.00937 <u>-0.00820</u> <b>0.00000</b>

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

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

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Everett, W.B., Executor of the Estate of I. Worth Everett</b> (See Everett, Mrs. Alda B.)	--	--
<b>Faix, Incorporated</b> (Successor to Frank F. Pellissier & Sons, Inc.) <sup>3</sup> (Transferred to Faix, Ltd.) <sup>3</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Faix, Ltd.</b> (Successor to Faix, Incorporated) <sup>3</sup> (Transferred to Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of) <sup>2</sup>	6,490.00 <u>-6,490.00</u> <b>0.00</b>	3.28384 <u>-3.28384</u> <b>0.00000</b>
<b>First National Finance Corporation</b> (Transferred to City of Arcadia) <sup>2</sup>	60.90 <u>-60.90</u> <b>0.00</b>	0.03081 <u>-0.03081</u> <b>0.00000</b>
<b>Fisher, Russell</b> (Held in common with Hauch, Edward and Warren, Clyde) (Transferred to California Domestic Water Company) <sup>2</sup>	19.00 <u>-19.00</u> <b>0.00</b>	0.00961 <u>-0.00961</u> <b>0.00000</b>
<b>Fox Family Trust Michael Edward Fox and Crystal Marie Fox, Trustees<sup>1</sup></b> (Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) <sup>2</sup>	<b>145.83</b>	<b>0.07378</b>
<b>Frank F. Pellissier &amp; Sons, Inc.</b> (Transferred to Faix, Incorporated) <sup>3</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Fruit Street Water Company</b> (Transferred to: Gifford, Brooks, Jr., City of La Verne) <sup>2</sup>	207.00 -101.29 <u>-105.71</u> <b>0.00</b>	0.10474 -0.05125 <u>-0.05349</u> <b>0.00000</b>
<b>Garnier, Anton C. and Anita, Family Trust<sup>1</sup></b> (Successor to: South Covina Water Service Garnier, Camille A., Deceased, Estate of Garnier, Janus) <sup>2</sup>	203.00 8.30 <u>3.00</u> <b>214.30</b>	0.10271 0.00420 <u>0.00152</u> <b>0.10843</b>
<b>Garnier, Camille A., Deceased, Estate of<sup>1</sup></b> (Successor to South Covina Water Service) <sup>2</sup> (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) <sup>2</sup>	83.30 -41.70 -8.30 -8.30 -8.30 <u>-16.70</u> <b>0.00</b>	0.04215 -0.02110 -0.00420 -0.00420 -0.00420 <u>-0.00845</u> <b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Garnier, Janus<sup>1</sup></b>		
(Successor to :		
Garnier, Camille A. Deceased, Estate of	8.30	0.00420
South Covina Water Service) <sup>2</sup>	203.00	0.10272
(Transferred to:		
George Wayne and Alexis June Graveline Trust	-5.30	-0.00268
The Anton C. and Anita Garnier Family Trust	-3.00	-0.00152
Cadway, Inc.) <sup>2</sup>	<u>-203.00</u>	<u>-0.10272</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Garnier, Ruth Elaine Ailor, Trust<sup>1</sup></b>		
(Successor to Garnier, Camille A. Deceased,	41.70	0.02110
Estate of) <sup>2</sup>		
(Transferred to:		
Suburban Water Systems) <sup>2</sup>	<u>-41.70</u>	<u>-0.02110</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Gates, James Richard<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Gifford, Brooks, Jr.<sup>1</sup></b>		
(Successor to:		
Fruit Street Water Company,	101.29	0.05125
Mission Gardens Mutual Water Company) <sup>2</sup>	96.96	0.04906
(Transferred to City of Whittier) <sup>2</sup>	<u>-198.25</u>	<u>-0.10031</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Gilkerson, Frank B.</b>	--	--
(Formerly part of Covell, et al.)		
(Transferred interest in Covell, et al. to Jobe, Darr) <sup>2</sup>		
<b>Glendora Unified High School District</b>	99.00	0.05009
(Transferred to City of Glendora) <sup>2</sup>	<u>-99.00</u>	<u>-0.05009</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Goedert, Lillian E.</b>		
(See Covell, et al.)		
(Successor to Covell, et al.) <sup>2</sup>	9.26	0.00468
(Transferred to:		
Covina Irrigating Co.	-7.00	-0.00354
Nila, Mimi; Successor Trustee of the Lillian Goedert Living	<u>-2.26</u>	<u>-0.00114</u>
Trust) <sup>2</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Goedert, Marion W.</b>	--	--
(See Covell, et al.)		
<b>Golden State Water Company,</b>	<b>5,773.00</b>	<b>2.92105</b>
San Gabriel Valley District		
(Formerly Southern California Water Company)		
<b>Graham, William</b>	--	--
(Formerly part of Covell, et al.)		
(Transferred interest in Covell et al. to Jobe, Darr) <sup>2</sup>		



PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Graveline, George Wayne and Alexis June, Trust<sup>1</sup></b>		
(Successor to:		
South Covina Water Service	203.00	0.10271
Garnier, Camille A., Deceased, Estate of	8.30	0.00420
Garnier, Janus) <sup>2</sup>	5.30	0.00268
(Transferred to California Domestic Water Company) <sup>2</sup>	<u>-216.60</u>	<u>-0.10959</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Green, Walter</b>	71.70	0.03628
(Transferred to California Domestic Water Company) <sup>2</sup>	<u>-23.90</u>	<u>-0.01209</u>
	<b>47.80</b>	<b>0.02419</b>
<b>Grizzle, Lissa B.</b>	184.00	0.09310
(Held in common with Grizzle, Mervin A.; Wilson, Harold R.; Wilson, Sarah C.)		
(Transferred to City of Whittier) <sup>2</sup>	<u>-184.00</u>	<u>-0.09310</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Grizzle, Mervin A.</b>	--	--
(See Grizzle, Lissa B.)		
<b>Hansen, Alice</b>	<b>0.75</b>	<b>0.00038</b>
<b>Hanson Aggregates West, Inc.<sup>1</sup></b>		
(Successor to:		
Livingston-Graham, Inc.	1,824.40	0.92312
Sully-Miller Contracting Company) <sup>2</sup>	<u>489.77</u>	<u>0.24782</u>
	<b>2,314.17</b>	<b>1.17094</b>
<b>Hartley, David<sup>1</sup></b>	--	--
<b>Hauch, Edward</b>	--	--
(See Fisher, Russell)		
<b>Heinrich, Carolyn<sup>1</sup></b>		
(Successor to Anderson Family Marital Trust) <sup>2</sup>	<u>25.08</u>	<u>0.01269</u>
	<b>25.08</b>	<b>0.01269</b>
<b>Hemlock Mutual Water Company</b>	<b>166.00</b>	<b>0.08399</b>
<b>Hollenbeck Street Water Company</b>	<b>0.00</b>	<b>0.00000</b>
(Transferred to Suburban Water Systems) <sup>3</sup>		
<b>Hughes Development Corporation<sup>1</sup></b>		
(Successor to Base Line Water Company) <sup>2</sup>	430.20	0.21767
(Transferred to:		
San Gabriel County Water District	-400.00	-0.20239
San Gabriel County Water District) <sup>2</sup>	<u>-30.20</u>	<u>-0.01528</u>
	<b>0.00</b>	<b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Hunter, Lloyd F.<sup>1</sup></b> (Successor to Wade, R.) <sup>2</sup> (Transferred to Covina Irrigating Company) <sup>2</sup>	4.40 <u>-4.40</u> <b>0.00</b>	0.00223 <u>-0.00223</u> <b>0.00000</b>
<b>Hydro-Conduit Corporation</b>	<b>0.00</b>	<b>0.00000</b>
<b>Industry Waterworks System, City of<sup>4</sup></b> (Successor to Cross Water Company) <sup>2</sup>	<u>1,103.00</u> <b>1,103.00</b>	<u>0.55810</u> <b>0.55810</b>
<b>Industry Properties, Ltd.</b> (Successor to A & E Plastik Pak Co., Inc.) <sup>3</sup> (Transferred to California Domestic Water Co.) <sup>2</sup>	73.50 <u>-73.50</u> <b>0.00</b>	0.03719 <u>-0.03719</u> <b>0.00000</b>
<b>Irwindale, City of<sup>4</sup></b> (Successor to United Concrete Pipe Corporation) <sup>2</sup>	<u>376.00</u> <b>376.00</b>	<u>0.19025</u> <b>0.19025</b>
<b>J. F. Isbell Estate, Inc.</b> (Transferred to Andrade, Macario and Consuelo; and Andrade, Robert and Jayne) <sup>2</sup>	8.36 <u>-8.36</u> <b>0.00</b>	0.00423 <u>-0.00423</u> <b>0.00000</b>
<b>Jerris, Helen<sup>1</sup></b> (See Polopolus, et al.)	--	--
<b>Jobe, Darr<sup>1</sup></b> (Formerly part of Covell, et al.) (Successor to: Gilkerson, Frank B. interest in Covell et al. Graham, William interest in Covell et al.) <sup>2</sup> (Transferred interest in Covell et al. to Tate, Phillip G. and Sieglinde A.) <sup>2</sup>	--	--
<b>Kirklen Family Trust<sup>1</sup></b> (Formerly Kirklen, Dawn L.) (Held in common with Kirklen, William R.) (Successor to San Dimas-La Verne Recreational Facilities Authority) <sup>2</sup> (Transferred to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) <sup>2</sup>	375.00   62.50 <u>-437.50</u> <b>0.00</b>	0.18974   0.03162 <u>-0.22136</u> <b>0.00000</b>
<b>Kirklen, Dawn L.</b> (See Kirklen Family Trust)	--	--
<b>Kirklen, Jeffery<sup>1</sup></b> (Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery) <sup>2</sup> (Transferred to California Domestic Water Company) <sup>2</sup>	145.84  <u>-21.88</u> <b>123.96</b>	0.07379  <u>-0.01107</u> <b>0.06272</b>

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

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>La Puente Cooperative Water Co.</b> (Transferred to Suburban Water Systems) <sup>3</sup>	<b>0.00</b>	<b>0.00000</b>
<b>La Puente Valley County Water District</b> (Successor to El Encanto Properties) <sup>2</sup>	1,097.00 <u>33.40</u> <b>1,130.40</b>	0.55507 <u>0.01690</u> <b>0.57197</b>
<b>La Verne, City of</b> (Successor to Fruit Street Water Co.) <sup>2</sup> (Transferred to Covina Irrigating Co.) <sup>2</sup>	250.00 105.71 <u>-355.71</u> <b>0.00</b>	0.12650 0.05349 <u>-0.17999</u> <b>0.00000</b>
<b>Lee, Paul M. and Ruth A.;</b> <b>Nasmyth, Virginia; Nasmyth, John<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Little John Dairy</b>	<b>0.00</b>	<b>0.00000</b>
<b>Livingston-Graham, Inc.</b> (Transferred to Hanson Aggregates West, Inc.) <sup>2</sup>	1,824.40 <u>-1,824.40</u> <b>0.00</b>	0.92312 <u>-0.92312</u> <b>0.00000</b>
<b>Los Flores Mutual Water Company</b> (Transferred to City of Monterey Park) <sup>2</sup>	26.60 <u>-26.60</u> <b>0.00</b>	0.01346 <u>-0.01346</u> <b>0.00000</b>
<b>Loucks, David</b>	<b>3.00</b>	<b>0.00152</b>
<b>Lovelady, June G., Trustee<sup>1</sup></b> (Successor to White, June G., Trustee of the June G. White Share of the Garnier Trust) <sup>2</sup> (Transferred to The Kathryn W. Baker Trust) <sup>2</sup>	185.50 <u>-185.50</u> <b>0.00</b>	0.09386 <u>-0.09386</u> <b>0.00000</b>
<b>Loyola Marymount University<sup>1</sup></b> (Successor to George A.V. Dunning Trust) <sup>2</sup> (Transferred to City of Glendora) <sup>2</sup>	324.00 <u>-324.00</u> <b>0.00</b>	0.16394 <u>-0.16394</u> <b>0.00000</b>
<b>Maggiore Family Trust, The<sup>1</sup></b> (Successor to Maggiore, Valarie) <sup>2</sup>	<b>145.83</b>	<b>0.07379</b>
<b>Maggiore, Valarie<sup>1</sup></b> (Successor to Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffrey) <sup>2</sup> (Transferred to Maggiore Family Trust, The) <sup>2</sup>	145.83 <u>-145.83</u> <b>0.00</b>	0.07379 <u>-0.07379</u> <b>0.00000</b>
<b>Maggiore, Valarie; Fox, Crystal; and Kirklen, Jeffery<sup>1</sup></b> (Successor to Kirklen Family Trust) <sup>2</sup> (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) <sup>2</sup>	-145.84 <u>-145.83</u> <b>0.00</b>	-0.07379 <u>-0.07378</u> <b>0.00000</b>
<b>Manning Bros. Rock &amp; Sand Co.</b> (Transferred to Conrock Company) <sup>2</sup>	328.00 <u>-328.00</u> <b>0.00</b>	0.16596 <u>-0.16596</u> <b>0.00000</b>
<b>Maple Water Company</b> (Transferred to Southwest Water Co.) <sup>2</sup>	118.50 <u>-118.50</u> <b>0.00</b>	0.05996 <u>-0.05996</u> <b>0.00000</b>
<b>Martinez, Frances Mercy</b> (Held in common with Martinez, Jaime)	<b>0.75</b>	<b>0.00038</b>
<b>Martinez, Jaime</b> (See Martinez, Frances Mercy)	--	--
<b>Massey-Ferguson Company</b>	<b>0.00</b>	<b>0.00000</b>
<b>McIntyre, William<sup>1</sup></b> (Successor to West Covina Venture, Ltd.) <sup>2</sup> (Transferred to Canyon Water Company) <sup>2</sup>	30.00 <u>-1.00</u> <b>29.00</b>	0.01518 <u>-0.00051</u> <b>0.01467</b>
<b>Miller Brewing Company</b> (Successor to: Maechtlen, Estate of J.J. Phillips, Alice B., et al. South Covina Water Service Woodland Farms Woodland, Richard) <sup>2</sup> (Transferred to Miller Breweries West, L.P.) <sup>2</sup>	111.01  151.50 50.00 300.00 919.50 840.50 <u>-2,372.51</u> <b>0.00</b>	0.05617  0.07666 0.02530 0.15180 0.46526 0.42528 <u>-1.20047</u> <b>0.00000</b>
<b>Miller Breweries West, L.P.<sup>1</sup></b> (Successor to Miller Brewing Company) <sup>2</sup> (Transferred to MillerCoors LLC) <sup>2</sup>	2,372.51 <u>-2,372.51</u> <b>0.00</b>	1.20047 <u>-1.20047</u> <b>0.00000</b>
<b>MillerCoors LLC<sup>1</sup></b> (Successor to Miller Breweries West, L.P.) <sup>2</sup> (Transferred to Molson Coors USA LLC) <sup>2</sup>	2,372.51 <u>-2,372.51</u> <b>0.00</b>	1.20047 <u>-1.20047</u> <b>0.00000</b>
<b>Mission Gardens Mutual Water Company</b> (Transferred to Gifford, Brooks, Jr.) <sup>2</sup>	96.96 <u>-96.96</u> <b>0.00</b>	0.04906 <u>-0.04906</u> <b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Modern Accent Corporation</b>		
(Successor to Crocker National Bank, Executor of the Estate of A. V. Handorf) <sup>3</sup>	256.86	0.12997
(Transferred to California Domestic Water Co.) <sup>2</sup>	<u>-256.86</u>	<u>-0.12997</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Molson Coors USA LLC<sup>1</sup></b>		
(Successor to MillerCoors LLC) <sup>2</sup>	<u>2,372.51</u>	<u>1.20047</u>
	<b>2,372.51</b>	<b>1.20047</b>
<b>Monterey Park, City of</b>	6,677.48	3.37870
(Successor to Los Flores Mutual Water Co.) <sup>2</sup>	<u>26.60</u>	<u>0.01346</u>
	<b>6,704.08</b>	<b>3.39216</b>
<b>Moon Valley Nursery of California, Inc<sup>1</sup></b>	--	--
<b>Munoz, Ralph<sup>1</sup></b>	--	--
<b>Murphy Ranch Mutual Water Company</b>	223.23	0.11295
(Transferred to Southwest Suburban Water) <sup>2</sup>	<u>-223.23</u>	<u>-0.11295</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Namimatsu Farms</b>	196.00	0.09917
(Transferred to California Cities Water Co.) <sup>2</sup>	<u>-196.00</u>	<u>-0.09917</u>
	<b>0.00</b>	<b>0.00000</b>
<b>NCL Co., LLC<sup>1</sup></b>		
(Successor to Vulcan Materials Company) <sup>2</sup>	<u>1.00</u>	<u>0.00050</u>
	<b>1.00</b>	<b>0.00050</b>
<b>Nick Tomovich &amp; Sons</b>	<b>0.02</b>	<b>0.00001</b>
<b>Nicholson Trust<sup>1</sup></b>		
(Successor to Beverly Acres Mutual Water Users Association) <sup>2</sup>	43.00	0.02176
(Transferred to: Nicholson Family Trust	-7.00	-0.00354
Nicholson Trust, Helene S.	-12.00	-0.00607
Nicholson Family Trust) <sup>2</sup>	<u>-24.00</u>	<u>-0.01215</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Nicholson Family Trust<sup>1</sup></b>		
(Successor to: Nicholson Trust	7.00	0.00354
Nicholson Trust) <sup>2</sup>	24.00	0.01215
(Transferred to Nicholson Family Trust - Marital Trust) <sup>2</sup>	<u>-31.00</u>	<u>-0.01569</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Nicholson Family Trust - Marital Trust<sup>1</sup></b>		
(Successor to Nicholson Family Trust) <sup>2</sup>	<u>31.00</u>	<u>0.01569</u>
	<b>31.00</b>	<b>0.01569</b>
<b>Nicholson Trust, Helene S.<sup>1</sup></b>		
(Successor to Nicholson Trust) <sup>2</sup>	12.00	0.00607
(Transferred to San Gabriel Valley Water Co.) <sup>2</sup>	<u>-12.00</u>	<u>-0.00607</u>
	<b>0.00</b>	<b>0.00000</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Nila, Mimi; Successor Trustee of the Lillian Goedert Living Trust<sup>1</sup></b>		
(Successor to Goedert, Lillian E.) <sup>2</sup>	2.26	0.00114
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-2.26</u>	<u>-0.00114</u>
	<b>0.00</b>	<b>0.00000</b>
<b>New Owl Rock Products<sup>1</sup></b>		
(Successor to Owl Rock Products Co.) <sup>2</sup>	715.60	0.36208
(Transferred to Robertson's Ready Mix, Ltd.) <sup>2</sup>	<u>-715.60</u>	<u>-0.36208</u>
	<b>0.00</b>	<b>0.00000</b>
<b>No. 17 Walnut Place Mutual Water Co.</b>	21.50	0.01088
(Transferred to San Gabriel Valley Water Co.) <sup>2</sup>	<u>-21.50</u>	<u>-0.01088</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Orange Production Credit Association<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Owl Rock Products Co.</b>	715.60	0.36208
(Transferred to New Owl Rock Products) <sup>2</sup>	<u>-715.60</u>	<u>-0.36208</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Pacific Rock &amp; Gravel Co.</b>	408.00	0.20644
(Transferred to:	-208.00	-0.10524
City of Whittier,	<u>-200.00</u>	<u>-0.10120</u>
Rose Hills Memorial Park Association) <sup>2</sup>	<b>0.00</b>	<b>0.00000</b>
<b>Park Water Company</b>	184.01	0.09311
(Transferred to Valley County Water District) <sup>2</sup>	<u>-184.01</u>	<u>-0.09311</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Parton Family Trust<sup>1</sup></b>	46.20	0.02338
(Formerly Via, H., Trust of) <sup>2</sup>		
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-46.20</u>	<u>-0.02338</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of<sup>1</sup></b>		
(Successor to Faix, Ltd) <sup>2</sup>	<u>6,490.00</u>	<u>3.28384</u>
	<b>6,490.00</b>	<b>3.28384</b>
<b>Penn, Margaret<sup>1</sup></b>	--	--
(See Polopolus, et al.)		
<b>Pico County Water District</b>	<b>0.75</b>	<b>0.00038</b>
<b>Polopolus, John<sup>1</sup></b>	--	--
(See Polopolus, et al.)		
<b>Polopolus, et al.<sup>1</sup></b>		
(Successor to Polopolus, Steve) <sup>2</sup>	22.50	0.01138
(Held in common with Chronis, Christine; Jerris, Helen; Penn, Margaret; Polopolus, John)		
(Transferred to California Domestic Water Company) <sup>2</sup>	<u>-22.50</u>	<u>-0.01138</u>
	<b>0.00</b>	<b>0.00</b>

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



PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>Rose Hills Memorial Park Association</b> (See Rose Hills Foundation, The)	--	--
<b>Rose Hills Foundation, The</b> <sup>1</sup> (Formerly Rose Hills Memorial Park Association) (See Rio Hondo Memorial Foundation, The) (Formerly Rio Hondo Memorial Foundation, The) (Successor to Pacific Rock & Gravel Co.) <sup>2</sup> (Transferred to: Workman Mill Investment Co. Workman Mill Investment Co.) <sup>2</sup>	594.00 200.00 -594.00 <u>-200.00</u> <b>0.00</b>	0.30055 0.10120 -0.30055 <u>-0.10120</u> <b>0.00000</b>
<b>Rosemead Development, Ltd.</b> <sup>1</sup> (Successor to Thompson, Earl W.) <sup>2</sup>	<u>1.00</u> <b>1.00</b>	<u>0.00051</u> <b>0.00051</b>
<b>Rurban Homes Mutual Water Company</b> (Transferred to San Gabriel Valley Water Company) <sup>2</sup>	217.76 <u>-217.76</u> <b>0.00</b>	0.11018 <u>-0.11018</u> <b>0.00000</b>
<b>Ruth, Roy</b>	<b>0.75</b>	<b>0.00038</b>
<b>San Dimas Golf Inc. DBA Via Verde County Club</b> <sup>1</sup>	<b>0.00</b>	<b>0.00000</b>
<b>San Dimas-La Verne Recreational Facilities Authority</b> (Successor to Lang, Frank) <sup>3</sup> (Transferred to Kirklen, Dawn L. and William R.) <sup>2</sup>	62.50 <u>-62.50</u> <b>0.00</b>	0.03162 <u>-0.03162</u> <b>0.00000</b>
<b>San Gabriel Country Club</b>	<b>286.10</b>	<b>0.14476</b>
<b>San Gabriel County Water District</b> (Successor to: Hughes Development Corporation Hughes Development Corporation Robertson's Ready Mix, Ltd.) <sup>2</sup>	4,250.00 400.00 30.20 <u>715.60</u> <b>5,395.80</b>	2.15044 0.20239 0.01528 <u>0.36208</u> <b>2.73019</b>
<b>San Gabriel Valley Municipal Water District</b>	<b>0.00</b>	<b>0.00000</b>
<b>San Gabriel Valley Water Company</b> (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	16.70	0.00845
Rurban Homes Mutual Water Company	217.76	0.11018
Southwest Water Company) <sup>2</sup>	<u>118.50</u>	<u>0.05996</u>
	<b>20,736.75</b>	<b>10.49247</b>
<b>Sawpit Farms, Limited</b>	173.00	0.08754
(Transferred to:		
Eckis, Rolin	-123.00	-0.06224
Doyle and Madruga) <sup>2</sup>	<u>-50.00</u>	<u>-0.02530</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Schneiderman, Alan</b>	--	--
(See Birenbaum, Max)		
<b>Schneiderman, Lydia</b>	--	--
(See Birenbaum, Max)		
<b>Security Pacific National Bank, Co-trustee for the Estate of Winston F. Stoodly</b>	38.70	0.01958
(See Stoodly, Virginia A.)		
(Transferred to City of Whittier) <sup>2</sup>	<u>-38.70</u>	<u>-0.01958</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Sierra La Verne Country Club<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Sierra Madre, City of</b>	<b>0.00</b>	<b>0.00000</b>
<b>Sloan Ranches</b>	129.60	0.06558
(Transferred to Cadway, Inc.) <sup>2</sup>	<u>-129.60</u>	<u>-0.06558</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Smith, Charles<sup>3</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Snyder, Esther<sup>1</sup></b>		
(Successor to Covell, et al) <sup>2</sup>	18.51	0.00937
(Transferred to Azusa Associates, LLC) <sup>2</sup>	<u>-18.51</u>	<u>-0.00937</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Snyder, Harry</b>	--	--
(See Covell, et al.)		
<b>Sonoco Products Company</b>	<b>311.60</b>	<b>0.15766</b>

PUMPER	PRESCRIPTIVE PUMPING RIGHT ACRE-FEET	PUMPER'S SHARE %
<b>South Covina Water Service</b>	992.30	0.50209
(Transferred to:		
Miller Brewing Company	-300.00	-0.15180
Anton C. and Anita Garnier Family Trust	-203.00	-0.10271
The George Wayne and Alexis June Graveline Trust	-203.00	-0.10271
The Estate of Camille A. Garnier, Deceased	-83.30	-0.04215
Garnier, Janus) <sup>2</sup>	<u>-203.00</u>	<u>-0.10272</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Southdown, Inc.<sup>1</sup></b>	--	--
(Formerly AZ-Two, Inc.)		
(See CEMEX California Aggregates, Inc.)		
<b>Southern California Edison Company</b>	155.25	0.07855
(Successor to Associated		
Southern Investment Company) <sup>2</sup>	<u>16.50</u>	<u>0.00835</u>
	<b>171.75</b>	<b>0.08690</b>
<b>Southern California Water Company,</b>	--	--
San Gabriel Valley District		
(See Golden State Water Company, San Gabriel Valley District)		
<b>South Pasadena, City of</b>	<b>3,567.70</b>	<b>1.80520</b>
<b>Southwest Suburban Water</b>	--	--
(See Suburban Water Systems)		
<b>Southwest Water Company<sup>1</sup></b>		
(Successor to Maple Water Company) <sup>2</sup>	118.50	0.05996
(Transferred to San Gabriel Valley Water Company) <sup>2</sup>	<u>-118.50</u>	<u>-0.05996</u>
	<b>0.00</b>	<b>0.00</b>
<b>Southwestern Portland Cement Company<sup>1</sup></b>		
(Successor to Azusa Western, Inc.) <sup>2</sup>	742.00	0.37544
(Transferred to American Sheds, Inc.) <sup>2</sup>	<u>-742.00</u>	<u>-0.37544</u>
	<b>0.00</b>	<b>0.00000</b>
<b>Speedway 605, Inc.<sup>1</sup></b>	<b>0.00</b>	<b>0.00000</b>
<b>Standard Oil Company of California</b>	--	--
(See Chevron U.S.A.)		
<b>Sterling Mutual Water Company</b>	<b>120.00</b>	<b>0.06072</b>
<b>Stoody, Virginia A., Co-trustee for the</b>	--	--
<b>Stoody, Winston F., Estate of</b>	--	--
(See Security Pacific National Bank, Co-trustee)		



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

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

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

**APPENDIX L**

**EXHIBIT "E" OF JUDGMENT  
TABLE SHOWING PRODUCTION  
RIGHT OF EACH INTEGRATED PRODUCER  
AS OF JUNE 30, 2020**

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>Aqua Capital Management LP<sup>1</sup></b>			
(Successor to:			
Susan K. Brierly	16.00	0.00	0.00000
Miles R. Rosedale	125.00	0.00	0.00000
Monrovia Nursery	24.00	0.00	0.00000
Lance Rosedale	22.00	0.00	0.00000
Richard VanLandingham) <sup>2</sup>	14.00	0.00	0.00000
(Transferred to:			
California Domestic Water Company) <sup>2</sup>	<u>-201.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Azusa, City of</b>	0.00	3,655.99	1.84988
(Successor to Monrovia Nursery Company) <sup>2</sup>	363.00	0.00	0.00000
(Transferred to Azusa Valley Water Company) <sup>2</sup>	<u>0.00</u>	<u>-3,359.79</u>	<u>-1.70000</u>
	<b>363.00</b>	<b>296.20</b>	<b>0.14988</b>
<b>Azusa Agricultural Water Company</b>	1,000.00	1,732.20	0.87647
(Transferred to:			
Azusa Valley Water Company	-830.00	-1,437.73	-0.72747
Azusa Valley Water Company) <sup>2</sup>	<u>-170.00</u>	<u>-294.47</u>	<u>-0.14900</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Azusa Foot-Hill Citrus Company</b>	718.50	0.00	0.00000
(Transferred to Monrovia Nursery Company) <sup>2</sup>	<u>-718.50</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Azusa Valley Water Company</b>	2,422.00	8,274.00	4.18652
(Successor to:			
Azusa Agricultural Water Company	830.00	1,437.73	0.72747
Azusa Agricultural Water Company	170.00	294.47	0.14900
City of Azusa) <sup>2</sup>	<u>0.00</u>	<u>3,359.79</u>	<u>1.70000</u>
	<b>3,422.00</b>	<b>13,365.99</b>	<b>6.76299</b>
<b>Brierly, Susan K.<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	24.00	0.00	0.00000
(Transferred to:			
Miles R. Rosedale	-8.00	0.00	0.00000
Aqua Capital Management) <sup>2</sup>	<u>-16.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>California-American Water Company</b>	1,672.00	3,649.00	1.84634
(Duarte System)			



INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>California Cities Water Company</b> (See Southern California Water Company, San Dimas District)	--	--	--
<b>California Domestic Water Company</b> (Successor to Aqua Capital Management LP) <sup>2</sup> (Transferred to Covina Irrigating Company) <sup>2</sup>	201.00 <u>-201.00</u> <b>0.00</b>	--	--
<b>Covina Irrigating Company</b> (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) <sup>2</sup> (Transferred to: California Domestic Water Company) <sup>2</sup>	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> <b>6,375.25</b>	2.09478  0.87737 0.15179 0.00304 0.17999 0.01113 0.00354 0.00305 0.00223 0.00163  <u>-0.10278</u> <b>3.22577</b>
<b>CV Glendora 3 Site, LLC</b> (See CV Santa Rosa Investments, LLC)	--	--	--
<b>CV Santa Rosa Investments, LLC<sup>1</sup></b> (Formerly CV Glendora 3 Site, LLC) (Successor to: Rosedale, Miles R. Monrovia Nursery Company) <sup>2</sup> (Transferred to: City of Glendora City of Glendora) <sup>2</sup>	  184.00 10.00  -116.00 <u>-78.00</u> <b>0.00</b>	  0.00 0.00  0.00 <u>0.00</u> <b>0.00</b>	  0.00000 0.00000  0.00000 <u>0.00000</u> <b>0.00000</b>
<b>DeFalco, John and Carole<sup>1</sup></b> (Successor to Nickowitz, at al.) <sup>2</sup>	 <u>1.49</u> <b>1.49</b>	 <u>0.00</u> <b>0.00</b>	 <u>0.00000</u> <b>0.00000</b>
<b>Glendora, City of</b> (Successor to: Maechtlen, Estate of J. J. Maechtlen, Trust of P. A. Ruebhausen, Arline Glendora Unified High School District)	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) <sup>2</sup>	<u>78.00</u>		
	<b>229.34</b>	<b>9,392.80</b>	<b>4.75261</b>
<b>Golden State Water Company, San Dimas District<sup>1</sup></b>	500.00	3,242.53	1.64067
(Formerly California Cities Water Company)			
(Successor to Namimatsu Farms) <sup>2</sup>		<u>196.00</u>	<u>0.09917</u>
	<b>500.00</b>	<b>3,438.53</b>	<b>1.73984</b>
<b>JUH#1<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	48.00	0.00	0.00000
(Transferred to Miles R. Rosedale) <sup>2</sup>	<u>-16.00</u>		
	<b>32.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Los Angeles, County of</b>	<b>310.00</b>	<b>3,721.30</b>	<b>1.88292</b>
<b>Maechtlen, Estate of J. J., Trustee for the Estate of P.A. Maechtlen</b>	0.00	301.50	0.15256
(Transferred to:			
City of Glendora		-150.00	-0.07590
Miller Brewing Company) <sup>2</sup>		<u>-151.50</u>	<u>-0.07666</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Maechtlen, Trust of J. J.<sup>1</sup></b>	1.49	0.00	0.00000
(Transferred to Otting, David;	-1.49	0.00	0.00000
Otting, Larry; and Webster, Scott) <sup>2</sup>			
(Successor to Otting, David;	1.49	0.00	0.00000
Otting, Larry; and Webster, Scott) <sup>2</sup>			
(Transferred to Nikowitz, et al) <sup>2</sup>	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Maechtlen, Trust of P. A.<sup>1</sup></b>	0.50	100.50	0.05085
(Transferred to:			
City of Glendora		-50.00	-0.02530
Alice B. Phillips, et al.) <sup>2</sup>	<u>-0.50</u>	<u>-50.50</u>	<u>-0.02555</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>The Metropolitan Water District of of Southern California</b>	<b>9.59</b>	<b>165.00</b>	<b>0.08349</b>
<b>Monrovia, City of</b>	1,098.00	5,042.22	2.55129
(Successor to:			
Eckis, Rollin		123.00	0.06224
City of Arcadia) <sup>2</sup>		<u>951.00</u>	<u>0.48119</u>
	<b>1,098.00</b>	<b>6,116.22</b>	<b>3.09472</b>

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>Monrovia Nursery Company</b>	239.50	0.00	0.00000
(Successor to Azusa Foothill Citrus Company) <sup>2</sup>	718.50	0.00	0.00000
(Transferred to:			
City of Azusa	-363.00	0.00	0.00000
Brierly, Susan K.	-24.00	0.00	0.00000
Rosedale, Miles R.	-191.00	0.00	0.00000
VanLandingham, Richard	-21.00	0.00	0.00000
JUH#1	-48.00	0.00	0.00000
Rosedale, Lance	-32.00	0.00	0.00000
CV Glendora 3 Site, LLC	-10.00	0.00	0.00000
Rosedale Jr., Harry E.	-168.00	0.00	0.00000
Rosedale, Miles R.	-77.00	0.00	0.00000
Aqua Capital Mangement LP) <sup>2</sup>	<u>-24.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Nikowitz, et al<sup>1</sup></b>			
(Successor to Maechtlen, Trust of J. J.) <sup>2</sup>	1.49	0.00	0.00000
(Held in common with Nikowitz, Sheryl M. and Walter P.; Pellegrino, Mark and Roxanne; Verdegem, Thomas and Sandra B.)			
(Transferred to DeFalco, John and Carole) <sup>2</sup>	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Otting, David; Otting, Larry; and Webster, Scott<sup>1</sup></b>			
(Successor to Maechtlen, Trust of J. J.) <sup>2</sup>	1.49	0.00	0.00000
(Transferred to Maechtlen, Trust of J. J.) <sup>2</sup>	<u>-1.49</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Phillips, Alice B., et al.<sup>1</sup></b>			
(Successor to Maechtlen, Trust of P. A.) <sup>2</sup>	0.50	50.50	0.02555
(Transferred to Miller Brewing Co.) <sup>2</sup>	<u>      </u>	<u>-50.00</u>	<u>-0.02530</u>
	<b>0.50</b>	<b>0.50</b>	<b>0.00025</b>
<b>Rosedale Jr., Harry E.<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	168.00	0.00	0.00000
(Transferred to Rosedale, Lucy A. and Harry Edwin III, Trustees of the Harry E. Rosedale Trust) <sup>2</sup>	<u>-168.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Rosedale, Lance<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	32.00	0.00	0.00000
(Transferred to:			
Rosedale, Miles R.	-10.00	0.00	0.00000
Aqua Capital Management LP) <sup>2</sup>	<u>-22.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>Rosedale, Lucy A. and Harry Edwin III, Trustees of the Harry E. Rosedale Trust<sup>1</sup></b>			
(Successor to Rosedale Jr., Harry E.) <sup>2</sup>	<b>168.00</b>	<b>0.00</b>	<b>0.00000</b>

INTEGRATED PRODUCER	DIVERSION COMPONENT ACRE-FEET	PRESCRIPTIVE PUMPING COMPONENT ACRE-FEET	PUMPING COMPONENT SHARE %
<b>Rosedale, Miles R.<sup>1</sup></b>			
(Successor to:			
Monrovia Nursery Company	191.00	0.00	0.00000
Susan K. Brierly	8.00	0.00	0.00000
JUH#1	16.00	0.00	0.00000
Monrovia Nursery Company	77.00	0.00	0.00000
Richard Van Landingham	7.00	0.00	0.00000
Lance Rosedale) <sup>2</sup>	10.00	0.00	0.00000
(Transferred to:			
CV Glendora 3 Site, LLC	-184.00	0.00	0.00000
Aqua Capital Management LP) <sup>2</sup>	<u>-125.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b>0.00</b>	<b>0.00</b>	<b>0.00000</b>
<b>VanLandingham, Richard<sup>1</sup></b>			
(Successor to Monrovia Nursery Company) <sup>2</sup>	21.00	0.00	0.00000
(Transferred to:			
Rosedale, Miles R.	-7.00	0.00	0.00000
Aqua Capital Management LP) <sup>2</sup>	<u>-14.00</u>	<u>0.00</u>	<u>0.00000</u>
	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00000</u></b>
<b>TOTAL</b>	<b>10,523.04</b>	<b>46,520.79</b>	<b>23.53881</b>

**APPENDIX L**

**EXHIBIT "K" OF JUDGMENT  
CONSUMPTIVE USE PORTIONS  
OF PRODUCERS WITH  
OVERLYING RIGHTS  
AS OF JUNE 30, 2020**

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

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, 2020**

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
Banks, Gale C. and Vicki L.	Gale and Vicki Banks
Brea, City of	William Gallardo
Cadway, Inc.	Lynda Noriega
California-American Water Company (Duarte System)	Garry Hofer
California-American Water Company (San Marino System)	Garry Hofer
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	Bret Kadel
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, 2020**

ACTIVE PARTY	DESIGNEE
Garnier Family Trust, Anton C. and Anita	Anton C. and Anita Garnier
Gates, James Richard	James Richard Gates
Glendora, City of	Steve Patton
Golden State Water Company - San Dimas District	Paul J. Rowley
Golden State Water Company - San Gabriel Valley District	Benjamin Lewis, Jr.
Green, Walter	James M. Byerrum
Hanson Aggregates West, Inc.	Brandon Saeteurn
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	Ben Jertberg
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	Arman Motavvef
Miller Coors LLC	John Van Nelson
Molson Coors USA LLC	Jennifer Kelley
Monrovia, City of	Sean Sullivan
Monterey Park, City of	Ron Bow
Moon Valley Nursery of California, Inc.	Joseph M. Dougherty
Munoz, Ralph E.	Ralph E. Munoz IV
NCL Co, LLC	Robert Bowcock
Nicholson Family Trust, The	M. L. Whitehead
Nicholson Family Trust - Marital Trust	M. L. Whitehead
Pellissier Irrevocable QTIP Trust, et al, Laurence R., Co-tenancy of	Lynda Noriega
Pico County Water District	Mark Grajeda
Progressive Buddhist Association, The	Sai A. Myint

**APPENDIX M**

**LIST OF ACTIVE PARTIES AND THEIR DESIGNEES**  
**June 30, 2020**

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 Canyon, LLC, 9447	Adrian Jayasinha
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	Julian Lee
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 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	Kyle Cason
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, 2020**

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	September 11, 2019	0298-DW-091119
0299	City of Covina	Destroy Well	2	September 11, 2019	0299-DW-091119
0300	City of Arcadia	Treatment Facility	Live Oak	February 5, 2020	0300-TR-020520



**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, 2020

Operable Unit			Total Water Treated		Total Contaminants Removed	
Treatment Facility Owner	Treatment Facility(s)	Start Date 1/	Fiscal Year 2019-20 (Acre-feet)	Accum. Total (Acre-feet)	Fiscal Year 2019-20 (Pounds)	Accum. Total (Pounds)
<b>AREA 3</b>						
ALHAMBRA, CITY OF	Well No. 7	July 2001	—	7,582.35	—	130.1
	Well No. 7, 8, 11 & 12	April 2009	1,665.37	28,716.17	246.1	1,159.6
<b>BPOU</b>						
CALIFORNIA DOMESTIC WATER COMPANY	Well No. 3, Well No. 5A Well No. 6, & Well No. 10	September 1993 April 1997	13,677.72	383,181.36	1,186.8	19,746.6
LA PUENTE VALLEY COUNTY WATER DISTRICT	Well No. 2, 3 & 4	August 1992	—	11,493.13	—	826.9
	Well No. 2, 3 & 5 (BPOU)	January 2000	3,822.80	67,704.91	401.7	11,951.7
SAN GABRIEL VALLEY WATER COMPANY	Well B6C 2/	April 1994	—	5,194.17	—	856.2
	Well B6D 2/	April 1994	—	14,526.27	—	421.7
	Plant B5 (BPOU)	January 2007	10,833.43	135,234.61	481.0	5,505.2
	Plant B6 (BPOU)	September 2004	9,034.03	132,211.50	1,957.3	26,921.6
VALLEY COUNTY WATER DISTRICT	Lante	June 1984	—	7,719.61	—	10,356.7
	Lante, SA1-1 & SA1-2 (BPOU)	December 2004	3,579.83	80,994.10	1,074.2	43,894.3
<b>EMOU</b>						
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	830.89	3,954.06	52.6	211.2
GOULD AND JOHNSON CONTROLS	EMOU (Shallow Zone)	October 2015	34.48	162.41	3.2	27.8
GOLDEN STATE WATER COMPANY (SGV)	Encinita No. 1, 2 & 3	April 1998	1,812.70	31,765.71	27.3	735.9
HERMETIC SEAL CORPORATION	Hermetic Seal	May 2012	50.68	456.56	5.3	43.3
<b>PVOU</b>						
BDP - CARRIER	Carrier	April 1988	0.00	6,789.57	0.0	2,843.1
<b>SEMOU</b>						
MONTEREY PARK, CITY OF	Well No. 5	September 1999	407.55	19,081.46	10.5	1,367.6
	Well No. 9 & 12, 15	April 2002	6,138.60	90,533.26	802.4	15,020.6
SAN GABRIEL VALLEY WATER COMPANY	Well 8B, 8C, 8D & 8E	August 2002	3,313.09	49,837.46	921.3	8,028.6
GOLDEN STATE WATER COMPANY (SGV)	San Gabriel No.1 & 2	November 2001	1,943.10	24,735.48	47.0	705.6
<b>WNOU</b>						
EPA	WNOU (Shallow Zone) 2/	December 1999	—	30,065.52	—	1,618.9
SAN GABRIEL VALLEY WATER COMPANY	WNOU (Intermediate Zone) 4/	December 2005	3,415.87	58,954.92	26.1	1,851.1
<b>PRODUCER FACILITY</b>						
ARCADIA, CITY OF	Longden 1 & 2	January 1985	890.14	71,542.16	8.1	758.8
BOZUNG	Well B36, F38, F39 & BC34 5/	October 1994	—	233.00	—	131.3
EL MONTE, CITY OF	Well No. 12	February 1997	81.32	16,459.25	14.8	1,176.4
	Well No. 10 2/	May 2004	—	6,380.82	—	43.4
	Well No. 2A	July 1999	614.23	11,646.45	4.6	159.3
EPA	Richwood (North Well) 6/ Richwood (South Well) 6/	April 1990 April 1990	—	451.98	—	5.8



Operable Unit	Treatment Facility(s)	Start Date 1/	Total Water Treated		Total Contaminants Removed	
Treatment Facility Owner			Fiscal Year 2019-20 (Acre-feet)	Accum. Total (Acre-feet)	Fiscal Year 2019-20 (Pounds)	Accum. Total (Pounds)
PRODUCER FACILITY						
GOLDEN STATE WATER COMPANY (SD)	Art 2 & 3, Base 3 & 4, Hwy 1	May 2005	11.90	19,563.37	0.0	366.5
GOLDEN STATE WATER COMPANY (SGV)	Garvey No. 3	June 2016	419.80	2,206.31	5.1	20.2
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	1,607.73	51,365.67	44.4	1,054.4
	Wells No. 3, 4 & 5	October 2007	2,631.73	24,584.89	7.4	209.6
MONTEREY PARK, CITY OF	Well No. 1, 3, 10 & Fern	June 2004	909.18	30,775.90	15.5	1,740.6
SAN GABRIEL VALLEY WATER COMPANY	Well 11B	March 1991	4.27	45,129.86	0.0	320.1
	Well B11B	March 1993	455.64	50,173.14	38.0	3,351.8
	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	213.93	4,862.47	6.8	81.6
SUBURBAN WATER SYSTEMS	Well No. 140W-4 2/	May 2001	—	2,247.59	—	16.2
VALLEY COUNTY WATER DISTRICT	Maine East & West	June 1990	2,776.80	60,894.12	0.0	1,831.2
	Nixon East & West	January 2004	4,081.03	57,617.37	0.0	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	11.90	335.01	7.1	192.6
	SEMOU	July 1999	—	3,885.19	—	1,558.5
		TOTAL		75,269.74	1,733,968.12	7,394.7

Footnotes:

1/ From date of beginning of operation.

2/ Well(s) 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/ \$115.00 9/ \$132.00 10/	10.00%
1991-92	\$12.50	\$5.00	\$1.50	\$0.30	--	\$178.40 8/ \$120.00 9/ \$176.40 10/	10.00%
1992-93	\$9.00	--	\$0.50	\$0.60	--	\$220.40 8/,10/ \$120.00 9/	10.00%
1993-94	\$6.00	--	\$0.50	\$1.10	--	\$235.10 8/,10/ \$120.00 9/	10.00%
1994-95	\$8.50	--	\$0.50	\$0.65	--	\$242.45 8/,10/ \$130.00 9/	10.00%
1995-96	\$8.50	--	\$0.50	\$0.65	--	\$242.45 8/ \$130.00 9/ \$239.00 10/	10.00%
1996-97	\$7.00	--	\$0.00	\$0.65	--	\$246.65 8/,10/ \$130.00 9/	10.00%
1997-98	\$7.00	--	\$0.00	\$1.50	--	\$246.65 8/ \$130.00 9/ \$245.00 10/	10.00%
1998-99	\$7.50	--	\$0.00	\$1.70	--	\$246.65 8/ \$130.00 9/ \$245.00 10/	10.00%

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/
2019-20	\$17.00	--	\$0.00	\$8.00	\$140.00	\$958.00 \$200.00 \$855.00	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 stormwater replenishment.

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

8/ Upper San Gabriel Valley Municipal Water District.

9/ San Gabriel Valley Municipal Water District.

10/ Three Valleys Municipal Water District.



## **APPENDIX Q**

### **WATER RESOURCES DEVELOPMENT ASSESSMENT ACCOUNTING TO EACH RESPONSIBLE AGENCY**





## APPENDIX Q

### WATER RESOURCE DEVELOPMENT ASSESSMENT ACCOUNTING TO EACH RESPONSIBLE AGENCY

#### RDA I (Emergency Supply)

Fiscal Year	Total Revenue (\$)	RDA I Requirement (AF)			
		Upper District	San Gabriel District	Three Valleys District	Total
2014-15	\$4,147,100	5,622	902	416	6,940
2015-16	\$3,635,325	4,713	761	342	5,816
2016-17	--	--	--	--	--
2017-18	--	--	--	--	--
2018-19	--	--	--	--	--
2019-20	--	--	--	--	--

#### RDA II (Stormwater Augmentation)

Fiscal Year	Total Revenue (\$)	RDA II Requirement (AF)			
		Upper District	San Gabriel District	Three Valleys District	Total
2014-15	--	--	--	--	--
2015-16	--	--	--	--	--
2016-17	\$7,800,938	9,236	1,492	670	11,398
2017-18	\$14,461,257	15,297	2,471	1,110	18,878
2018-19	\$19,735,063	20,056	3,240	1,455	24,751
2019-20	\$26,679,206	25,603	1,858	4,136	31,597

Percentages: 81.03% in UD, 5.88% in TVD, and 13.09% in SGD



**APPENDIX R**

**ADMINISTRATION BUDGET**  
**2020-2021**





## 2020-21 Adopted Administration Budget

### Attachment "A"

	2019-20 Adopted Budget	2019-20 Estimated Actual	2020-21 Adopted Budget
<b>REVENUE</b>			
Administrative Assessment*	\$ 2,925,000	\$ 2,827,024	3,145,000
Settlement Income	-	-	-
Section 28 - Staff Reports/Permits	-	-	-
BPOU Reimbursements	130,000	100,000	130,000
Interest Income	60,000	66,000	50,000
Admin/Other Income	286,200	286,000	292,200
Transfer-Special Assessment Fund	-	-	54,220
Forward from Previous Fiscal Year	1,309,842	1,826,681	1,065,305
<b>TOTAL REVENUE</b>	<b>\$ 4,711,042</b>	<b>\$ 5,105,705</b>	<b>\$ 4,736,725</b>
<b>EXPENSES</b>			
Watermaster Board Compensation	\$ 20,000	\$ 18,000	20,000
Salaries, Benefits & Employee Development	1,682,300	1,580,000	1,699,300
Meeting and Travel	21,000	25,000	25,000
Vehicle Expense	11,000	9,000	11,000
Insurance	32,000	25,700	32,000
Office Supplies, Services, Rent and O&M	277,500	263,000	287,500
Legal Services	575,000	275,000	500,000
Audit	20,000	18,700	25,000
Ready-to-Serve Charges**	99,500	-	-
Public Education	120,000	320,000	190,000
Engineering	422,500	366,000	443,500
Production Reporting	5,000	5,000	5,000
Inspection/Meter Checks	40,000	40,000	40,000
Water Quality Monitoring	916,000	920,000	1,096,000
Water Quality Management	215,000	175,000	215,000
Contingency (Balance Figure)	254,242	-	147,425
<b>TOTAL EXPENSES</b>	<b>\$ 4,711,042</b>	<b>\$ 4,040,400</b>	<b>\$ 4,736,725</b>

\* Figure based on Administrative Assessment of \$17.00/AF (\$17.00/AF X 185,000 AF = \$3,145,000)

**\*\*Moved Ready-to-Serve Charges to Replacement Water Fund.**



**APPENDIX S**

**AUDIT OF FINANCIAL STATEMENTS**





**MAIN SAN GABRIEL BASIN WATERMASTER  
REPORT ON AUDIT OF FINANCIAL STATEMENTS AND  
SUPPLEMENTARY INFORMATION  
YEARS ENDED JUNE 30, 2020 AND 2019**



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**MAIN SAN GABRIEL BASIN WATERMASTER  
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**Watermaster Board  
Main San Gabriel Basin Watermaster**

***Opinion***

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Main San Gabriel Basin Watermaster as of June 30, 2020 and 2019, and the results of its operations and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

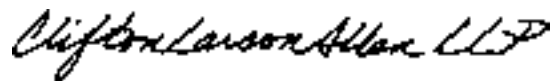
***Other Matter***

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.

**Report on Supplementary Information**

***Other Information***

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplementary information on pages 21 through 23 is presented for purposes of additional analysis and is not a required part of the financial statements. Such information is the responsibility of management and derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits 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.



**CliftonLarsonAllen LLP**

Glendora, California  
September 30, 2020



CliftonLarsonAllen LLP  
CLAconnect.com

## INDEPENDENT AUDITORS' REPORT

Watermaster Board  
Main San Gabriel Basin Watermaster  
Azusa, California

### **Report on the Financial Statements**

We have audited the accompanying financial statements of Main San Gabriel Basin Watermaster (Watermaster), which comprises the balance sheets as of June 30, 2020 and 2019, 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 auditors' 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 accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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

**MAIN SAN GABRIEL BASIN WATERMASTER  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020 AND 2019**

**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 Assessment. 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 2019-20. 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 (RDA) as a source of funding to pre-purchase water for basin storage and reliability. On May 14, 2014, the Board adopted Resolution No. 05-14-263 establishing the RDA 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 for an additional delivery was 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.

**MAIN SAN GABRIEL BASIN WATERMASTER  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020 AND 2019**

**Background (continued)**

On May 1, 2019, the Watermaster Board adopted Resolution No. 05-19-296 setting FY the 2018-19 assessment rates, including RDA, on all water produced during FY 2018-19. 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, 2020, Watermaster's Total Assets increased by 16.8% to \$44.105 million, including an increase of 12.4% in Net Assets to \$37.773 million. The Administrative Fund had a net increase of \$932,000 primarily due to 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 increase of \$3.065 million primarily due to the \$2.3 million reimbursement agreement with lower area parties for WNOU water, and \$436,000 in LAIF Interest Earned, while the San Gabriel Valley Municipal Water District's (SGVMWD) deferred Replacement Water Obligation was offset by Cyclic Storage pre-deliveries. The Make-Up Obligation Fund also had a net increase of \$182,500 as a benefit of the increased LAIF rates.

Current liabilities include accounts payable of \$1.9 million of RDA Water that SGVMWD was unable to deliver, and \$722,000 for reimbursement agreement with lower area parties for Production Year 2018-19. This year also includes a \$2.4 million collected from Producers incurring a Replacement Water obligation. The Replacement Water order will be fulfilled by the end of the 2020 calendar year.

Noncurrent liabilities decreased by \$3,875 for payments towards the telephone system and increased by \$8,165 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 2019-20, the Board approved the COLA, 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, 2020, is greater than the projected Accumulated Postretirement Benefit Obligation at June 30, 2020, by \$140,000.

**Review of Revenues and Expenses**

The Administrative Assessment revenue decreased from the prior year by \$286,800 due to lower production (188,468.23 AF assessed in FY 2019-20 for water produced in 2018-19 vs. 207,587.43 AF assessed in FY 2018-19 for water produced in 2017-18), with the assessment remaining the same at \$15 per acre-foot. The increase in Administrative and General expenses to prior year is \$199,000, for Water Quality Monitoring was \$254,000, and for Engineering Fees was \$22,000, while there was a decrease to overall Water Quality Management costs to prior year by \$13,000.

Operating revenues in the Replacement Water Fund increased by \$3.2 million primarily due to the RDA Assessment going from \$70/AF to \$105/AF, which was also offset by a lower overproduction due to prior year's increased producer cyclic storage orders. Also, with decreased production, there was a lower Replacement Water Obligation. In FY 2019-20, Cyclic Storage Water purchases decreased by \$10 million from prior year, which includes an offset of \$2 million for pre-deliveries.

**MAIN SAN GABRIEL BASIN WATERMASTER  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020 AND 2019**

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

Also, in FY 2019-20, there was an increase in Water Purchases Expense by \$2.0 million as a result of the greater RDA Water Purchases, less reduced Replacement Water Obligation.

The In-Lieu Assessment revenue decreased by \$188,200 due to lower production, while the assessment remained the same at \$10 per acre-foot. This assessment covers the Direct Delivery In-Lieu Water Purchases Program (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 2019-20, 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 2019-20 Administration Budget to Actual Revenues and Expenses**

Administrative Assessment revenue came in lower than the budgeted amount due to lower water production during the fiscal year. Other Income and Reimbursements was \$65,000 lower than budgeted due to the timing of \$22,000 for RBMB June Administrative Services payment received after the audit, and not being material to adjust. Also, BPOU Reimbursement for Labor and Overhead came in \$43,000 lower than budgeted due to staff efficiencies and fewer in-person meetings. Interest Income was \$16,500 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 17%. MWD Carson Recycled Water Project Budget \$15,000, spent \$4,500, saved \$10,500 due to delays in MWD's project development and approvals. We also saw savings in our budget for Model Upgrades in conjunction with the MWD project. Drought Management Planning Budget was \$24,000 and we only spent \$7,600, saving \$16,400 mainly because of average rainfall during the year. Additionally, savings were seen in WQ Management under Section 28 Staff Reports (\$40,000 Budget, \$27,800 spent, saved \$12,200), Groundwater Monitoring Network (\$110,000 Budget, \$90,000 spent, \$20,000 savings), and the Quagga Mussel Plan item (\$15,000 Budget, \$4,300 spent, \$10,700 saved). WQ Monitoring was under budget by \$116,700 primarily due to the timing of invoices for Title 22, UCMR4, and PFAS lab costs for work completed during the fiscal year, but invoiced after.

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 2019-20 were 75% lower than budgeted.

Areas of higher than budgeted expenditures include General Engineering which included Federal/State General, WNOU, and EMOU. General Engineering we budgeted \$40,000 and spent \$56,300 resulting in an overage of \$16,300 primarily a result of additional work associated to additional review of basin clean-up studies and modeling reports. WNOU coordination was budgeted for \$15,000, however we spent \$29,700, \$14,700 over and this was a result of working with Los Angeles County Parks and Recreation regarding their use of the WNOU water at Legg Lakes. Our budget for the EMOU was \$3,000 and we spent \$17,600, leaving us \$14,600 over because of additional review of EPA alternatives for the revised remedy expected out in FY 20-21. Additionally, Public Education was higher due to the basin outreach endeavor mainly as a result of work associated to focus group investigations of our outreach material.



**MAIN SAN GABRIEL BASIN WATERMASTER  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
JUNE 30, 2020 AND 2019**

**Comparison of FY 2019-20 Administration Budget to Actual Revenues and Expenses  
(continued)**

Budget savings were seen in several areas including salaries & benefits, posting 7% lower than expected, primarily a result of staff changes (new employees lower on salary schedule), lower Employee Educational Reimbursement, and fewer employee training sessions. Overall Office Expenses reduced by approximately 36% as a result of a reduction in office supplies primarily due to working remotely because of the COVID-19 Pandemic, a reduction in electronic record keeping (scanning of old files), and not using the \$10,000 for Administrative Services per Executive Officer's Contract. This year, during the budget process, Watermaster moved the Ready-to-Serve Charge expense from the Administrative Budget to the Replacement Fund as part of the Water Purchases expense in the amount of \$99,500. The contingency line item of \$254,200 was left unused for FY 2019-20.

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

**MAIN SAN GABRIEL BASIN WATERMASTER  
BALANCE SHEETS  
JUNE 30, 2020 AND 2019**

	<u>2020</u>	<u>2019</u>
<b>ASSETS</b>		
<b>CURRENT ASSETS</b>		
Cash and Cash Equivalents	\$ 35,323,970	\$ 29,232,409
Accounts Receivable	-	316,296
Due from BPOU Committee	900,602	277,666
Accrued Interest Receivable	102,688	148,284
Prepaid Water Purchases and Other Expenses	7,760,661	7,761,990
Employee Loans Receivable	2,494	634
Total Current Assets	<u>44,090,415</u>	<u>37,737,279</u>
<b>NONCURRENT ASSETS</b>		
Equipment and Leasehold Improvements, Net	<u>14,732</u>	<u>21,353</u>
Total Noncurrent Assets	<u>14,732</u>	<u>21,353</u>
Total Assets	<u>\$ 44,105,147</u>	<u>\$ 37,758,632</u>
<b>LIABILITIES AND NET ASSETS</b>		
<b>CURRENT LIABILITIES</b>		
Accounts Payable	\$ 5,822,756	\$ 3,683,988
Accrued Payroll	77,892	74,120
Accrued Vacation	73,593	54,461
Current Portion of Long-Term Debt	3,875	3,551
Total Current Liabilities	<u>5,978,116</u>	<u>3,816,120</u>
<b>NONCURRENT LIABILITIES</b>		
Noncurrent Portion of Long-Term Debt	3,498	7,373
Postretirement Benefit Obligation	350,417	342,252
Total Noncurrent Liabilities	<u>353,915</u>	<u>349,625</u>
Total Liabilities	6,332,031	4,165,745
<b>NET ASSETS</b>		
Without Restriction - Administrative	10,127,566	9,195,515
Legally Restricted - Replacement	14,002,338	10,936,668
Legally Restricted - Make-Up	13,643,212	13,460,704
Total Net Assets	<u>37,773,116</u>	<u>33,592,887</u>
Total Liabilities and Net Assets	<u>\$ 44,105,147</u>	<u>\$ 37,758,632</u>

See accompanying Notes to Financial Statements.

**MAIN SAN GABRIEL BASIN WATERMASTER  
STATEMENTS OF REVENUES, EXPENSES, AND CHANGE IN NET ASSETS  
YEARS ENDED JUNE 30, 2020 AND 2019**

	<u>2020</u>	<u>2019</u>
<b>OPERATING REVENUES</b>		
Administrative Assessments, Net	\$ 2,827,024	\$ 3,113,811
In-Lieu Assessments	1,884,455	2,072,656
Replacement Assessments, Net	23,088,203	19,817,239
Cyclic Storage	11,253,553	19,288,172
Other Income and Reimbursements	<u>350,949</u>	<u>379,642</u>
Total Operating Revenues	<u>39,404,184</u>	<u>44,671,520</u>
<b>OPERATING EXPENSES</b>		
Water Purchases	22,500,571	20,541,251
Cyclic Storage	9,207,970	19,288,172
Engineering Fees	383,430	361,403
Water Quality Monitoring	799,307	545,577
Water Quality Management	173,308	186,638
Administrative and General	2,482,141	2,282,976
Depreciation Expense	<u>6,620</u>	<u>7,854</u>
Total Operating Expenses	<u>35,553,347</u>	<u>43,213,871</u>
In-Lieu Expenses	<u>482,069</u>	<u>490,099</u>
Total Expenses	<u>36,035,416</u>	<u>43,703,970</u>
<b>OPERATING INCOME</b>	3,368,768	967,550
<b>NONOPERATING REVENUES (EXPENSES)</b>		
Interest Income and Other Income (Expense)	798,693	772,490
Postretirement-Related Changes		
Other than Net Periodic Benefit Cost	<u>12,768</u>	<u>11,828</u>
Total Nonoperating Revenues	<u>811,461</u>	<u>784,318</u>
<b>CHANGES IN NET ASSETS</b>	4,180,229	1,751,868
Net Assets - Beginning of Year	<u>33,592,887</u>	<u>31,841,019</u>
<b>NET ASSETS - END OF YEAR</b>	<u><u>\$ 37,773,116</u></u>	<u><u>\$ 33,592,887</u></u>

See accompanying Notes to Financial Statements.

**MAIN SAN GABRIEL BASIN WATERMASTER  
STATEMENTS OF CASH FLOWS  
YEARS ENDED JUNE 30, 2020 AND 2019**

	<u>2020</u>	<u>2019</u>
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>		
Change in Net Assets	\$ 4,180,229	\$ 1,751,868
Adjustments to Reconcile Changes in Net Assets to Net Cash Provided by Operating Activities:		
Depreciation	6,620	7,854
Postretirement Benefit Related Changes	8,165	16,413
Changes in Operating Assets and Liabilities:		
Accounts Receivable	316,297	(58,149)
Due from BPOU Committee	(622,936)	(137,521)
Prepaid Expenses	1,329	1,465
Accounts Payable	2,138,768	1,899,098
Accrued Payroll and Benefits	22,904	87,466
Deferred Revenue	-	(32,180)
Net Cash Provided by Operating Activities	<u>6,051,376</u>	<u>3,536,314</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>		
Net Change in Accrued Interest Receivable	45,596	(61,507)
Purchase of Fixed Assets	-	(5,405)
Cash Received (Advanced) for Employee Loans	<u>(1,860)</u>	<u>3,699</u>
Net Cash Used by Investing Activities	43,736	(63,213)
<b>CASH FLOWS FROM FINANCING ACTIVITIES:</b>		
Cash Paid for Principal Payments on Note	<u>(3,551)</u>	<u>(3,255)</u>
Net Cash Used by Financing Activities	<u>(3,551)</u>	<u>(3,255)</u>
<b>NET INCREASE IN CASH AND CASH EQUIVALENTS</b>	6,091,561	3,469,846
Cash and Cash Equivalents - Beginning of Year	<u>29,232,409</u>	<u>25,762,563</u>
<b>CASH AND CASH EQUIVALENTS - END OF YEAR</b>	<u><u>\$ 35,323,970</u></u>	<u><u>\$ 29,232,409</u></u>

*See accompanying Notes to Financial Statements.*

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**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.

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**Basis of Accounting and Financial Statement Presentation (Continued)**

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

- Cash and cash equivalents without restriction at June 30, 2020 and 2019 include \$490,048 and \$423,350, 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, 2020 and 2019, 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, 2020 and 2019 was \$6,620 and \$7,854, respectively.

**Income Taxes**

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

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**Income Taxes (Continued)**

U.S. 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 Watermaster, and has concluded that as of June 30, 2020, 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. Nonoperating 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 U.S. 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.

**Change in Accounting Principles**

Watermaster has adopted Accounting Standards Update (ASU) No. 2018-08 *Not-for-Profit Entities: Clarifying the Scope and the Accounting Guidance for Contributions Received and Contributions Made (Topic 958)*. Management's analysis of the various provisions of this standard resulted in no significant changes in the way the Agency recognizes revenue, and therefore, no changes to the previously issued audited financial statements were required.

In 2019, the Financial Accounting Standards Board's (FASB) Accounting Standards Codification *Revenues from Contracts with Customers (Topic 606)* became effective. The standard requires the recognition of revenue when promised goods or services are transferred to customers in an amount that reflects the consideration to which an entity expects to be entitled in exchange for those goods or services.

In early 2020, the FASB issued an accounting standards update to allow certain companies and organizations who have not yet applied the revenue recognition guidance to delay their implementation by one year and Watermaster has elected to delay the implementation. Management is currently evaluating the impact of implementation on the Agency's financial position and results of operations upon adoption of the new standard.

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**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.

**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:

	2020	2019
Furniture and Equipment	\$ 212,607	\$ 223,912
Leasehold Improvements	27,496	27,496
	240,103	251,408
Less Accumulated Depreciation	(225,371)	(230,055)
Equipment and Leasehold Improvements, Net	<u>\$ 14,732</u>	<u>\$ 21,353</u>



**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**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:

<u>Year Ending June 30,</u>	<u>Future Principal Payments</u>
2021	\$ 3,875
2022	3,498
Total	<u>\$ 7,373</u>

**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, 2020 and 2019 was \$87,760, and \$80,022, 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, 2020. 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 noncancelable leases. Future minimum rental commitments under these leases are as follows:

<u>Year Ending June 30,</u>	<u>Minimum Lease Commitment</u>
2021	\$ 12,099
2022	12,099
2023	9,806
2024	8,659
2025	2,165
Total	<u>\$ 44,828</u>

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**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 6.75% of their annual covered salary. Watermaster makes the contributions required of the Classic Members on their behalf and for their account, but does not make the contributions required of the PEPRA Members. Watermaster is required to contribute annually at actuarially determined rates; the current rates are 10.221% and 6.985% 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, 2020, Watermaster's annual pension cost of \$231,898 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, 2019 measurement date, the most recent actuarial valuation date available:

	Plan-Wide Information (in thousands)
Total Pension Liability	\$ 41,426,453
Less: Plan Fiduciary Net Position	31,179,414
Plan Net Pension Liability	<u>\$ 10,247,039</u>
Funded Ratio	75.26%

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**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 age of 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, 2020, the fund's designated balance was \$490,048.

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

	<u>2020</u>	<u>2019</u>
Plan Obligations and Funded Status:		
Projected Benefit Obligation at June 30	\$ 350,417	\$ 342,252
Plan Assets at Fair Value at June 30	-	-
Unfunded Status at End of Year	<u>\$ 350,417</u>	<u>\$ 342,252</u>
Employer Contributions	\$ 13,272	\$ 13,657
Plan Participants' Contributions	-	-
Benefits Paid	13,272	13,657

Amount recognized in the balance sheets at June 30, 2020 and 2019 consists of:

	<u>2020</u>	<u>2019</u>
Other Postretirement Benefit Obligation	<u>\$ 350,417</u>	<u>\$ 342,252</u>

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**NOTE 7 POSTRETIREMENT HEALTH BENEFIT PLAN (CONTINUED)**

Amount recognized in the statements of revenues, expenses, and changes in net assets at June 30, 2020 and 2019 consists of

	<u>2020</u>	<u>2019</u>
Service Cost	\$ 17,717	\$ 17,036
Interest Cost	13,420	13,034
Amortization of Unrecognized Net (Gain)/Loss	<u>3,068</u>	<u>11,828</u>
Net Periodic Benefit Cost	<u>34,205</u>	<u>41,898</u>
 Total Postretirement-Related Changes Other than Net Periodic Benefit Cost	 <u>(12,768)</u>	 <u>(11,828)</u>
Total Amount Recognized in the Statement of Revenues, Expenses, and Changes in Net Assets	 <u>\$ 21,437</u>	 <u>\$ 30,070</u>

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

	<u>2020</u>	<u>2019</u>
Actuarial Loss	\$ (61,346)	\$ (74,115)
Amounts Previously Recognized in Unrestricted Net Assets, not yet Recognized as Periodic Benefit Cost at June 30	 <u>\$ (61,346)</u>	 <u>\$ (74,115)</u>

Weighted-average assumption used to determine benefit obligations as of June 30, 2020 and 2019:

	<u>2020</u>	<u>2019</u>
Discount Rate	4.00%	4.00%
Expected Long-Term Return on Plan Assets	N/A	N/A
Rate of Compensation	N/A	N/A
 Health Care Cost Trend Rate Assumed for Next Year	 6.50%	 6.50%
Rate to Which the Cost Trend Rate is Assumed to Decline (the Ultimate Rate)	5.00%	5.00%
Year that the Rate Reaches the Ultimate Trend Rate	5+ Years	5+ Years

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**NOTE 7 POSTRETIREMENT HEALTH BENEFIT PLAN (CONTINUED)**

Watermaster expects to contribute \$14,076 to the plan during the next fiscal year ended June 30, 2021. The following is a projection of expected future benefit payments under the plan:

<u>Year Ending June 30,</u>	<u>Amount</u>
2021	14,076
2022	20,669
2023	23,508
2024	27,563
2025	36,048
Thereafter	127,009
Total	<u>\$ 248,873</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% 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 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 five-year payment plan, based on the RDA II assessment policy criteria.

**MAIN SAN GABRIEL BASIN WATERMASTER  
NOTES TO FINANCIAL STATEMENTS  
JUNE 30, 2020 AND 2019**

**NOTE 8 WATER RESOURCE DEVELOPMENT ASSESSMENT (CONTINUED)**

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 payors. 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 RISKS AND UNCERTAINTIES**

In early 2020, the World Health Organization declared the spread of Coronavirus Disease (COVID-19) a worldwide pandemic. The COVID-19 pandemic is having significant effects on global markets, supply chains, businesses, and communities. Specific to the Agency, COVID-19 may impact various parts of its 2020 operations and financial results including, but not limited to, decreased revenue and decreased payroll expenses. Management believes the Agency is taking appropriate actions to mitigate the negative impact. However, the full impact of COVID-19 is unknown and cannot be reasonably estimated as these events are still developing.

**NOTE 11 SUBSEQUENT EVENTS**

Management evaluated subsequent events through September 30, 2020, the date the 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  
SCHEDULE OF REVENUES, EXPENSES, AND  
CHANGE IN NET ASSETS—ADMINISTRATIVE FUND  
YEAR ENDED JUNE 30, 2020  
(SEE INDEPENDENT AUDITORS' REPORT)**

	Annual Budget/ (Unaudited)	Actual	Budget vs. Actual
<b>OPERATING REVENUES</b>			
Administrative Assessments, Net	\$ 2,925,000	\$ 2,827,024	\$ (97,976)
In-Lieu Assessments	1,884,455	1,884,455	-
Other Income and Reimbursements	416,200	350,949	(65,251)
Total Operating Revenues	<u>5,225,655</u>	<u>5,062,428</u>	<u>(163,227)</u>
<b>OPERATING EXPENSES</b>			
Watermaster Compensation	20,000	7,400	(12,600)
Salaries and Benefits	1,682,300	1,558,134	(124,166)
Meeting and Travel	21,000	20,984	(16)
Vehicle Expense	11,000	9,464	(1,536)
Insurance	32,000	25,703	(6,297)
Engineering Fees	422,500	349,323	(73,177)
Production Reporting	5,000	3,446	(1,554)
Legal Fees	575,000	144,917	(430,083)
Accounting and Auditing	20,000	18,700	(1,300)
Inspection and Meter Charges	40,000	30,661	(9,339)
Contingencies	254,242	-	(254,242)
Water Quality Monitoring	916,000	799,307	(116,693)
Depreciation Expense	-	6,620	6,620
Bad Debt Expense	-	93	93
Water Quality Management	215,000	173,308	(41,692)
Public Education	120,000	377,805	257,805
Building Lease	95,000	87,760	(7,240)
Office Improvements	6,000	1,487	(4,513)
Postage and Meter Lease	7,000	4,913	(2,087)
Copier Lease/Usage	11,500	9,806	(1,694)
Telephone	10,500	4,163	(6,337)
Printing	13,000	5,779	(7,221)
Office Supplies and Services	45,000	28,697	(16,303)
Dues	32,000	28,031	(3,969)
Equipment Maintenance Agreements	44,000	34,322	(9,678)
Computer/office Equipment	13,500	6,822	(6,678)
Total Operating Expenses	<u>4,611,542</u>	<u>3,737,645</u>	<u>(873,897)</u>
In-Lieu Expenses - Alhambra Exchange and Capacity Charge	482,069	482,069	-
Total Expenses	<u>5,093,611</u>	<u>4,219,714</u>	<u>(873,897)</u>
<b>OPERATING INCOME</b>	132,044	842,714	710,670
<b>NONOPERATING REVENUES (EXPENSES)</b>			
Interest Income and Other Income (Expense)	60,000	76,569	16,569
Unrealized Loss on Investments	-	-	-
Postretirement-Related Changes Other than Net Periodic Benefit Cost	-	12,768	12,768
Total Nonoperating Revenues	<u>60,000</u>	<u>89,337</u>	<u>29,337</u>
<b>CHANGE IN NET ASSETS</b>	<u>\$ 192,044</u>	932,051	<u>\$ 740,007</u>
Net Assets - Beginning of Year		<u>9,195,515</u>	
<b>NET ASSETS - END OF YEAR</b>		<u>\$ 10,127,566</u>	



**MAIN SAN GABRIEL BASIN WATERMASTER  
SCHEDULE OF REVENUES, EXPENSES, AND  
CHANGE IN NET ASSETS—REPLACEMENT WATER FUND  
YEAR ENDED JUNE 30, 2020  
(SEE INDEPENDENT AUDITORS' REPORT)**

<b>OPERATING REVENUES</b>	
Assessments, Net	\$ 23,088,203
Cyclic Storage Water	<u>11,253,553</u>
Total Revenues	<u>34,341,756</u>
<b>OPERATING EXPENSES</b>	
Water Purchases	5,127,221
Water Purchases - RDA II	17,373,350
Cyclic Storage Water	9,207,970
Bad Debt Expense	<u>3,661</u>
Total Expenses	<u>31,712,202</u>
<b>OPERATING INCOME</b>	2,629,554
<b>NONOPERATING REVENUES</b>	
Interest Income	<u>436,116</u>
Nonoperating Revenues	<u>436,116</u>
<b>CHANGE IN NET ASSETS</b>	3,065,670
Net Assets - Beginning of Year	<u>10,936,668</u>
<b>NET ASSETS - END OF YEAR</b>	<u><u>\$ 14,002,338</u></u>

**MAIN SAN GABRIEL BASIN WATERMASTER  
SCHEDULE OF REVENUES, EXPENSES, AND  
CHANGE IN NET ASSETS—MAKE-UP OBLIGATION FUND  
YEAR ENDED JUNE 30, 2020  
(SEE INDEPENDENT AUDITORS' REPORT)**

<b>OPERATING EXPENSES</b>	
San Gabriel River Watermaster	\$ 103,500
Net Operating Expenses	<u>103,500</u>
<b>OPERATING LOSS</b>	(103,500)
<b>NONOPERATING REVENUES</b>	
Interest Income	286,008
Nonoperating Revenues	<u>286,008</u>
<b>CHANGE IN NET ASSETS</b>	182,508
Net Assets - Beginning of Year	<u>13,460,704</u>
<b>NET ASSETS - END OF YEAR</b>	<u><u>\$ 13,643,212</u></u>





MainSanGabrielBasin  
**WATERMASTER**

#### **WATERMASTER BOARD**

**Lynda Noriega**, Chair – California Domestic Water Company

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

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

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

**David De Jesus**, Covina Irrigating Company

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

**Benjamin Lewis, Jr.**, Golden State Water Company

**Steven Placido**, San Gabriel Valley Municipal Water District

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

#### **EXECUTIVE OFFICER**

**Anthony C. Zampielo**

725 North Azusa Avenue • Azusa, California 91702

Telephone (626) 815-1300 • Fax (626) 815-1303

[www.watermaster.org](http://www.watermaster.org)