



SANTA CLARA VALLEY WATER DISTRICT

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# NON-AGENDA

## January 10, 2020

**Board Policy EL-7 Communication and Support to the Board**  
*The BAOs shall inform and support the Board in its work.*

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### **CEO BULLETIN & NEWSLETTERS**

- 4 CEO Bulletin: 01/03/20 – 01/09/20
- 8 Water Tracker – January 2020
- 10 City of Sunnyvale - Notice of City Council Reorganization

### **BOARD MEMBER REQUESTS & INFORMATIONAL ITEMS**

#### **BMR/IBMR Weekly Reports: 01/09/20**

12 Memo from Nina Hawk, COO to the Board dated 1/3/20 responding to Director Kremen's request - What has been the all-in cost of water/acre-foot from our recycling plant in the last 12 and 24 months? What is the name plate rating on water production and what have we produced in the last 12 and 24 months? **(IBMR-19-0024)**.

14 Memo from Ngoc Nguyen, DOO to Norma Camacho, CEO dated 1/2/20 providing a report of properties acquired under Executive Limitations 6.7.1.

17 Memo from Melanie Richardson, COO to the Board dated 1/2/20 regarding Anderson Dam Seismic Retrofit Project Interim Risk Reduction Measures – Reservoir Operating Level.

24 Memo from Nina Hawk, COO to the Board dated 1/7/20 providing San Jose Water Company PFOS Notification.

34 Memo from Darin Taylor, CFO to the Board dated 1/10/20 providing the monthly and quarterly Report of Investments as of December 31, 2019.

### **INCOMING BOARD CORRESPONDENCE**

#### **Board Correspondence Weekly Report: 01/09/20**

76 Email from David Lane to the Board dated 1/4/20 regarding May 2009 to January 2020 – Community Cleanups, Year-End Report (C-20-0001).

77 Email from Dale Tibbils to the Board dated 1/5/20 regarding recent Valley Water Communications on climate change (C-20-0002).

80 Letter from Shawn Storm, P.E. to the Board dated 1/2/20 regarding water conservation opportunities (C-20-0003).

81 Email from Megha Karthik to the Board dated 1/6/20 regarding summer internship opportunities (C-20-0004).

82 Email from Craig Larsen to Directors Santos and Keegan dated 1/6/20 regarding homeless encampment and trash in Saratoga Creek at El Camino Real in Santa Clara (C-20-0005).

- 87 Email notification from Doug Tissier to Chair LeZotte dated 1/7/20 regarding a petition that has been started to eliminate homeless encampments along Guadalupe Creek in District 10 of San Jose (C-20-0006).
- 92 Email from Dhruv Khanna to the Board dated 1/9/20 regarding farming versus cement/asphalt/semiconductors/software production in the county (C-20-0007).

**OUTGOING BOARD CORRESPONDENCE**

None.

# **CEO BULLETIN**

# CEO BULLETIN



To: Board of Directors  
From: Norma J. Camacho, CEO

Week of January 3 – January 9, 2020

Board Executive Limitation Policy EL-7:

*The Board Appointed Officers shall inform and support the Board in its work. Further, a BAO shall 1) inform the Board of relevant trends, anticipated adverse media coverage, or material external and internal changes, particularly changes in the assumptions upon which any Board policy has previously been established and 2) report in a timely manner an actual or anticipated noncompliance with any policy of the Board.*

Item	IN THIS ISSUE
<u>1</u>	<b>Completion of the sale of the surplus property located at 110 South Sunset Avenue, San Jose, CA 95116</b>
<u>2</u>	<b>Headquarters' Cafeteria Receives a Refresh to Become a Multi-Functional Space</b>
<u>3</u>	<b>Valley Water to Attend Annual State-wide CUPA (Certified Unified Program Agencies) Conference</b>
<u>4</u>	<b><u>Kremen</u> Provide Director Kremen with all District 7 Access Valley Water comments for the last 24 months. I-19-0022</b>
<u>5</u>	<b><u>LeZotte and Santos</u> Chairperson LeZotte and Director Santos requested that staff investigate SJPD's non-response to a 12/20/19 traffic incident adjacent to the PWTP, and provide the Board written information on how such an incident should have been addressed, given its proximity to the WTP. I-19-0025</b>

## 1. Completion of the sale of the surplus property located at 110 South Sunset Avenue, San Jose, CA 95116

On December 31, 2019, escrow was closed on the sale of the surplus property located at 110 South Sunset Avenue in San Jose and the deed was recorded conveying the surplus property to the buyer. Valley Water met the buyer on site and delivered the keys after a walk-through of the property. Valley Water deposited the escrow check in the amount of \$527,000, representing the balance due on the sale price of \$573,000, into Valley Water's accounts receivable. The sale of the surplus property at located at 110 South Sunset Avenue in San Jose has been completed.

For further information, please contact Ngoc Nguyen at (408) 630-2632.

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## 2. Headquarters' Cafeteria Receives a Refresh to Become a Multi-Functional Space

Valley Water has been working hard planning a refresh to the Headquarters Cafeteria. The Almaden Campus continues to increasingly need more meeting space and areas for staff to collaborate

outside of their personal workstations.

During the annual year-end cafeteria shutdown, Facilities Management took this time to refresh the dining area of the cafeteria. This dining area serves not only employees, but also Board Members and external agencies visiting our campus.

This exciting project included:

- cleaning and polishing the existing tile
- replacing the carpeting in the dining area with new tile to complement the existing tile
- painting the walls to include accent walls that coordinate with Valley Water's new re-branding effort, and
- installing a new video screen wall to display Valley Water photos and other important business communications.

In addition to the already exciting changes over the past few weeks, Valley Water will be replacing the furniture in the upcoming weeks that promote a more collaborative and comforting environment. The furniture will have power ports for staff and visitors to plug in electronic devices; and the video wall will not only display Valley Water photos and business communications, but also provide staff the ability to display presentations to the video wall for events and meetings.

This furniture will not only be a refresh for the space, but will also help transform the cafeteria seating area into a multi-functional space; allowing the room to also be used for larger meetings, breakout sessions among multidisciplinary groups, and hosting events.

For further information, please contact Tina Yoke at (408) 630-2385.

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### **3. Valley Water to Attend Annual State-wide CUPA (Certified Unified Program Agencies) Conference**

Valley Water will attend the annual state-wide CUPA (Certified Unified Program Agencies) Conference that will be held in Burlingame in early February 2020.

Certified Unified Program Agencies, or CUPAs, are local regulatory agencies that are certified by the Secretary of the California Environmental Protection Agency (CalEPA) to implement the CalEPA Unified Program elements in the CUPA's jurisdiction. The CalEPA Unified Program consolidates, coordinates, and makes consistent the administrative requirements, permits, inspections, and enforcement activities for the following six environmental programs in California, of which Valley Water is subject to:

1. Hazardous Materials Release Response Plans and Inventories
2. CA Accidental Release Prevention Program
3. Underground Storage Tank Program
4. Aboveground Petroleum Storage Act
5. Hazardous Waste Generator and On-site Hazardous Waste Treatment (Tiered Permitting) Programs, and
6. California Uniform Fire Code: Hazardous Materials Management Plans, and Hazardous Materials Inventory Statements

This week-long conference is attended by approximately 800-900 personnel from agencies such as fire departments, county health departments, and various other regulatory agencies. Private industry and other local government agencies also attend this annual conference. Attending this

conference is beneficial for Valley Water to learn about regulatory updates and trends as well as foster opportunities to interact, in a learning environment, with Valley Water's regulatory agencies. The conference also provides networking and learning opportunities to gain insight into recently developed best management practices within the industry.

For further information, please contact Tina Yoke at (408) 630-2385.

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**4. Kremen**

**Provide Director Kremen with all District 7 Access Valley Water comments for the last 24 months.**

**I-19-0022**

A spreadsheet listing of all Access Valley Water (AVW) comments and inquiries collected from December 1, 2017 through December 17, 2019; totaling about 4,232 was emailed to Director Kremen and included the information below.

AVW, a Comcate customer management (CRM) system, is not designed to capture and categorize comments by regions, cities or districts. Also, users of AVW have the option to remain anonymous when submitting a comment/inquiry regarding the following: *Request Service, Request Information, Give Compliment, File Complaint, Ask Question, Make Suggestion, Request Meeting, Other, Mobile, Report Water Waste Issue, Request Speaker*. There are instances when users of AVW do not identify what area they are referencing or leave contact information. As a result, Valley Water is not always able to provide a direct response to the AVW user.

AVW is currently categorized by 79 topics and each could have 1 to 13 subtopics. Valley Water staff are tasked to respond or direct the AVW case to the appropriate subject matter expert. For example, a creek maintenance inquiry would route to Valley Water staff in Watersheds Field Operations and depending on the location of the watershed referenced, a specific staff member will be identified to respond to the case. In some instances, Valley Water staff will call the requestor directly to answer their question or get additional information. Once a response has been made, the AVW case is closed.

Valley Water is aware of the limitations of AVW and is currently in negotiations with the highest ranked firm as part of our Request for Proposal for selection of a new CRM system.

For further information, please contact Rick Callender at (408) 630-2017.

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**5. LeZotte and Santos**

**Chairperson LeZotte and Director Santos requested that staff investigate SJPD's non-response to a 12/20/19 traffic incident adjacent to the Penitencia Water Treatment Plant and provide the Board written information on how such an incident should have been addressed, given its proximity to the water treatment plant.**

**I-19-0025**

Valley Water has investigated San Jose Police Department's (SJPD) non-response to a December 20, 2019, solo vehicle traffic accident adjacent to the Penitencia Water Treatment Plant (Plant) and has the following report:

It was confirmed that a SJPD police officer was responding to Valley Water's call for service, but while in route to the call the responding police officer was diverted to a higher priority call for service. At that point, Valley Water's call for service was not acted upon.

Due to the nature of Valley Water's call for service, SJPD rightfully deemed the call lower priority. The facts of the call support this classification as there was minimal property damage, the driver and vehicle left the scene, there was no bodily injury and there was not the potential for harm or additional property damage to occur, see calls for service classifications below.

There are four (4) levels of SJPD service calls ([sjpd.org/faq.html](http://sjpd.org/faq.html)):

- Priority One (1) calls indicate an event of immediate potential for imminent danger to life or property.
- Priority Two (2) calls are indicative of events that have occurred and the suspect may be near but is no longer at the scene and/or no imminent threat exists to life or property.
- Priority Three (3) calls are non-emergencies where there is property damage or the potential for it to occur. A police report may be requested or required.
- Priority Four (4) calls are non-emergencies where there is no present or potential damage to property and suspect is gone.

As such, it appears that the call for service was handled per procedure, based on SJPD's classification protocol. If the accident had actually occurred at the Plant's perimeter fence, Valley Water Security would have asked for a higher level of priority call for service. A written report of the accident was filed with SJPD.

For further information, please contact Tina Yoke at (408) 630-2385.

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## Outlook as of January 1, 2020

We ended calendar year 2019 with groundwater storage essentially full, given a relatively full groundwater reservoir at the end of 2018 and above normal local rainfall and statewide snow pack in 2019.

### Weather

Rainfall in San Jose:

- Month of December, City of San Jose = 2.67 inches
- Rainfall year total = 4.17 inches or 84% of average to date (rainfall year is July 1 to June 30)
- January 2 Northern Sierra snowpack was 77% of normal for this date

### Local Reservoirs

- Total January 1 storage = 56,644 acre-feet
  - » 77% of 20-year average for that date
  - » 34% of total capacity
  - » 51% of restricted capacity (166,266 acre-feet total storage capacity limited by seismic restrictions to 111,421 acre-feet)
- No imported water delivered into local reservoirs during December 2019
- Total estimated releases to streams (local and imported water) during December was 5,770 acre-feet (based on preliminary hydrologic data)

### Treated Water

- Above average demands of 5,725 acre-feet delivered in December
- This total is 110% of the five-year average for the month of December
- Year-to-date deliveries = 102,012 acre-feet or 103% of the five-year average

### Groundwater

- Groundwater conditions are very healthy, with total storage at the end of 2019 in Stage 1 (Normal) of Valley Water’s Water Shortage Contingency Plan.

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
December managed recharge estimate (AF)	4,200	1,100	2,200
January to December managed recharge estimate (AF)	46,200	12,750	25,900
January to December managed recharge, % of 5-year average	87%	95%	144%
November pumping estimate (AF)	5,150	650	4,000
January to November pumping estimate (AF)	51,000	11,300	38,350
January to November pumping, % of 5-year average	74%	111%	96%
GW index well level compared to last December	Lower	Higher	Higher

AF = acre-feet

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## Imported Water

- As of January 6, 2020, the Statewide Average snowpack water equivalent is 84% of the historic average for this date
- Initial 2020 State Water Project (SWP) and Central Valley Project (CVP) allocations:
  - » 2020 SWP allocation of 10%, which provides 10,000 acre-feet to Valley Water
  - » 2020 South-of-Delta CVP allocations have not yet been identified
- Statewide reservoir storage information, as of January 5, 2020:
  - » Shasta Reservoir at 73% of capacity (116% of average for this date)
  - » Oroville Reservoir at 59% of capacity (95% of average for this date)
  - » San Luis Reservoir at 65% of capacity (93% of average for this date)
- Valley Water's Semitropic groundwater bank reserves are at 100% of capacity, or 349,970 acre-feet, as of November 30, 2019
- Estimated SFPUC deliveries to Santa Clara County:
  - » Projected month of November = 4,396 acre-feet
  - » 2019 total to date = 43,393 acre-feet
  - » Five-year annual average is 48,700 acre-feet
- Board Governance Policy No. EL-5.3.3 includes keeping the Board informed of imported water management activities on an ongoing basis. In calendar year 2019, six imported water management agreements were executed as of December 31, 2019

## Conserved Water

- Saved 73,531 acre-feet in FY19 from long-term program (baseline year is 1992)
- Long-term program goal is to save nearly 100,000 acre-feet by 2030 and 110,000 acre-feet by 2040
- The Board continues its call for a 20% reduction and a limit of three days per week for irrigation of ornamental landscape with potable water
- Through November, achieved a 20% reduction in water use in calendar year 2019, compared to 2013

## Recycled Water

- Estimated December 2019 production = 800 acre-feet
- Estimated Year-to-Date through December = 17,200 acre-feet or 90% of the five-year average
- Silicon Valley Advanced Water Purification Center produced an estimated 1.3 billion gallons (4,100 acre-feet) of purified water in 2018 and 4,650 acre-feet in 2019. The purified water is blended with existing tertiary recycled water for South Bay Water Recycling Program's customers



**CONTACT US**

For more information, contact **Customer Relations** at **(408) 630-2880**, or visit our website at [valleywater.org](http://valleywater.org) and use our **Access Valley Water** customer request and information system. With three easy steps, you can use this service to find out the latest information on district projects or to submit questions, complaints or compliments directly to a district staff person.

Follow us on:

 /scvwd  /valleywater  /valleywater

To get eNews, drop an email to: [info@valleywater.org](mailto:info@valleywater.org)





Sunnyvale

**City of Sunnyvale**

**Notice of City Council Reorganization**

The City Council of the City of Sunnyvale, at a regular meeting held on Tuesday, January 7, 2020, reorganized as follows:

Larry Klein, Mayor

Nancy Smith, Vice Mayor

Gustav Larsson, Councilmember

Glenn Hendricks, Councilmember

Russell Melton, Councilmember

Michael S. Goldman, Councilmember

Mason Fong, Councilmember

*Dated this 7<sup>th</sup> day of January, 2020*

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*David Carnahan  
City Clerk  
Sunnyvale, California*

# **BOARD MEMBER REQUESTS and Informational Items**

**Report Name: Board Member Requests**

Request	Request Date	Director	BAO/Chief	Staff	Description	20 Days Due Date	Expected Completion Date	Disposition
I-19-0020	11/07/19	Varela	Hawk	Jacobson Kao	At the November 7, 2019 San Luis & Delta-Mendota Water Authority meeting Director Varela asked for a rate impact analysis of the San Luis Transmission Project, and for the potential impact on the benefit-cost analysis due to the pending Federal Energy Regulatory Commission's Order 841.	12/09/19	12/30/2019	12/05/19 CEO Bulletin: Staff requested additional time based on information being provided by outside agency. Response time extended to 12/30/19.
I-19-0022	12/16/19	Kremen	Callender	Hoang	Provide Director Kremen with all District 7 Access Valley Water comments for the last 24 month.	01/05/20		
I-19-0024	12/20/19	Kremen	Hawk	Yerrapotu	What has been the all in cost of water/acre-foot from our recycling plant in the last 12 and 24 months? Please show calculations including cost on bonds, final capital costs, all O&M, membrane reserve etc? What is the name plate rating on water production and what have we produced in the last 12 and 24 months?	01/09/20		
I-19-0025	12/20/19	Lezotte Santos	Yoke	Gordon	Chairperson LeZotte and Director Santos requested that staff investigate SJPD's non-response to a 12/20/19 traffic incident adjacent to the PWTP, and provide the Board written information on how such an incident should have been addressed, given its proximity to the WTP.	01/12/20		

**Report Name: Board Member Requests**

Request	Request Date	Director	BAO/Chief	Staff	Description	20 Days Due Date	Expected Completion Date	Disposition
I-19-0026	12/31/19	Keegan	Richardson	Tippets	Investigate homeless encampments on Guadalupe River between Willow and Minnesota, per Director Keegan's 12/30/19 Email.	01/20/20		
I-20-0001	01/06/20	Kremen	King	Spin	Director Kremen requests staff to provide a list of Public Records Act Requests received in 2019.	01/26/20		
R-19-0014	11/12/19	Varela	Camacho	Chinte	Director Varela requesting the CEO provide a report to the Directors via one-on-one meetings or confidential memo on the cancellation of the October 28, 2019 Joint SCVWD/Morgan Hill/Gilroy Board/Council meeting.	12/04/19		
R-19-0017	12/17/19	Keegan	Richardson	Tippets	Provide Board with Access Valley Water comments received on stream maintenance sorted by improved and unimproved channels.	01/07/20		

**TO:** Board of Directors

**FROM:** Nina Hawk

**SUBJECT:** Response to IBMR No. I-19-0024

**DATE:** January 3, 2020

The Silicon Valley Advanced Purification Center (SVAWPC), since it's commissioning in March 2014 and as of November 2019, has cumulatively produced approximately 8,361 million gallons (MG) of purified water. The SVAWPC has a net production capacity of 8.0 million gallons a day (MGD). In fiscal year 2018, the plant produced a total of 1,346 MG, equivalent to 4,132 acre-feet (AF), of purified water and the average utilization rate was about 46%. And in fiscal year 2019, the plant produced a total of 1,369 MG, equivalent to 4,202 AF, of purified water and the average utilization rate was about 47%. The following tables show the monthly plant production along with the utilization rate for FY18, FY19 and FY20.

**FY18 SVAWPC Monthly Plant Production and Utilization Rate**

Month	Production (MG)	Utilization Rate (%)
Jul '17	195	79
Aug '17	194	78
Sep '17	167	70
Oct '17	100	40
Nov '17	64	27
Dec '17	64	26
Jan '18	67	27
Feb '18	64	29
Mar '18	63	25
Apr '18	90	38
May '18	135	55
Jun '18	142	59

**FY 19 SVAWPC Monthly Plant Production and Utilization Rate**

Month	Production (MG)	Utilization Rate (%)
Jul '18	144	58
Aug '18	145	58
Sep '18	140	58
Oct '18	153	62
Nov '18	100	42
Dec '18	69	28
Jan '19	86	35
Feb '19	71	32
Mar '19	65	26
Apr '19	89	37
May '19	138	56
Jun '19	169	70

**FY 20 SVAWPC Monthly Plant Production and Utilization Rate (as of November 2019)**

<b>Month</b>	<b>Production (MG)</b>	<b>Utilization Rate (%)</b>
Jul '19	189	76
Aug '19	209	84
Sep '19	165	69
Oct '19	158	64
Nov '19	108	45

Based on the FY18 actual Operations and Maintenance (O&M) costs, the total cost for SVAWPC is \$3,642,470, which includes \$535,249 in energy, \$387,400 in chemical, \$2,103,123 in labor, and \$616,698 in other O&M services and supplies. In addition, \$874,000 annualized pay-go portion of the total project cost, and \$1,067,563 in debt service costs associated with bonds issued to finance the project were incurred. With these costs, and a total production of 4,132 AF of purified water in FY18, the unit cost for purified water in FY18 is about \$1,351/AF.

The FY19 Independent Auditor's Report of the operating costs for SVAWPC will be forthcoming in February 2020. Based on the Valley Water internal FY19 financial report, the total cost for SVAWPC is \$4,899,942, which includes the \$840,000 from the sinking reserve to replace RO membranes, \$441,636 in energy, \$391,580 in chemical, \$2,454,278 in labor, and \$772,448 in other O&M services and supplies. In addition, \$874,000 annualized pay-go portion of the total project cost, and \$1,067,840 in debt service costs associated with bonds issued to finance the project were incurred. With these costs and a total production of 4,202 AF of purified water in FY19, the unit cost for purified water in FY19 is about \$1,628/AF.



Nina Hawk  
 Chief Operating Officer  
 Water Utility Enterprise

Attachment: SVAWPC Unit Cost Calc

## SVAWPC Unit Cost Calc

	2,018	2019
Labor	2,103,123	2,454,278
Energy	535,249	441,636
Chemical	387,400	391,580
O&M Services & Supplies	616,698	772,448
Reserve	0	840,000
Annualized pay-go	874,295	874,295
Debt Service	<u>1,067,563</u>	<u>1,067,840</u>
Total	5,584,328	6,842,077

Production (AF)	4,132	4,202
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Cost/AF	1,351	1,628.29
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SVAWPC Completion  
Memo

Total Project Costs	73,731,090
Grants/Contributions	-22,045,000
Debt Financing	-25,457,238
Pay-go	26,228,852

Annualized Pay-go (30 years)	874,295
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# MEMORANDUM

FC 14 (01-02-07)

**TO:** Norma J. Camacho

**FROM:** Ngoc Nguyen

**SUBJECT:** Report of Properties Acquired Under  
Executive Limitation 6.7.1

**DATE:** January 2, 2020

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In accordance with the Executive Limitation (EL) 6.7.1 the attached spreadsheet includes:

1. A report of properties to be acquired under EL 6.7.1.
2. A report on the number of parcels that have been signed off by the CEO and acquired during the quarter of October 1 through December 31, 2019 including respective statutory offers of just compensation and final negotiated values (EL 6.7.1.3).

A handwritten signature in blue ink that reads "N. Nguyen".

Ngoc Nguyen  
Deputy Operating Officer  
Watersheds Design and Construction

Cc: E. Serrano, B. Magleby, C. Herrera

es:rc

REPORT OF PROPERTIES WHICH MAY BE ACQUIRED UNDER EXECUTIVE LIMITATION 6.7.1

DISTRICT FILE	PROJECT NAME	ASSESSORS' PARCEL NUMBER (APN)	INTEREST
1016-85	HALE CREEK	189-28-011	EASEMENT IN
1016-86	HALE CREEK	189-28-012	EASEMENT IN
1016-87	HALE CREEK	189-28-013	EASEMENT IN
1016-88	HALE CREEK	189-26-054	EASEMENT IN
1016-89	HALE CREEK	189-26-049	EASEMENT IN
1016-90	HALE CREEK	189-28-045	EASEMENT IN
1016-91	HALE CREEK	189-28-047	EASEMENT IN
1016-92	HALE CREEK	189-26-060, 189-26-064	NO P&D
1028-179	SAN FRANCISQUITO CREEK	003-07-053	NO P&D
1029-175	STEVENS CREEK	161-02-005, 16102012 & 16102015	NO P&D
2010-225	CALABAZAS CREEK	104-28-069	FEE IN
2021-152	SARATOGA CREEK	386-21-042	NO P&D
2026-55	SUNNYVALE EAST OUTFALL	110-39-002	TCE IN
2027-16	SUNNYVALE WEST OUTFALL	110-07-022, 165-44-007, 165-44-008	TCE IN
2044-1	SOUTH BAY SALT PONDS	015-32-042, 015-32-043	FEE IN
2044-5	SOUTH BAY SALT PONDS	015-25-028, 015-25-026, 015-26-022, 015-30-043	FLOOD PROTECTION LEVEE LEASE AREA
2044-9	SOUTH BAY SALT PONDS	015-33-054	FLOOD PROTECTION LEVEE LEASE AREA
2044-15	SOUTH BAY SALT PONDS	015-25-023	TEMPORARY WORK AREA EASEMENT
2044-16	SOUTH BAY SALT PONDS	015-25-023, 015-33-033	TEMPORARY WORK AREA EASEMENT
2044-17	SOUTH BAY SALT PONDS	APN # is being determined	TEMPORARY WORK AREA EASEMENT
2044-18	SOUTH BAY SALT PONDS	015-32-026, 015-32-027, 015-32-029, 015-32-030	FLOOD PROTECTION LEVEE LEASE AREA
2044-19	SOUTH BAY SALT PONDS	015-30-07	TEMPORARY WORK AREA EASEMENT
2044-21	SOUTH BAY SALT PONDS	015-38-005	IN PROGRESS
2044-22	SOUTH BAY SALT PONDS	015-31-051	INGRESS AND EGRESS EASEMENT
2044-23	SOUTH BAY SALT PONDS	015-38-005	INGRESS AND EGRESS EASEMENT
2044-24	SOUTH BAY SALT PONDS	015-32-020	FLOOD PROTECTION LEVEE LEASE AREA
2044-25	SOUTH BAY SALT PONDS	01529-004, 015-32-020	TEMPORARY WORK AREA EASEMENT
3015-600	GUADALUPE RIVER	264-48-000	EASEMENT IN

NOTE:  
TCE = Temporary Construction Easement

REPORT OF PROPERTIES WHICH MAY BE ACQUIRED UNDER  
EXECUTIVE LIMITATION 6.7.1

DISTRICT FILE	PROJECT NAME	ASSESSORS' PARCEL NUMBER (APN)	INTEREST
3015-601	GUADALUPE RIVER	264-48-006	EASEMENT IN
3015-602	GUADALUPE RIVER	264-48-126	EASEMENT IN
3015-603	GUADALUPE RIVER	264-48-094	EASEMENT IN
3015-604	GUADALUPE RIVER	264-48-010, 264-48-084, 264-48-103	EASEMENT IN
3015-605	GUADALUPE RIVER	264-48-000	EASEMENT IN
3015-606	GUADALUPE RIVER	264-48-000 (Willow Street)	EASEMENT IN
3015-624	GUADALUPE RIVER	434-28-003	EASEMENT IN
3015-635	GUADALUPE RIVER	434-29-020	EASEMENT IN
3015-636	GUADALUPE RIVER	434-29-019	EASEMENT IN
3015-641	GUADALUPE RIVER	434-29-000 (Pine Avenue)	EASEMENT IN
3015-645	GUADALUPE RIVER	439-25-032	EASEMENT IN
3015-646	GUADALUPE RIVER	439-25-031	EASEMENT IN
3015-647	GUADALUPE RIVER	43925030	EASEMENT IN
3015-648	GUADALUPE RIVER	439-25-029	EASEMENT IN
3015-649	GUADALUPE RIVER	439-25-028	EASEMENT IN
3015-650	GUADALUPE RIVER	439-25-027	EASEMENT IN
3015-651	GUADALUPE RIVER	439-25-026	EASEMENT IN
3015-653	GUADALUPE RIVER	439-25-024	EASEMENT IN
3015-654	GUADALUPE RIVER	439-25-023	EASEMENT IN
3015-655	GUADALUPE RIVER	439-25-022	EASEMENT IN
3015-657	GUADALUPE RIVER	439-25-020	EASEMENT IN
3015-658	GUADALUPE RIVER	439-25-019	EASEMENT IN
3015-659	GUADALUPE RIVER	439-25-018	EASEMENT IN
3015-660	GUADALUPE RIVER	439-25-017	EASEMENT IN
3015-661	GUADALUPE RIVER	439-25-016	EASEMENT IN
3015-662	GUADALUPE RIVER	439-25-015	EASEMENT IN
3015-663	GUADALUPE RIVER	439-25-014	EASEMENT IN
3015-664	GUADALUPE RIVER	439-25-013	EASEMENT IN

NOTE:  
TCE = Temporary Construction Easement

REPORT OF PROPERTIES WHICH MAY BE ACQUIRED UNDER  
EXECUTIVE LIMITATION 6.7.1

DISTRICT FILE	PROJECT NAME	ASSESSORS' PARCEL NUMBER (APN)	INTEREST
3015-665	GUADALUPE RIVER	439-25-012	EASEMENT IN
3015-666	GUADALUPE RIVER	439-25-011	EASEMENT IN
3015-674	GUADALUPE RIVER	264-48-104	EASEMENT IN
3015-675	GUADALUPE RIVER	264-48-108	EASEMENT IN
3015-677	GUADALUPE RIVER	439-25-001	FEE IN
3015-684	GUADALUPE RIVER	015-45-013	EASEMENT IN
3020-175	LOS GATOS CREEK	ON ROAD	NO P&D
4017-61	BERRYESSA CREEK	022-31-017	EASEMENT IN
4017-65	BERRYESSA CREEK	022-31-017	EASEMENT IN
4017-97	BERRYESSA CREEK	086-32-021, 863-2-028	EASEMENT IN
4018-26	CALERA CREEK	022-02-014	EASEMENT IN
4018-31	CALERA CREEK	026-18-003	EASEMENT IN
4018-32	CALERA CREEK	026-18-003	EASEMENT IN
4018-33	CALERA CREEK	ON ROAD (022-31-000)	EASEMENT IN
4021-277	COYOTE CREEK	237-05-057 & 237-05-058	FEE IN
4026-483	LOWER SILVER CREEK	670-29-002, 670-29-017	NO P&D
4032-67	UPPER PENITENCIA CREEK	LAND EXCHANGES FOR THE BART'S EXTENSION PROJECT	NO P&D
4032-68	UPPER PENITENCIA CREEK	254-17-099	EASEMENT IN
4032-69	UPPER PENITENCIA CREEK	254-14-119	EASEMENT IN
4032-71	UPPER PENITENCIA CREEK	254-87-020	EASEMENT IN
4032-72	UPPER PENITENCIA CREEK	254-17-061	NO P&D
4033-54	LOWER PENITENCIA CREEK	22-30-041	EASEMENT IN
4033-57	LOWER PENITENCIA CREEK	086-33-104	NO P&D
4033-58	LOWER PENITENCIA CREEK	022-37-002	EASEMENT IN
4033-60	LOWER PENITENCIA CREEK	022-30-042	NO P&D
4049-11	PENITENCIA EAST CHANNEL	086-37-018	NO P&D
4049-12	PENITENCIA EAST CHANNEL	086-37-018	NO P&D
4049-13	PENITENCIA EAST CHANNEL	086-36-023	EASEMENT IN

NOTE:  
TCE = Temporary Construction Easement

REPORT OF PROPERTIES WHICH MAY BE ACQUIRED UNDER  
EXECUTIVE LIMITATION 6.7.1

DISTRICT FILE	PROJECT NAME	ASSESSORS' PARCEL NUMBER (APN)	INTEREST
5012-211	WEST LITTLE LLAGAS CREEK	HALE AVENUE	EASEMENT IN
5012-212	WEST LITTLE LLAGAS CREEK	ON RROAD	EASEMENT IN
5013-8	MADRONE CHANNEL	TO BE DTERMINED	TO BE DETERMINED
5018-98	UVAS CARNADERO CREEK	841-31-010	TCE IN
5018-99	UVAS CARNADERO CREEK	841-32-015	TCE IN
9109-79	GILROY WATER RECLAMATION FACILITY	841-29-033, 841-30-004, 841-30-011	EASEMENT IN
9186-34	ANDERSON DAM/RESERVOIR	728-34-011	EASEMENT IN
9189-15	GUADALUPE DAM/RESERVOIR	575-11-004	FEE IN
9195-1	PACHECO DAM/RESERVOIR	898-11-009, 898-49-002	DEED IN
9195-2	PACHECO DAM/RESERVOIR	898-11-003, 898-11-008, 898-11-004, 898-11-016, 898-11-020, 898-11-021, 898-11-022, 898-11-023, 898-13-001, 898-48-001, 898-49-001, 898-49-003	FEE IN
9195-3	PACHECO DAM/RESERVOIR	865-10-010, 865-11-020, 865-11-021	FEE IN
9195-4	PACHECO DAM/RESERVOIR	865-15-008, 865-15-009	FEE IN
9195-5	PACHECO DAM/RESERVOIR	865-15-007	FEE IN
9195-6	PACHECO DAM/RESERVOIR	865-10-023	FEE IN
9195-7	PACHECO DAM/RESERVOIR	898-57-001, 898-57-002	FEE IN
9225-65	CENTRAL PIPELINE	254-17-069, 254-17-070	EASEMENT IN
9225-66	CENTRAL PIPELINE	254-17-074	EASEMENT IN
9225-67	CENTRAL PIPELINE	LAND EXCHANGES FOR THE BART'S EXTENSION PROJECT	NO P&D
9245-33	COYOTE CANAL	729-55 (Bailey Ave)	NO P&D
9265-5	BUDD AVENUE PERCOLATION PONDS	305-35-017	EASEMENT IN
9433-18	MILPITAS PIPELINE	92-08-083	EASEMENT IN
9433-19	MILPITAS PIPELINE	92-08-083	EASEMENT IN
9433-20	MILPITAS PIPELINE	92-08-002	EASEMENT IN
9433-21	MILPITAS PIPELINE	92-08-002	EASEMENT IN
9433-22	MILPITAS PIPELINE	92-08-096	EASEMENT IN
9433-23	MILPITAS PIPELINE	92-08-002	INGRESS AND EGRESS EASEMENT
9484-33	SNELL PIPELINE	692-26-049	EASEMENT IN

NOTE:  
TCE = Temporary Construction Easement

REPORT OF PROPERTIES WHICH MAY BE ACQUIRED UNDER  
EXECUTIVE LIMITATION 6.7.1

DISTRICT FILE	PROJECT NAME	ASSESSORS' PARCEL NUMBER (APN)	INTEREST
9484-34	SNELL PIPELINE	692-26-000 (Old Snell)	EASEMENT IN

QUARTERLY REPORT OF PROPERTIES ACQUIRED UNDER CEO AUTHORITY  
 OCTOBER 1, 2019 - DECEMBER 31, 2019

DISTRICT FILE	PROJECT NAME	AGENT	GRANTOR/GRANTEE	INTEREST	REC DATE	DOC#	INITIAL OFFER	OWNER'S APPRAISED VALUE	FINAL SETTLEMENT	SEE EXPLANATION

NO RECORDED TRANSACTIONS THIS PERIOD



## MEMORANDUM

FC 14 (02-08-19)

**TO:** Board of Directors

**FROM:** Melanie Richardson

**SUBJECT:** Anderson Dam Seismic Retrofit Project  
Interim Risk Reduction Measures -  
Reservoir Operating Level

**DATE:** January 2, 2020

---

On December 17, 2019, Valley Water received a letter (Attachment 1) from the Federal Energy Regulatory Commission (FERC) regarding the Anderson Dam Seismic Retrofit Project (ADSRP), requiring that a plan be filed within 14 days of the date of the letter which addressed "implementation of interim risk reduction measures involving lowering of the reservoir to decrease the risk of downstream consequences in the event of an earthquake and/or flood event between now and the time the Seismic Retrofit Project is scheduled to begin." In addition, Valley Water was also directed to provide an Emergency Response Plan for implementation within 30 days of the date of the letter.

The current seismic restriction and operating level for Anderson Reservoir has been thoroughly examined and vetted over the life of the project. Valley Water's analysis shows that lowering the reservoir level beyond the current restriction poses additional risk of damage to the inlet works for the dam, in the event of a moderate to large earthquake. Significant damage to the inlet works would prevent Valley Water from exercising the existing outlet valve and render Valley Water incapable of controlling the level of the reservoir. This could, in turn, lead to a potentially catastrophic failure condition if a second seismic event or large wave of precipitation were to occur. This information was presented to FERC and the California Department of Water Resources, Division of Safety of Dams (DSOD) on December 4 and 5, 2019 at the eleventh meeting of the ADSRP Board of Consultants (BOC). DSOD and the BOC have concurred with the analysis and findings presented, and as a result, Valley Water has determined that the current Reservoir Operating Level Restriction is the most appropriate Interim Risk Reduction Measure for public safety. This information has been summarized and transmitted to FERC by Valley Water in a letter dated December 31, 2019 (Attachment 2).

The required Emergency Response Plan is currently being finalized and will be transmitted to FERC on, or before, January 16, 2020.

A handwritten signature in blue ink that reads "Melanie Richardson".

Melanie Richardson, P.E.  
Chief Operating Officer  
Watersheds

Attachment 1: FERC letter dated August 11, 2019

Attachment 2: Valley Water response letter dated December 31, 2019



December 31, 2019

David E. Capka, PE  
Director, Division of Dam Safety and Inspections  
Federal Energy Regulatory Commission  
888 First Street NE  
Washington, DC 20426

Reference: P-5737-CA  
NATDAM# CA00294

Subject: Anderson Dam Seismic Retrofit Project (ADSRP) – Re: Plan for Implementation of Interim Risk Reduction Measures

Dear Mr. Capka:

In a letter dated December 17, 2019, the Federal Energy Regulatory Commission (FERC) required that Santa Clara Valley Water District (Valley Water) file a plan describing how we would lower Anderson Reservoir to decrease the interim risk of downstream consequences in the event of an earthquake and/or flood between now and when the Anderson Dam Seismic Retrofit Project (ADSRP) is scheduled to begin. This letter serves as Valley Water's response to FERC's request.

Valley Water takes interim risk reduction measures seriously. To that end, we have undertaken the various interim risk reduction measures (IRRM) listed in our letter report to FERC dated October 31, 2019. That letter reviewed existing risk reduction measures associated with hydrologic and seismic risks at Anderson Dam, and recommended additional risk reduction measures, with a plan and schedule for implementation.

### **1. Response to the Question of Further Lowering of Storage Levels**

To address whether further lowering of the water level in Anderson Reservoir decreases the interim risks, we draw your attention to the potential for deformation of the intake structure during an earthquake, and the significant consequences of that outcome. Results of a study assessing deformation of the sloping intake structure due to seismic events are presented in our October 31, 2019, letter report. The study concluded that under current storage restrictions the reservoir itself provides a buttressing effect, and therefore helps reduce the potential for displacements of the intake structure during an earthquake. Lowering reservoir levels beyond the current level would decrease the structural reliability of the intake structure potentially causing damage to the intake structure under larger earthquakes events. The risk of such damage is compounded by the likelihood that damage would be difficult to detect, inspect and repair. This scenario presents serious dam safety issues. It should be noted, also, that further lowering of the reservoir level is unlikely to have a significant

beneficial or harmful impact on the seismic performance of the dam embankment, outlet structure or the spillway chute walls. Therefore, in our judgment, sustaining storage volumes consistent with the operational rules curves we filed with FERC on October 31, 2019, is the optimal risk management strategy pending ADSRP construction initiation.

## **2. Background**

To address dam safety concerns being raised by the ADSRP, the normal reservoir pool for Anderson Reservoir was reduced from spillway crest level of El. 627.8 feet (ft.), NAD88 datum, to El. 602 ft. (or 68% of total storage) beginning in 2008, informed by a study performed by AMEC 2011 (Ref. No 1). After further analysis in 2016 (URS 2017, Ref No. 4), the normal reservoir pool was further reduced to El. 592 ft. in January 2017 (58% of total storage). This IRRM is intended to remain in place until the beginning of ADSRP construction.

To increase the probability of keeping the normal reservoir pool to El. 592 ft., Valley Water has operated Anderson Reservoir the last two winters in accordance with the operational rules curves filed with FERC on October 31, 2019. The submitted rule curve for the Coyote-Anderson reservoirs system is based on a 40% inflow exceedance probability. Valley Water has also implemented a slightly revised Anderson "full condition," which provides 6,000 acre-feet (AF) of buffer storage below the DSOD restriction from November 1 through March 1 but is reduced linearly from 6,000 AF on March 1 to 0 AF on May 1 to improve water supply benefits. Additional details on operations were presented in Ref. No. 6D.

Valley Water's Hydraulics & Hydrology modeling group presented its analysis of storms resembling those in 1997 and 2017 at the ADSRP Board of Consultants (BOC) Meeting No. 11 (Ref. No. 6C). The results show that the number of days in which Anderson Reservoir storage exceeds the DSOD restriction will not be significantly reduced if the initial storage were to be lower at the beginning of the storm. For instance, if a storm on the scale of 1997 is repeated in the future with Coyote Reservoir initially at its DSOD restriction, the number of days that Anderson Reservoir storage will exceed its DSOD restriction will be 92, 109, 111, and 113 days for Anderson's initial condition being an empty reservoir, 20% full, 40% full, and at the current restriction (58% full), respectively. On the other hand, if a 2017 storm is repeated with Coyote Reservoir initially at its DSOD restriction, the number of days that Anderson Reservoir storage will exceed its DSOD restriction will be 113, 118, 129, and 132 days for Anderson's initial condition being at 0%, 20%, 40%, and 58% full, respectively. The table which follows is extracted from Figure 1 of Ref. No. 6.

Storm Inflow Scenario	1997				2017			
	0%	20%	40%	58%	0%	20%	40%	58%
Anderson Starting Storage								
Coyote Starting Storage	DSOD	DSOD	DSOD	DSOD	DSOD	DSOD	DSOD	DSOD
Duration above DSOD Restriction (Days)	92	109	111	113	113	118	129	132
Time to reach DSOD Restriction (Days)	52	34	32	31	68	63	52	50
Duration above Spillway Elevation (Days)	33	35	35	38	48	48	49	58

**3. Analysis**

Deformation of the intake structure due to seismic events is presented in Ref. No. 6B. The study concluded that under the current restriction, the reservoir provides a buttressing effect, resulting in higher yield coefficients and therefore lower displacements. Any lowering of the reservoir below the current restricted level will remove the buttressing effect of the reservoir and increase the deformation of the sloping intake structure in the event of a large earthquake. Lowering the reservoir would significantly decrease the structural reliability of the intake and the intake structure would be severely damaged by a larger earthquake events. Due to water in the reservoir, such a damage to the intake structure would be difficult to detect, inspect and repair, exacerbating dam safety issues.

At the currently restricted pool (elev. 592 ft.), we do not expect the intake structure to fail after a seismic event with a return interval of 100 years. However, the mechanical components related to operating valves may be damaged. Valley Water is currently developing an Emergency Response Plan (ERP) to address damage caused to these facilities by smaller earthquakes at the current restricted normal pool of Elev. 592 ft., so that their functionality can be quickly restored. The ERP will be transmitted to FERC by January 16, 2020.

Our October 31, 2019, letter report analyzed the impacts to the dam embankment and its appurtenant structures of lowering the normal reservoir pool to elevations below the current restriction. The analysis indicates that lowering of the reservoir normal pool has no significant impact on the structural reliability of the dam embankment and the downstream outlet structure for an earthquake event with a return period between 100 years and 400 years. The water storage levels in the reservoir also have no bearing on the seismic performance of the spillway walls.

Deformation of the intake structure slope could be improved by keeping the slope unsaturated by draining the reservoir. However, given the limited capacity of the outlet pipe (about 480 cfs), it is not feasible to keep the reservoir dewatered and the slope unsaturated. Valley Water has also evaluated the use of pumps to address this shortcoming. The results of our evaluation showed that pump-over is not a feasible solution. Members of the ADSRP BOC concur with this conclusion in their letter report following BOC Meeting No. 11 (Ref. No.7). The letter report, presenting the results of the analysis and summary of discussions with DSOD, FERC, and the BOC, was transmitted to FERC on October 31, 2019 (Ref. No. 6E).

#### **4. Other Considerations**

ADSRP is currently conducting environmental review for the proposed project, which includes dewatering the reservoir for approximately 2.5 years; in addition to evaluating potential environmental impacts, project staff have been working with technical teams and agency stakeholders to develop Avoidance and Minimization Measures (AMMs) to lessen the environmental impacts associated with dewatering the reservoir. If Valley Water were to dewater in advance of ADSRP Construction Year 4, or prior to implementing AMMs, significant environmental impacts would likely occur.

##### **4.1. Water Supply**

Lowering the reservoir water level below the current restricted normal pool would impair the water delivery mission of Valley Water dramatically. This is in addition to degrading the performance of the intake structure, the functionality of which is important from a dam safety perspective. Anderson Reservoir currently retains about 20,000 AF of emergency supply, which would not be available after dewatering the reservoir, and which would impede Valley Water's ability to deliver raw water to its three treatment plants and recharge groundwater aquifers. In addition, further capacity restrictions would likely lead to warming and increased transport of nutrients and metals into the photic zone. This may result in increased phytoplankton and cyanobacteria blooms, as well as other nuisance compounds that impair source water quality, potentially resulting in water that may not be treatable by Valley Water's current treatment facilities.

Water supply risks associated with the dewatering of Anderson Reservoir are exacerbated by several additional factors, including reservoir restrictions at other Valley Water dams, frequent South Bay Aqueduct (State Water Project) planned and unplanned outages, water quality issues when San Luis Reservoir is low (a.k.a. San Luis low point), and unreliable imported water allocations.

##### **4.2. Environmental**

The reservoir pool enables Valley Water's recharge program and provides ancillary benefits to the environment. Valley Water anticipates that further reservoir restrictions and/or dewatering Anderson Reservoir would cause adverse environmental impacts to both state and federally listed species due to:

- 1) An inability to keep Coyote Creek wet downstream of the dam throughout the summer and fall seasons, which would impact sensitive native fish, amphibians, reptiles, wetlands, and riparian habitats;
- 2) Lack of a cold-water pool volume in Anderson that benefits the federally threatened Steelhead downstream of the dam;
- 3) Increased water quality impacts downstream (sedimentation, turbidity, lowered dissolved oxygen, temperature, 303(d) listed contaminants, etc.); and
- 4) Loss of habitat within the reservoir for various species (western pond turtle, raptors, bats, etc.).

Mr. David Capka, PE  
Page 5  
December 31, 2019

Emptying the reservoir would conflict with the federal ESA section 10 and the Santa Clara Valley Habitat Conservation Plan, which specifies the reservoir cannot be dewatered more than 3.5 years in total duration. Any proposal to dewater the reservoir would be subject to federal and state wildlife agency review and approval.

California dam owners must allow sufficient water to pass over, around, or through the dam to keep in good condition any fish that may be planted or exist below the dam (California Fish and Game Code section 5937). Eliminating reservoir storage would effectively eliminate the critical water supply for Coyote Creek to meet this state requirement.

Dewatering the reservoir may impact environmental aspects, in addition to other resources. In previous meetings with FERC, Valley Water was directed to consider the entire reservoir within the area of potential effect for cultural and tribal resources, if dewatering is to occur (Jennifer Polardino, pers. comm. August 15, 2018). Dewatering the reservoir would also impact community recreation, as Anderson Reservoir is used for boating, fishing, and hiking.

#### **5. Summary**

Valley Water recommends continuing with our current operations in order to balance dam safety, environmental requirements, water supply and delivery needs, and compliance with the regulatory requirements while planning for winter storms and providing flood management. The most prudent approach forward to manage risk would be to retrofit the facility as soon as possible.

We appreciate your continued cooperation in the review and approval process for this important dam safety project. If you have questions regarding this letter, please contact me at (408) 630-3796.

Sincerely,



Christopher Hakes, P.E.  
Deputy Operating Officer  
Dam Safety & Capital Delivery

## REFERENCES

1. AMEC, 2011. Appendices A through M to the Anderson Dam Seismic Stability Evaluation (SSE-1A), June.
2. Black & Veatch, 2016. Anderson Dam Seismic Retrofit Project – Potential Failure Modes Analysis - Embankment Fault Rupture Summary Report, March 23.
3. Black & Veatch, 2019. “Anderson Dam Seismic Retrofit Project, Existing Conditions Potential Failure Modes Analysis,” September 24.
4. URS, 2016. “Anderson Dam Seismic Retrofit Project, Assessment of Dam Response to Fault Rupture,” May 24.
5. URS, 2017. Assessment of Interim Reservoir Restriction, January 13.
6. Valley Water, 2019c. Letter Entitled: Anderson Dam Seismic Retrofit Project (ADSRP), - Evaluation of Existing Risk Reduction Measures, October 31.

### Letter Enclosures:

- A. Assessment of Interim Reservoir Restriction 2019 Update (URS, October 21, 2019)
- B. Assessment of Seismic Vulnerability of Structures Appurtenant to the Existing Dam (URS, October 21, 2019)
- C. Memorandum from Jack Xu, P.E. to Victor Gutierrez, P.E., with subject “*Anderson Dam – Response to 5-Sept-2019 FERC Letter Memorandum*” (dated October 22, 2019)
- D. Memorandum from James O’Brien, P.E. to Victor Gutierrez, P.E., with subject “*Coyote and Anderson Reservoir Operations Rule Curves*” (dated October 16, 2019)
- E. Memorandum from Michael Boone, P.E., P.G. to Victor Gutierrez, P.E., with subject “*Anderson Dam – Update regarding potential installation of pumps, enhancements to the Emergency Action Plan (EAP), additional EAP Exercises, and coordination with local Emergency Management Agencies*” (dated October 15, 2019)
7. Letter Report, Board of Consultants, with subject “Board of Consultants Meeting No. 11, Anderson Dam Seismic Retrofit Project, Santa Clara, California” (December 18, 2019)

Mr. David Capka, PE  
Page 7  
December 31, 2019

cc:

Federal Energy Regulatory Commission – Headquarters

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FEDERAL ENERGY REGULATORY COMMISSION  
Office of Energy Projects  
Division of Dam Safety and Inspections  
888 First Street, NE  
Washington, DC 20426  
(202) 502-6314 Office – (202) 219-2731 Facsimile

**December 17, 2019**

In reply refer to:  
Project No. 5737  
NATDAM No. CA00294

VIA USPS First-Class Mail

Mr. Christopher Hakes  
Deputy Operating Officer  
Dam Safety and Capital Delivery Division  
Santa Clara Valley Water District  
5750 Almaden Expressway  
San Jose, CA 95118-3686

Re: Interim Risk Reduction Measures for the Anderson Dam Project

Dear Mr. Hakes:

This letter is in response to your October 31, 2019, submittal reporting the results of your re-evaluation of existing risk reduction measures for the Anderson Dam Seismic Retrofit Project. Your submittal included significant new information indicating that an earthquake with a frequency of only 100 years is expected to cause damage to the existing spillway and outlet works which would prevent normal operation of the reservoir. Additionally, the potential for embankment cracking during earthquakes, which could result in internal erosion of the dam can not be discounted. However, your submittal indicates you intend to continue with the current reservoir operations and that you do not consider additional risk reduction measures necessary.

Under 18 CFR 12.4, I am requiring you to file a plan for the implementation of interim risk reduction measures involving lowering of the reservoir to decrease the risk of downstream consequences in the event of an earthquake and/or flood event between now and the time the Seismic Retrofit Project is scheduled to begin. This plan must be filed within 14 days for review and comment by this office.

In addition, I am requiring you to prepare and submit an Emergency Response Plan which can be implemented during this winter season, rather than your projected completion date of April 2020. This Plan must be filed within 30 days.



Please contact me at (202) 502-6314 with any questions or if further discussion is needed.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. Capka", with a long horizontal flourish extending to the right.

David E. Capka, P.E.  
Director  
Division of Dam Safety and  
Inspections



# MEMORANDUM

FC 14 (08-21-19)

**TO:** Board of Directors

**FROM:** Nina Hawk

**SUBJECT:** San Jose Water Company PFOS Notification

**DATE:** January 7, 2020

---

On January 3, the San Jose Water Company (SJWC) notified Valley Water that they found perfluorooctyl sulfonate (PFOS) above the Notification Level in six of SJWC's 83 groundwater wells (Attachment 1). Notification Levels are nonregulatory, health-based advisory levels set by the State Water Resources Control Board Division of Drinking Water (DDW) for contaminants in drinking water that lack maximum contaminant levels.

PFOS, part of the large family of chemicals known as per- and polyfluoroalkyl substances (PFAS), has a Notification Level of 6.5 parts per trillion (ppt). Through its well testing, SJWC found PFOS above the Notification Level in six of its wells in concentrations ranging from 6.6 to 8.2 ppt. Out of an abundance of caution, SJWC discontinued the use of these six wells. SJWC also plans to notify customers within affected areas.

Per current regulations, a water supplier is required to report any exceedance of the Notification Level to its governing bodies and to notify customers via its annual Consumer Confidence Report. If a water source exceeds the Response Level of 70 ppt for PFOS and perfluorooctanoic acid (PFOA) combined, a water supplier must remove the water source from operations or notify customers within 30 days if it continues to use the affected source. None of SJWC's wells (or any water supply wells within Santa Clara County) have exceeded the Response Level.

Valley Water has been actively engaged with emerging issues related to PFAS and has posted a fact sheet on [www.valleywater.org](http://www.valleywater.org) to provide pertinent information to retailers and customers (Attachment 2). Valley Water will continue to work with the state and with local water retailers to better understand the presence and potential sources of PFAS in local water supplies and to take action if needed to ensure a safe and reliable drinking water supply.

Handwritten signature in blue ink that reads "Aaron Baker for".

Nina Hawk  
Chief Operating Officer  
Water Utility Enterprise

Attachments: 1. SJWC PFOS Notification Letter  
2. Valley Water PFAS Fact Sheet

cc: N. Camacho, R. Callender, B. Yerrapotu, G. Hall

lsu/nh



**San Jose Water**  
**Water Quality and Environmental Services**  
1221A S Bascom Ave, San Jose CA 95128



Nina Hawk, Chief Operating Officer  
Valley Water  
5750 Almaden Expressway  
San Jose, CA 95118

Transmitted Electronically on January 3, 2020

**Subject:** PFOS Notification

Dear Official,

The purpose of this letter is to inform you that San Jose Water (SJW) has found concentrations of perfluorooctyl sulfonate (PFOS) in exceedance of the Notification Level in six of SJW's 83 groundwater wells. The Notification Level was adopted on August 23, 2019 by the California State Water Resources Control Board Division of Drinking Water (DDW). Pursuant to California Health and Safety Code Section 116455, SJW is required to inform its governing body and the governing body of any local agency whose jurisdiction includes the areas supplied with drinking water with concentrations exceeding the PFOS Notification Level of 0.0065 µg/L. Notification Levels are health-based advisory levels established by the DDW for chemicals in drinking water that lack maximum contaminant levels.

PFOS and perfluorooctanoic acid (PFOA) have been extensively produced and studied in the United States. These manmade substances have been synthesized for water and fat resistance. They have been used extensively in consumer products such as carpets, clothing, fabrics for furniture, paper packaging for food, and other materials (e.g., cookware) designed to be waterproof, stain-resistant or non-stick. In addition, they have been used in fire-retarding foam and various industrial processes. The origin of the contaminant in our water supply at this time is unknown; however, SJW is working with DDW and other agencies to determine how it was introduced into our groundwater supply.

SJW voluntarily began monitoring all of its wells for per- and polyfluoroalkyl substances (PFAS) beginning in 2019, ahead of the DDW order to monitor select wells issued on March 12, 2019. Once PFOS, a chemical in the PFAS group, was found in concentrations above the Notification Level in six of its wells, SJW immediately discontinued the use of these wells. This step was taken out of an abundance of caution in the absence of a regulatory limit and will not affect SJW's ability to deliver safe, high quality, and reliable water service to customers.

**SJW customers are no longer receiving water with concentrations of PFOS above the Notification Level.** The Notification Level for PFOS is 6.5 part per trillion. One part per trillion (ng/L) corresponds to a penny in \$10 billion.

The concentration levels measured in SJW groundwater are summarized in Table 1. Maps of the affected areas are provided in Figures 1 and 2.

In addition to this notification, SJW plans to send a separate letter to all of its affected customers. More information about PFAS can be found at <https://www.waterboards.ca.gov/pfas/> and [www.sjwater.com/pfas](http://www.sjwater.com/pfas).

**Background:**

If a chemical is present in drinking water that is provided to consumers at concentrations considerably greater than the Notification Level, for instance at the Response Level set by DDW, DDW requires that the drinking water system take the source out of service. SJW is continuing to monitor the levels in our source(s) and has not exceeded the Response Level at this time. Additional information will be provided to our customers in the SJW Consumer Confidence Report that will be published in April of 2020.

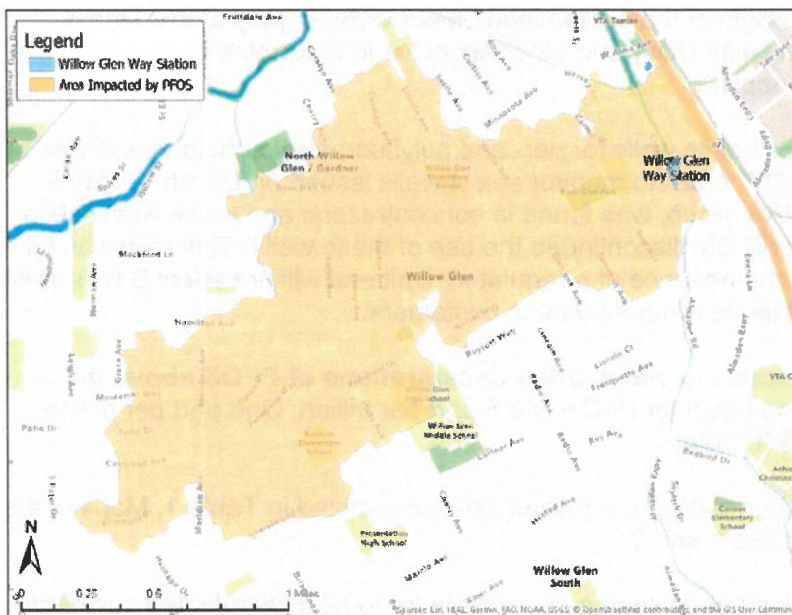
**Potential Health Effects:**

Per DDW, based on the current evaluation of recent human and animal toxicity data, exposure to PFOA and PFOS in tap water over certain levels may result in adverse health effects including hepatotoxicity, immunotoxicity, thyroid toxicity, reproductive toxicity, and cancer (pancreatic and liver).

**Table 1 – Wells with detection of PFOS >0.0065 ug/L**

Well ID	Sample Date	Parameter Name	Report Result	Report Units
Williams Rd 2	06/25/2019	Perfluorooctyl Sulfonate (PFOS)	0.0072	ug/L
Williams Rd 14	11/15/2019	Perfluorooctyl Sulfonate (PFOS)	0.0066	ug/L
Williams Rd 15	06/26/2019	Perfluorooctyl Sulfonate (PFOS)	0.0082	ug/L
Willow Glen Way 3	06/19/2019	Perfluorooctyl Sulfonate (PFOS)	0.0078	ug/L
Willow Glen Way 4	05/15/2019	Perfluorooctyl Sulfonate (PFOS)	0.0074	ug/L
Willow Glen Way 5	06/19/2019	Perfluorooctyl Sulfonate (PFOS)	0.0074	ug/L

**Figure 1 – Map of area that may have received water from Willow Glen wells with PFOS concentrations >0.0065 ug/L**



**Figure 2 – Map of area that may have received water from Williams wells with PFOS concentrations >0.0065 ug/L**



If you have any questions regarding this letter or would like more information on PFAS, please call Francois Rodigari, Director of Water Quality & Environmental Services, at (408) 279-7967.

Sincerely,

John Tang, P.E.  
Vice President of Regulatory Affairs and Government Relations, San Jose Water Company

CC: SJW Board of Directors  
Andrew R. Gere, P.E., SJW President & Chief Operating Officer  
Curtis A. Rayer, SJW VP of Operations  
Francois Rodigari, SJW Director of Water Quality & Environmental Services  
Adam S. Feffer, P.E., SJW Manager of Water Quality  
Liann Walborsky, SJW Director of Corporate Communications  
California Public Utilities Commission  
Eric Lacy, P.E., District Engineer, DDW Santa Clara District  
Dr. Sara Cody, Public Health Officer, Santa Clara County



### What are PFAS, PFOA, and PFOS?

Per- and Polyfluoroalkyl Substances (PFAS) are a grouping of more than 4,500 chemicals that resist heat, oils, stains and water. They have been widely used in consumer products such as carpets, clothing, fabrics for furniture, paper packaging for food, firefighting foams, and other materials like cookware designed to be waterproof, stain resistant or nonstick. Perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) are two common types of PFAS.

Certain PFAS chemicals (including PFOA and PFOS) are no longer manufactured in the US. However, they are still produced internationally and are imported into the US in consumer goods.



### What are the health effects of PFOA and PFOS?

PFOA is a possible human carcinogen according to the International Agency for Research on Cancer. Available studies suggest PFAS exposure can cause adverse effects in humans, including increased cholesterol, thyroid and liver disease, decreased fertility, lower birth weights, decreased vaccine response, and pregnancy-induced hypertension.



### How are people exposed to PFAS?

These chemicals have been widely used for decades in industrial applications and consumer products. Most people have been exposed to these chemicals through consumer products but drinking water can be an additional source of exposure. The major sources of PFAS in water supplies are fire training/response sites, industrial sites, landfills, and wastewater treatment plants/biosolids. Because of their persistence in the environment, PFAS have the potential to accumulate in water supplies.



### Are there drinking water standards for PFOA and PFOS?

State and federal lawmakers and regulators are moving toward stricter standards and guidelines for the detection, public notification, and treatment of PFOA and PFOS in drinking water.

Currently, the EPA has established a drinking water health advisory of 70 parts per trillion (ppt) for a combined concentration of PFOA and PFOS. If exceeded, EPA recommends water providers assess the contamination, inform customers, and limit exposure. EPA is working to establish drinking water regulations for PFOA and PFOS by setting an enforceable Maximum Contaminant Level.

The California State Water Resources Control Board (State Board) has established a drinking water notification level for PFOA (5.1 ppt) and PFOS (6.5 ppt). If exceeded, water providers are required to notify their governing bodies and the State Board recommends they inform customers. The State Board has also set a response level of 70 ppt for PFOA and PFOS combined. If exceeded, the State Board recommends removal of the drinking water source from service. The State Board is considering lowering the response levels for PFOA and PFOS by the end of 2019. Recent state legislation also provides for increased monitoring and consumer notifications.



### Has local water been tested for PFOA and PFOS?

To better understand the occurrence of PFAS, the EPA required large public water systems to test for various PFAS, including PFOA and PFOS, between 2013 and 2015. There were no detections of PFAS in groundwater or surface water in Santa Clara County as part of this testing.

The ability to detect these chemicals at even lower levels has evolved since the EPA-required sampling. Based on limited sampling conducted since then, PFOA and PFOS have not been detected in Valley Water's imported water or treated water supplies.

PFOA and PFOS have been found in a limited number of groundwater wells in Santa Clara County. Most are shallow groundwater monitoring wells that are not used for drinking water. However, Valley Water has detected PFOA and PFOS in two of the three water supply wells we own for emergency backup supply. No water from these wells has been delivered to water retailers (or consumers), and the levels of PFOA and PFOS detected are below the notification levels set by the State Board.

The State Board has ordered testing of wells throughout the state for PFOA and PFOS to help inform potential drinking water standards. The testing will be conducted in phases and will continue into 2020. In the first phase, wells were selected based on the proximity to landfills or airports, or if they had prior detections of PFOA or PFOS. Future phases will target other potential PFAS sources like industrial sites and wastewater treatment systems. Results from this testing, which include wells in Santa Clara County, will help us better understand the presence of PFAS in local groundwater.

### **How can PFAS in drinking water be treated?**

If PFAS is detected above State Board response levels, water providers may treat the water, remove it from service, or blend it with unaffected supplies. Treatment technologies that have shown to be effective in removing PFAS from drinking water include granular activated carbon, powdered activated carbon, high pressure membranes (reverse osmosis/nanofiltration) and ion exchange resin. More information can be found at <https://www.epa.gov/pfas/treating-pfas-drinking-water> and <https://www.nsf.org/newsroom/pfoa-pfos-reduction-claims-requirements-added-to-nsf-standards>

### **Are PFAS found in bottled water?**

Bottled water producers are not required to test for PFAS. We recommend consumers contact bottle water producers directly for information about their product's water quality.

### **Are PFAS found in purified recycled water?**

Valley Water is exploring the use of purified recycled water as a drought-resilient water supply for groundwater recharge or other uses. While PFAS are

present in wastewater, any purified recycled water used in Santa Clara County would be treated with multiple, proven technologies including reverse osmosis, which is effective in treating PFAS. Valley Water is carefully testing these technologies at our Silicon Valley Advanced Water Purification Center to ensure purified recycled water meets or exceeds drinking water standards and is protective of the environment.

### **What is Valley Water doing about PFAS?**

We will continue to work with the state and with local water retailers to better understand the presence and potential sources of PFAS in local water supplies and to take action if needed to ensure a safe and reliable drinking water supply. To support this, we are exploring additional monitoring and our water quality laboratory is preparing to obtain state certification to test for PFAS in drinking water.

We take our responsibility to provide safe, clean water and to protect local groundwater very seriously. Valley Water and local water retailers use proven technologies and best practices to ensure drinking water delivered to businesses and residents meets or exceeds all state and federal drinking water standards.

Si habla español y tiene preguntas sobre el contenido de este mensaje por favor de comunicarse con José Villarreal a [JVillarreal@ValleyWater.org](mailto:JVillarreal@ValleyWater.org) o (408) 630-2879.

Nếu bạn nói tiếng Việt và có thắc mắc về nội dung của thông báo này, xin vui lòng liên hệ với Hoan Cutler tại [HCutler@ValleyWater.org](mailto:HCutler@ValleyWater.org) hoặc (408) 630-3135.

如果你說中文並對上述訊息有疑問，請聯繫 Sarah Young，電郵 [SYoung@valleywater.org](mailto:SYoung@valleywater.org)，或者電話：(408) 630-2468。

Kung ang wika mo ay Tagalog at kailangan mo pa ng impormasyon, tawagan mo si Benjamin Apolo sa (408) 630-2042 o sumulat sa [BApolo@ValleyWater.org](mailto:BApolo@ValleyWater.org).

## CONTACT US

To find out more about PFAS or to submit questions or comments, contact George Cook at (408) 630-2964 or [GCook@valleywater.org](mailto:GCook@valleywater.org) or use our Access Valley Water customer request system at <https://deliver.com/2yukx>.



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**MEMORANDUM**

FC 14 (02-08-19)

**TO:** Board of Directors **FROM:** Darin Taylor,  
Chief Financial Officer

**SUBJECT:** Monthly and Quarterly Report of Investments **DATE:** January 10, 2020  
as of December 31, 2019

**SUMMARY:**

In accordance with District Board Investment Policy and California Government Code sections 53607 and 53646, the Treasurer’s Monthly and Quarterly Report of Investments as of December 31, 2019, is attached. This report complies with Executive Limitation-4 Financial Management.

**RATIONALE:**

California Government Code section 53607 requires the Treasurer of the local agency who has been delegated with the authority to invest funds to provide a monthly report of the investment transactions to the legislative body. Furthermore, Government Code Section 53646 recommends that the Treasurer submit a quarterly report to the legislative body of the local agency to assist with its fiscal oversight role. The quarterly report shall include the types of investment, issuer, date of maturity, par, market value and dollar amount for all securities, investments and moneys held by the local agency. The report shall also confirm compliance of the portfolio with the investment policy as well as a statement denoting the agency’s ability to meet its expenditure requirements for the next six months. This report is provided to the Board in compliance with Board Investment Policy and Government Code sections 53607 and 53646.

**STAFF ANALYSIS:**

**Interest Rates**

The yield-to-maturity of the District’s portfolio as of December 31, 2019, was 2.09%. This represents a slight decrease of 0.06% compared to the yield of 2.15% for September 2019.

Table 1 below summarizes the historical yield-to-maturity of the District’s portfolio.

<b>Table 1 - District Portfolio Yield-to-Maturity</b> (365 days equivalent)				
<b>Fiscal Year</b>	<b>September Q1</b>	<b>December Q2</b>	<b>March Q3</b>	<b>June Q4</b>
2019	1.93%	2.06%	2.18%	2.16%
2020	2.15%	2.09%		



## Investment Strategy

In accordance with the strategy recommended by the Investment Committee and approved by the Board, staff continues to ladder the portfolio. When funds mature, if the money is not needed for current expenditures, they are reinvested in securities that have maturities of up to five years.

The average life of the portfolio on December 31, 2019 was 596 days (1.6 years), well within the 2.5-year average life threshold permitted by the Investment Policy. During the quarter, the Treasury Officer purchased 27 securities with total par amount of \$54.9 million and yield-to-maturity ranging from 1.58% to 2.14% and weighted average yield-to-maturity of 1.74%.

The District's portfolio is invested with a primary goal of safety. To accomplish this goal, we only invest in securities that are permitted by California Government Code and the Board Investment Policy. These securities have high credit ratings and maturities of no more than 5 years. As of December 31, 2019, approximately 74% of the portfolio was held in US Government Treasury/Agency Notes and Municipal Bonds, 16% was held in liquid funds (Local Area Investment Fund/money market mutual fund) and 10% in supranational/corporate medium-term notes.

Driving the flattening in the overall yield of the portfolio over the last few years is the low re-investment rate the District receives. The low short-term interest rate environment is primarily driven by the continued low Federal Funds target rate. In late 2008, the Federal Open Market Committee ("FOMC") lowered the Federal Funds target rate to a range of between 0% and 0.25%. The Committee maintained this rate through October 28, 2015 but has since gradually increased the rate. At the December 11, 2019 meeting, the FOMC stated: "In view of realized and expected labor market conditions and inflation, the Committee decided to maintain the target range for the federal funds rate at 1-1/2 to 1-3/4 percent."<sup>1</sup>

Staff recommends continuing the strategy of investing in short-term, liquid instruments such as money market mutual funds, LAIF, high grade corporate medium term notes and short-term U.S. government treasury and agency securities until financial markets show clear and continued signs of stabilization and improvement. While this strategy has the effect of achieving a lower investment yield compared to a longer-term investment strategy, safety and liquidity of the District portfolio will be maintained. Staff will look for value within the five-year horizon and will match maturities with cash flow requirements as opportunities arise.

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<sup>1</sup><https://www.federalreserve.gov/newsevents/pressreleases/monetary20191211a.htm>

## Interest Income

For the quarter ended December 31, 2019, the District received total interest earnings of \$3.50 million. Table 2 below illustrates the historical interest earnings of the District's investment portfolio.

<b>Table 2 – District Portfolio Quarterly Interest Earnings</b>		
<b>Fiscal Year</b>	<b>Quarter Ending:</b>	<b>Earnings*</b>
2018-19	September	2,754,544
	December	2,984,795
	March	3,443,714
	June	\$3,615,339
	<b>Total</b>	<b>\$12,798,392</b>
2019-20	September	3,668,081
	December	3,505,816
	<b>Total</b>	<b>\$7,173,896</b>

\* Earnings include interest earned plus accrued interest and adjustments for premiums/discounts for the period.

## Performance Measurement

The District benchmarks its portfolio performance against the 24-month floating average of the 2-year Treasury note. This benchmark approximates relatively closely to the holdings of the District. However, there is no benchmark that will exactly mimic the District's mix of investments.

For the quarter ended December 31, 2019, the District portfolio yield-to-maturity was 2.09% while the benchmark yield was 2.24% for a slight difference of -0.15%. Yields on the 2-year Treasury note reflect the gradually rising interest rate in the short end of the yield curve. The District's yields are slightly lower because of the staggered maturity investment strategy described above and holding to maturity certain securities purchased in times of lower rates.

As a result of low interest rates in the current market environment, the redemption of higher-yielding callable securities and the continued maturities of securities bought in better economic times, the yield on the District's investment portfolio is expected to remain modest over the next few quarters but may gradually increase over time as the U.S. economy improves and global uncertainties wane. The portfolio will continue to be invested according to the tenets of safety, liquidity and yield in conformance with the California Government Code and District Investment Policy.

**Summary of Cumulative Changes in the District Portfolio**

The book value of the portfolio was approximately \$619 million on December 31, 2019 compared to \$626 million on September 30, 2019, a decrease of \$7 million or -1.2%. This decrease reflects the normal fluctuations of the District’s investment portfolio due to receipt of expected revenues. (e.g. property taxes, water utility revenues, etc.) which are offset by planned expenditures for debt service, operating and capital projects incurred during the quarter.

The historical quarterly changes in book value are summarized in Table 3 below.

<b>Table 3 – District Portfolio Book Value</b>				
<b>Fiscal Year</b>	<b>Quarter Ending:</b>	<b>Book Value</b>	<b>\$ Change</b>	<b>% Change</b>
2018-19	September	\$569,055,572	(\$24,262,020)	-4.1%
	December	\$578,467,963	\$9,412,391	1.7%
	March	\$609,566,995	\$31,099,032	5.4%
	June	\$657,570,589	\$45,003,594	7.4%
2019-20	September	\$626,255,919	(\$28,314,670)	-4.8%
	December	\$619,009,295	(\$7,246,624)	-1.2%
	March			
	June			

**Portfolio Market Valuation**

In accordance with California Government Code, all public agencies must report unrealized gains and losses in their investment portfolios on a quarterly basis. Table 4 below shows the market value of the District’s investments as reported by ICE Data Pricing & Reference Data, LLC on December 31, 2019 compared to the amortized book value.

<b>Table 4 – District Portfolio Market Value</b>	
Market Value	\$623,240,035
Amortized Book Value	\$619,009,295
Unrealized Gain (Loss)	\$4,230,740

If the entire portfolio had been liquidated on December 31, 2019, the District would have received \$4,230,740 more than the total amortized cost of the portfolio. This is the result of a direct relationship between changes in market interest rates and the value of investment securities. As general market interest rates increase, the value of investments purchased at lower yields decrease, and as general market interest rates decrease, the value of investments purchased at higher yields increase.

The District’s Investment Policy dictates a buy-and-hold strategy in which the District holds all securities to their maturity under normal operating conditions. When an investment matures, the District is paid the full-face value of that security and therefore incurs no loss or gain. Since the portfolio was not liquidated, the “gain” was unrealized and had no impact on the portfolio size or yield.

## Collateralization of Outstanding Repurchase Agreements

As of December 31, 2019, the District had no outstanding repurchase agreements.

## Debt Information

The District Investment Policy and governmental regulations require that the District report on the investment of bond proceeds. Investment of bond proceeds is governed by the legal bond documents and applicable governmental regulations. In particular, these funds can be invested for longer periods to match the terms of the outstanding bonds.

## Investment of Debt Proceeds

Table 5 below summarizes the debt proceeds investment information as of December 31, 2019. The investments of the debt proceeds are in accordance with the provisions for Permitted Investments as specified in each corresponding Indenture/Trust Agreement.

<b>Description</b>	<b>Market Value 12/31/2019</b>	<b>Yield at market</b>	<b>Maturity Date</b>
Series 2012A Reserve Fund	\$5,342,155	1.875%	09/30/2022
Series 2017A Acquisition and Construction Fund	\$2,002,468	1.50%	02/28/2020

## Compliance with State Law and District Policy

For the quarter ended December 31, 2019, all investments were in compliance with the Board Investment Policy which include relevant laws and regulations. The investment portfolio has been structured to ensure that sufficient monies will be available to cover anticipated expenditures in the coming six months.

## Socially Responsible Investments

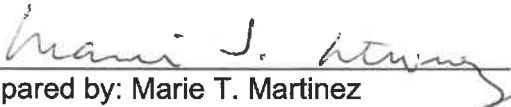
In a unanimous vote on December 12, 2017, the board voted to amend the district's investment policy to promote socially responsible investment (SRI) practices, and adopted a set of moral, ethical, environmental, social and governance guiding principles (ESG) to lead investment decisions. The board also approved prioritizing local investment possibilities with California based banks and banks with less than \$10 billion in assets, to keep funds in the local economy and promote local job growth.

To implement the Board's directive, staff conducted a comprehensive research of various banks and credit unions in the Bay Area to evaluate and measure risks and financial impacts. The financial impacts include assessing ESG factors to optimize risk-adjusted returns, influencing corporate behavior to enhance long-term outcomes, and contributing to the integrity of the financial market. The non-financial impacts include assessing the long-term investment horizon to reflect concerns and values of stakeholders and managing the reputation and business risk of the organization.

Staff researched eligible Bay Area banks and credit unions based on Federal Deposit Insurance Corporation (FDIC) and National Credit Union Administration (NCUA) data. Staff has acquired the following Certificates of Deposit (CDs) to-date: Alliance Credit Union (San Jose), Bank of San Francisco (San Francisco), Community Bank of the Bay (Oakland), Mechanics Bank (Walnut Creek), MERIWEST Credit Union (San Jose), Provident Credit Union (San Jose), Technology Credit Union (San Jose), and Summit State Bank (Santa Rosa). The rates published on the website for these institutions range from 0.45% to 2.28%. Staff negotiated for higher rates ranging from 2.00% to 2.78%. Staff also negotiated and established collateralized business deposit accounts with the following local institutions: Community Bank of the Bay (Oakland), MERIWEST Credit Union (San Jose) and Technology Credit Union (San Jose), with special interest rates to match or exceed the State of California Pooled Money Investment Account rates (click here to see monthly [LAIF](#) interest rates). These accounts are secured by letters of credit each bank has arranged to be issued by the Federal Home Loan Bank in an amount equal to 105% of the deposit amount, pursuant to the California Government Code and our Investment Policy. Staff will continue to monitor for local investment opportunities to meet the Board directed investment objective.

A summary of the change in the District's investment in certificates of deposit and collateralized deposits is summarized in Table 6 below.

<b>Table 6 – Certificate of Deposit &amp; Money Market Deposit Summary</b>				
<b>Description</b>	<b>Book Value 09/30/2019</b>	<b>Book Value 12/31/2019</b>	<b>Increase/ (Decrease)</b>	<b>% Change</b>
Certificates of Deposit and Collateralized Business Deposit Accounts	\$23,303,697	26,759,556	3,455,859	15%

  
 Prepared by: Marie T. Martinez  
 Treasury Management Analyst II

  
 Reviewed by: Charlene Sun  
 Treasury/Debt Officer

- Attachments:**
- 1: Portfolio Management reports
  - 2: Portfolio Composition Pie Chart
  - 3: Yield Comparison Graph



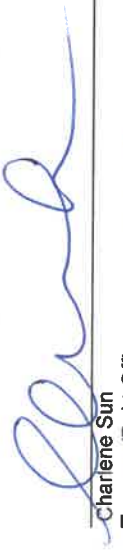
**Santa Clara Valley Water Dist.  
Portfolio Management  
Portfolio Summary  
December 31, 2019**


SANTA CLARA VALLEY WATER  
5750 Almaden Expressway  
San Jose, Ca 951  
(408)265-2607

Investments	Par Value	Market Value	Book Value	% of Portfolio	YTM 365 Equiv.	Term	Days to Maturity
Treasury Securities - Coupon	23,000,000.00	23,139,441.00	23,007,054.36	3.72	2.032	1,031	684
Federal Agency Issues - Coupon	368,199,000.00	372,163,252.49	369,366,882.86	59.67	2.148	1,210	714
Negotiable CD's - Interest Bearing	1,200,000.00	1,213,475.04	1,200,000.00	0.19	2.699	833	340
LAIF	62,451,217.78	62,451,217.78	62,451,217.78	10.09	2.450	1	1
Medium Term Notes	18,003,000.00	18,210,667.47	17,817,564.47	2.88	2.631	1,402	825
Money Market Account	40,244,123.36	40,244,123.36	40,244,123.36	6.50	0.050	1	1
TimeCD_Deposit Account	26,759,555.69	26,759,555.69	26,759,555.69	4.32	2.293	1	1
Supranational	15,000,000.00	15,168,907.21	14,959,132.39	2.42	2.440	1,297	641
Municipal Bonds	63,194,051.43	63,889,394.91	63,203,763.90	10.21	2.370	1,394	1,020
<b>Investments</b>	<b>618,050,948.26</b>	<b>623,240,034.95</b>	<b>619,009,294.81</b>	<b>100.00%</b>	<b>2.089</b>	<b>976</b>	<b>596</b>

Total Earnings	December 31 Month Ending	Fiscal Year To Date
Current Year	1,158,246.14	7,173,896.35
Average Daily Balance	622,135,640.12	631,066,207.20
Effective Rate of Return	2.19%	2.26%

Current market pricing is updated at the end of each month from data provided by Interactive Data, a securities pricing service.

  
Charlene Sun  
Treasury/Debt Officer

Date: 1/9/2020  
  
Darin Taylor, Chief Financial Officer

Reporting period 12/01/2019-12/31/2019

Run Date: 01/07/2020 - 07:45

Portfolio SCVW  
AC  
PM (PRF\_PM1) 7.3.0  
Report Ver. 7.3.6.1

**Santa Clara Valley Water Dist.  
Portfolio Management  
Activity Summary  
December 2018 through December 2019**

Month End	Year	Number of Securities	Total Invested	Yield to Maturity		Managed Pool Rate	Number of Investments Purchased	Number of Investments Redeemed	Average Term	Days to Maturity	Average
				360 Equivalent	365 Equivalent						
December	2018	177	578,467,963.19	2.031	2.059	2.160	14	9	1,053		690
January	2019	183	604,085,951.21	2.088	2.117	2.400	15	1	1,066		695
February	2019	197	616,976,647.15	2.108	2.137	2.400	15	5	1,070		698
March	2019	201	609,566,995.49	2.148	2.178	2.400	9	9	1,083		703
April	2019	203	625,347,308.99	2.129	2.158	2.550	11	7	1,052		676
May	2019	203	594,300,119.11	2.140	2.170	2.550	7	14	1,044		674
June	2019	206	657,570,588.96	2.127	2.157	2.550	16	7	1,025		678
July	2019	203	647,733,919.74	2.132	2.161	2.570	5	5	1,035		675
August	2019	199	635,062,520.39	2.183	2.213	2.570	2	2	1,050		664
September	2019	203	626,255,918.57	2.123	2.153	2.570	6	10	1,022		628
October	2019	201	626,726,602.80	2.103	2.132	2.450	8	7	998		597
November	2019	206	613,830,410.52	2.111	2.140	2.450	12	10	1,008		613
December	2019	203	619,009,294.81	2.060	2.089	2.450	7	10	976		596
<b>Average</b>		<b>199</b>	<b>619,610,326.23</b>	<b>2.114%</b>	<b>2.143%</b>	<b>2.467</b>	<b>10</b>	<b>7</b>	<b>1,037</b>		<b>661</b>

**Santa Clara Valley Water Dist.**  
**Portfolio Management**  
**Activity By Type**  
**December 1, 2019 through December 31, 2019**

CUSIP	Investment #	Issuer	Stated Rate	Transaction Date	Purchases or Deposits	Redemptions or Withdrawals	Balance
<b>Treasury Securities - Coupon</b>							
9128286U9	5430	US Treasury Bill	2.125	12/12/2019	3,033,632.81	0.00	
		<b>Subtotal</b>			<b>3,033,632.81</b>	<b>0.00</b>	<b>23,007,064.36</b>
<b>Federal Agency Issues - Coupon</b>							
3133EGW92	5089	Federal Farm Credit Bank	1.500	12/19/2019	0.00	3,000,000.00	
3133EHZ19	5143	Federal Farm Credit Bank	1.840	12/11/2019	0.00	2,000,000.00	
3133EHT78	5172	Federal Farm Credit Bank	1.830	12/04/2019	0.00	2,997,308.26	
3133EJ2H1	5291	Federal Farm Credit Bank	3.110	12/10/2019	0.00	5,000,000.00	
3133EJ2J7	5292	Federal Farm Credit Bank	3.400	12/11/2019	0.00	3,000,000.00	
3133ECPJ2	5426	Federal Farm Credit Bank	2.000	12/11/2019	1,007,900.00	0.00	
3133ELEL4	5432	Federal Farm Credit Bank	1.690	12/19/2019	5,000,000.00	0.00	
3133894G3	5427	Federal Home Loan Bank	2.125	12/11/2019	1,015,140.00	0.00	
3134G9YJ0	5041	Federal Home Loan Mortgage Cor	2.000	12/30/2019	0.00	1,615,000.00	
3134GB4R0	5162	Federal Home Loan Mortgage Cor	2.250	12/15/2019	0.00	3,000,000.00	
3134GSJ48	5313	Federal Home Loan Mortgage Cor	3.100	12/27/2019	0.00	3,005,571.43	
3134G9VX2	5337	Federal Home Loan Mortgage Cor	2.000	12/30/2019	0.00	2,974,745.96	
3134GUVF2	5428	Federal Home Loan Mortgage Cor	1.730	12/11/2019	3,000,000.00	0.00	
3134GUC32	5431	Federal Home Loan Mortgage Cor	2.000	12/19/2019	3,000,000.00	0.00	
3135G0V34	5429	Fed Natl Mortgage Assoc	2.500	12/11/2019	5,159,550.00	0.00	
3136G3TU9	5026	FNMA Discount Notes	1.125	12/30/2019	0.00	5,000,000.00	
		<b>Subtotal</b>			<b>18,182,590.00</b>	<b>31,592,625.65</b>	<b>369,366,882.86</b>
<b>Negotiable CD's - Interest Bearing</b>							
		<b>Subtotal</b>					<b>1,200,000.00</b>
<b>LAIF (Monthly Summary)</b>							
		<b>Subtotal</b>					<b>62,451,217.78</b>
<b>Medium Term Notes</b>							
		<b>Subtotal</b>					<b>17,817,564.47</b>
<b>Money Market Account (Monthly Summary)</b>							
23380W523	4102	Daily Income US Gov MMF	0.050		86,393,715.19	75,848,668.74	
		<b>Subtotal</b>			<b>86,393,715.19</b>	<b>75,848,668.74</b>	<b>40,244,123.36</b>



**Santa Clara Valley Water Dist.  
Portfolio Management  
Activity By Type  
December 1, 2019 through December 31, 2019**

CUSIP	Investment #	Issuer	Stated Rate	Transaction Date	Purchases or Deposits	Redemptions or Withdrawals	Balance
<b>TimeCD_Deposit Account (Monthly Summary)</b>							
SYS5317	5317	Alliance Credit Union	2.470		514.91	0.00	
SYS5309	5309	Community Bank of the Bay	2.704		549.02	0.00	
SYS5371	5371	Community Bank of the Bay	2.440		9,335.99	0.00	
SYS5395	5395	Merwest Credit Union	2.500		508.68	0.00	
SYS5398	5398	Merwest Credit Union	2.500		10,571.68	0.00	
SYS5397	5397	Provident Credit Union	2.610		530.42	0.00	
SYS5310	5310	Technology Credit Union	2.776		1,724.05	0.00	
SYS5369	5369	Technology Credit Union	2.150		5,018,928.22	0.00	
		<b>Subtotal</b>			<b>5,042,662.97</b>	<b>0.00</b>	<b>26,759,555.69</b>
<b>Supranational</b>							
		<b>Subtotal</b>					<b>14,959,132.39</b>
<b>Municipal Bonds</b>							
		<b>Subtotal</b>					<b>63,203,763.90</b>
		<b>Total</b>			<b>112,652,600.97</b>	<b>107,441,294.39</b>	<b>619,009,294.81</b>

Supranational

Subtotal

Municipal Bonds

Subtotal

Total

**Santa Clara Valley Water Dist.**  
**Portfolio Management**  
**Portfolio Details - Investments**  
**December 31, 2019**

CUSIP	Investment # - Coupon	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM 365	Term	Days to Maturity	Maturity Date
<b>Treasury Securities - Coupon</b>												
912828XE5	5155	US Treasury Bill		10/24/2017	3,000,000.00	2,998,344.00	2,998,331.05	1.500	1.638	950	151	05/31/2020
912828Q37	5206	US Treasury Bill		05/10/2018	5,000,000.00	4,977,150.00	4,917,023.63	1.250	2.642	1,056	455	03/31/2021
9128284P2	5277	US Treasury Bill		09/21/2018	3,000,000.00	3,041,250.00	2,990,305.07	2.625	2.871	967	500	05/15/2021
912828VB3	5384	US Treasury Bill		06/18/2019	3,000,000.00	3,011,601.00	2,993,095.80	1.750	1.821	1,427	1,230	05/15/2023
9128286U9	5404	US Treasury Bill		09/27/2019	3,000,000.00	3,037,032.00	3,036,074.49	2.125	1.604	961	865	05/15/2022
9128286U9	5405	US Treasury Bill		09/27/2019	3,000,000.00	3,037,032.00	3,034,622.86	2.125	1.625	961	865	05/15/2022
9128286U9	5430	US Treasury Bill		12/12/2019	3,000,000.00	3,037,032.00	3,037,601.46	2.125	1.651	885	865	05/15/2022
<b>Subtotal and Average</b>			<b>21,927,378.34</b>		<b>23,000,000.00</b>	<b>23,139,441.00</b>	<b>23,007,054.36</b>		<b>2.032</b>	<b>1,031</b>	<b>684</b>	
<b>Federal Agency Issues - Coupon</b>												
3133EG5D3	5086	Federal Farm Credit Bank		01/27/2017	3,000,000.00	3,026,589.78	3,000,000.00	2.030	2.030	1,826	757	01/27/2022
3133EHJAJ	5095	Federal Farm Credit Bank		05/08/2017	3,000,000.00	2,999,000.34	3,000,021.17	1.550	1.548	1,096	128	05/08/2020
3133EHPD9	5118	Federal Farm Credit Bank		06/29/2017	3,000,000.00	3,000,024.00	3,000,000.00	1.670	1.670	1,089	173	06/22/2020
3133ECPD0	5141	Federal Farm Credit Bank		09/14/2017	2,085,000.00	2,083,538.67	2,084,564.93	1.420	1.478	972	133	05/13/2020
3133EHJAJ	5142	Federal Farm Credit Bank		09/14/2017	1,850,000.00	1,849,383.54	1,850,380.99	1.550	1.490	967	128	05/08/2020
3133EGBL8	5170	Federal Farm Credit Bank		12/26/2017	3,000,000.00	2,997,899.43	2,992,957.68	1.370	2.000	875	139	05/19/2020
3133EGBL8	5175	Federal Farm Credit Bank		12/29/2017	3,000,000.00	2,997,899.43	2,992,398.77	1.370	2.050	872	139	05/19/2020
3133EGCN3	5176	Federal Farm Credit Bank		12/29/2017	5,000,000.00	4,998,256.05	4,995,785.31	1.490	2.000	794	61	03/02/2020
3133EGBL8	5177	Federal Farm Credit Bank		12/29/2017	4,000,000.00	3,997,199.24	3,990,076.84	1.370	2.036	872	139	05/19/2020
3133EJAD1	5184	Federal Farm Credit Bank		01/23/2018	5,000,000.00	5,027,705.15	4,999,118.32	2.150	2.169	1,065	357	12/23/2020
3133EJAD1	5185	Federal Farm Credit Bank		01/23/2018	5,000,000.00	5,027,705.15	4,999,832.38	2.150	2.154	1,065	357	12/23/2020
3133EJTB5	5249	Federal Farm Credit Bank		06/29/2018	4,500,000.00	4,622,567.58	4,505,228.03	2.800	2.748	1,398	847	04/27/2022
3133EGAH8	5251	Federal Farm Credit Bank		07/03/2018	4,582,000.00	4,568,105.13	4,507,819.46	1.550	2.780	1,049	502	05/17/2021
3133EJSA8	5252	Federal Farm Credit Bank		07/03/2018	5,000,000.00	5,085,079.20	5,001,985.02	2.730	2.702	1,084	537	06/21/2021
3133EJP60	5318	Federal Farm Credit Bank		01/23/2019	3,000,000.00	3,132,596.58	3,030,785.87	3.000	2.672	1,560	1,217	05/02/2023
3133EJW70	5327	Federal Farm Credit Bank		01/25/2019	3,000,000.00	3,054,557.67	3,011,691.26	2.875	2.586	852	511	05/26/2021
3133ED2B7	5333	Federal Farm Credit Bank		02/01/2019	1,000,000.00	1,070,750.20	1,036,535.31	3.610	2.560	1,690	1,356	09/18/2023
3133EKAK2	5339	Federal Farm Credit Bank		02/14/2019	3,000,000.00	3,058,199.49	2,998,558.78	2.530	2.554	1,096	775	02/14/2022
3133EKBV7	5348	Federal Farm Credit Bank		03/01/2019	3,000,000.00	3,060,678.03	3,001,742.30	2.550	2.522	1,096	790	03/01/2022
3133EKEN2	5355	Federal Farm Credit Bank		03/26/2019	3,000,000.00	3,004,933.02	3,000,000.00	2.520	2.520	731	450	03/26/2021
3133EKLA2	5372	Federal Farm Credit Bank		05/15/2019	3,000,000.00	3,065,385.63	3,009,344.01	2.300	2.203	1,461	1,230	05/15/2023
3133EKLA2	5375	Federal Farm Credit Bank		05/24/2019	1,805,000.00	1,844,340.35	1,814,284.19	2.300	2.140	1,452	1,230	05/15/2023
3133EKLQ7	5376	Federal Farm Credit Bank		06/03/2019	5,000,000.00	5,046,927.55	5,015,288.64	2.250	2.022	714	502	05/17/2021
3133EKQP4	5377	Federal Farm Credit Bank		06/12/2019	5,000,000.00	5,037,434.95	4,995,591.80	1.875	1.906	1,279	1,076	12/12/2022
3133EKP65	5380	Federal Farm Credit Bank		06/10/2019	3,000,000.00	3,052,053.24	3,023,441.31	2.125	1.903	1,548	1,343	09/05/2023
3133EDBU5	5381	Federal Farm Credit Bank		06/10/2019	3,000,000.00	3,213,423.36	3,183,266.30	3.500	1.887	1,654	1,449	12/20/2023

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**Santa Clara Valley Water Dist.  
Portfolio Management  
Portfolio Details - Investments  
December 31, 2019**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM	Term	Days to Maturity	Maturity Date
<b>Federal Agency Issues - Coupon</b>												
3133EHN25	5382	Federal Farm Credit Bank		06/18/2019	3,000,000.00	3,062,282.22	3,031,846.15	2.200	1.910	1,597	1,400	11/01/2023
3133EKKU9	5383	Federal Farm Credit Bank		06/18/2019	3,000,000.00	3,073,710.15	3,044,243.54	2.300	1.899	1,604	1,407	11/08/2023
3133ECPM0	5385	Federal Farm Credit Bank		06/20/2019	4,595,000.00	4,669,909.38	4,642,304.26	2.125	1.814	1,425	1,230	05/15/2023
3133ECGU2	5386	Federal Farm Credit Bank		06/20/2019	5,000,000.00	5,075,284.30	5,050,199.40	2.120	1.791	1,350	1,155	03/01/2023
3133EKSU7	5387	Federal Farm Credit Bank		06/26/2019	3,000,000.00	3,013,778.73	2,995,581.35	1.770	1.814	1,461	1,272	06/26/2023
3133EKTG1	5392	Federal Farm Credit Bank		07/01/2019	3,000,000.00	3,010,768.35	2,997,800.00	1.750	1.780	1,096	912	07/01/2022
3133EJWA3	5403	Federal Farm Credit Bank		09/27/2019	1,000,000.00	1,038,104.91	1,042,698.33	2.900	1.616	1,225	1,129	02/03/2023
3133ECHP2	5406	Federal Farm Credit Bank		09/27/2019	3,000,000.00	3,019,572.93	3,018,994.64	1.900	1.644	896	800	03/11/2022
3133EKPT7	5425	Federal Farm Credit Bank		11/22/2019	2,175,000.00	2,210,489.37	2,212,171.64	2.125	1.610	1,291	1,251	06/05/2023
3133ECPU2	5426	Federal Farm Credit Bank		12/11/2019	1,000,000.00	1,009,281.47	1,009,052.96	2.000	1.667	888	867	05/17/2022
3133ELEL4	5432	Federal Farm Credit Bank		12/19/2019	5,000,000.00	5,009,439.75	5,000,000.00	1.690	1.690	1,245	1,232	05/17/2022
3130AAQV3	5087	Federal Home Loan Bank		01/30/2017	3,500,000.00	3,500,611.21	3,500,000.00	1.670	1.670	1,186	120	04/30/2020
313379RB7	5131	Federal Home Loan Bank		08/23/2017	3,000,000.00	3,009,635.97	3,009,122.81	1.875	1.657	1,388	527	06/11/2021
313382K69	5132	Federal Home Loan Bank		08/23/2017	3,000,000.00	3,005,453.04	3,005,287.25	1.750	1.598	1,297	436	03/12/2021
313383HU8	5139	Federal Home Loan Bank		09/08/2017	3,000,000.00	3,000,841.95	3,004,450.99	1.750	1.410	1,008	163	06/12/2020
3130A0XD7	5210	Federal Home Loan Bank		05/17/2018	3,000,000.00	3,025,820.88	2,986,140.06	2.375	2.778	1,030	436	03/12/2021
313373ZV7	5211	Federal Home Loan Bank		05/17/2018	5,000,000.00	5,118,701.90	5,049,129.75	3.625	2.765	1,030	436	03/12/2021
3130AECJ7	5215	Federal Home Loan Bank		05/24/2018	5,000,000.00	5,019,542.20	5,000,686.27	2.625	2.590	735	148	05/28/2020
3130AEF54	5223	Federal Home Loan Bank		06/08/2018	5,000,000.00	5,022,695.00	5,000,000.00	3.100	3.100	1,826	1,254	06/08/2020
3130A1B80	5237	Federal Home Loan Bank		06/19/2018	4,620,000.00	4,724,645.45	4,602,811.67	2.625	2.804	1,361	800	03/11/2022
313378CR0	5241	Federal Home Loan Bank		06/21/2018	5,000,000.00	5,065,104.50	4,944,139.93	2.250	2.789	1,359	800	03/11/2022
313378CR0	5243	Federal Home Loan Bank		06/21/2018	5,000,000.00	5,065,104.50	4,945,109.74	2.250	2.780	1,359	800	03/11/2022
3133XPKG8	5244	Federal Home Loan Bank		06/21/2018	5,000,000.00	5,474,040.30	5,282,008.83	4.750	2.848	1,723	1,164	03/10/2023
3130AEWM8	5275	Federal Home Loan Bank		09/28/2018	3,000,000.00	3,018,847.32	3,000,000.00	3.000	3.000	1,461	1,001	09/28/2022
3130AFE78	5319	Federal Home Loan Bank		01/23/2019	3,000,000.00	3,118,969.74	3,024,941.82	3.000	2.699	1,416	1,073	12/09/2022
3130AFE78	5332	Federal Home Loan Bank		01/28/2019	3,000,000.00	3,118,969.74	3,026,172.38	3.000	2.684	1,411	1,073	12/09/2022
313383J4	5334	Federal Home Loan Bank		02/01/2019	2,000,000.00	2,121,817.60	2,056,310.61	3.375	2.560	1,680	1,346	09/08/2023
3130AFTK3	5336	Federal Home Loan Bank		02/06/2019	3,000,000.00	3,002,262.03	3,003,135.94	2.980	2.822	1,461	1,132	02/06/2023
3130AFE78	5336	Federal Home Loan Bank		02/04/2019	3,000,000.00	3,118,969.74	3,034,512.95	3.000	2.585	1,404	1,073	12/09/2022
3130AFW52	5342	Federal Home Loan Bank		02/26/2019	2,000,000.00	2,002,102.82	2,000,000.00	2.700	2.701	1,550	1,241	05/26/2023
313370US	5360	Federal Home Loan Bank		04/04/2019	2,000,000.00	2,014,521.30	2,006,437.14	2.875	2.400	526	254	09/11/2020
3130A3VC5	5374	Federal Home Loan Bank		05/24/2019	3,000,000.00	3,070,043.46	3,012,302.92	2.250	2.140	1,659	1,437	12/08/2023
3133834G3	5378	Federal Home Loan Bank		06/06/2019	3,000,000.00	3,048,562.26	3,018,042.37	2.125	1.942	1,464	1,255	06/09/2023
3130AAHE1	5390	Federal Home Loan Bank		06/24/2019	5,000,000.00	5,156,195.25	5,117,450.22	2.500	1.875	1,628	1,437	12/08/2023
3130AHJY0	5418	Federal Home Loan Bank		11/08/2019	3,000,000.00	3,003,616.44	2,995,241.94	1.625	1.711	742	688	11/19/2021
313378JP7	5421	Federal Home Loan Bank		11/21/2019	3,000,000.00	3,038,856.31	3,053,379.03	2.375	1.585	659	618	09/10/2021

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**Santa Clara Valley Water Dist.**  
**Portfolio Management**  
**Portfolio Details - Investments**  
**December 31, 2019**

CUSIP	Investment # - Coupon	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM 365	Term Maturity	Days to Maturity	Maturity Date
3133834G3	5423	Federal Home Loan Bank		11/22/2019	3,000,000.00	3,048,562.26	3,051,788.15	2.125	1.607	1,295	1,255	06/09/2023
3133834G3	5424	Federal Home Loan Bank		11/22/2019	3,240,000.00	3,292,447.24	3,295,433.24	2.125	1.611	1,295	1,255	06/09/2023
3133834G3	5427	Federal Home Loan Bank		12/11/2019	1,000,000.00	1,016,187.42	1,015,017.36	2.125	1.677	1,276	1,255	06/09/2023
3130A8H48	5024	Federal Home Loan Bank-CN		07/01/2016	5,000,000.00	4,987,506.45	5,000,000.00	1.150	1.150	1,461	182	07/01/2020
3130A9V32	5062	Federal Home Loan Bank-CN		11/15/2016	5,000,000.00	5,035,920.30	5,000,000.00	2.000	1.715	1,826	684	11/15/2021
3130ABEC6	5102	Federal Home Loan Bank-CN		05/26/2017	2,000,000.00	1,999,795.06	2,000,000.00	1.600	1.600	1,096	146	05/26/2020
3130ABEC6	5103	Federal Home Loan Bank-CN		05/26/2017	3,000,000.00	2,999,692.59	3,000,000.00	1.600	1.600	1,096	146	05/26/2020
3130ABPV2	5122	Federal Home Loan Bank-CN		07/14/2017	2,000,000.00	2,001,038.80	1,999,415.02	1.690	1.751	1,081	180	06/29/2020
313378J77	5123	Federal Home Loan Bank-CN		07/14/2017	3,000,000.00	3,001,254.60	3,002,578.20	1.875	1.500	973	72	03/13/2020
313378J77	5144	Federal Home Loan Bank-CN		09/13/2017	3,000,000.00	3,001,254.60	3,001,622.45	1.875	1.436	912	72	03/13/2020
313378J77	5147	Federal Home Loan Bank-CN		10/03/2017	3,000,000.00	3,001,254.60	3,001,622.45	1.875	1.598	892	72	03/13/2020
3130A5P86	5169	Federal Home Loan Bank-CN		12/26/2017	2,500,000.00	2,501,093.48	2,498,908.24	1.800	1.981	825	89	03/30/2020
3133714H6	5171	Federal Home Loan Bank-CN		12/26/2017	1,000,000.00	1,002,724.36	1,002,120.11	3.000	1.981	813	77	03/18/2020
3130ACN83	5179	Federal Home Loan Bank-CN		12/29/2017	5,000,000.00	5,001,623.55	4,994,520.25	1.700	2.002	868	135	05/15/2020
3130AD4X7	5183	Federal Home Loan Bank-CN		01/19/2018	5,000,000.00	5,011,240.05	4,991,793.67	2.000	2.180	1,057	345	12/11/2020
3130ADUJ9	5214	Federal Home Loan Bank-CN		05/24/2018	5,000,000.00	5,009,534.90	4,998,243.66	2.375	2.520	676	89	03/30/2020
3130A7TX3	5296	Federal Home Loan Bank-CN		12/14/2018	3,000,000.00	2,997,514.68	2,937,337.22	1.940	2.890	1,230	847	04/27/2022
3134GBV82	5153	Federal Home Loan Mortgage Cor		10/30/2017	3,000,000.00	3,000,018.45	3,000,000.00	2.000	2.000	1,369	576	07/30/2021
3134GSMU6	5217	Federal Home Loan Mortgage Cor		06/15/2018	5,000,000.00	5,022,154.20	5,000,000.00	3.000	3.000	1,461	896	06/15/2022
3134GSS63	5321	Federal Home Loan Mortgage Cor		01/30/2019	3,000,000.00	3,001,687.08	3,000,000.00	2.800	2.800	1,461	1,125	01/30/2023
3134GS6X8	5351	Federal Home Loan Mortgage Cor		03/27/2019	5,000,000.00	5,009,658.80	5,000,000.00	2.800	2.800	1,827	1,547	03/27/2024
3134GTPH0	5373	Federal Home Loan Mortgage Cor		05/28/2019	5,000,000.00	5,009,198.60	5,000,000.00	2.400	2.400	1,280	1,062	11/28/2022
3134GTYL1	5394	Federal Home Loan Mortgage Cor		06/28/2019	5,000,000.00	5,006,667.35	5,000,000.00	2.250	2.250	1,825	1,638	06/28/2024
3134GUPU8	5419	Federal Home Loan Mortgage Cor		11/12/2019	3,000,000.00	2,988,527.34	2,994,037.00	1.750	1.800	1,641	1,591	05/10/2024
3134GBHM7	5422	Federal Home Loan Mortgage Cor		11/22/2019	2,000,000.00	2,045,879.56	2,049,544.62	2.625	1.613	887	847	04/27/2022
3134GUV2	5428	Federal Home Loan Mortgage Cor		12/11/2019	3,000,000.00	3,000,215.46	3,002,018.33	1.730	1.729	898	877	05/27/2022
3134GUC32	5431	Federal Home Loan Mortgage Cor		12/19/2019	3,000,000.00	2,996,701.77	3,000,000.00	2.000	2.000	1,644	1,631	06/19/2024
3137EAFF2	5119	Fed Home Loan Mort Corp-CN		06/30/2017	5,000,000.00	4,996,000.00	4,997,516.74	1.375	1.543	1,025	110	04/20/2020
3137EAFF2	5120	Fed Home Loan Mort Corp-CN		06/30/2017	3,000,000.00	2,997,600.00	2,998,695.52	1.375	1.523	1,025	110	04/20/2020
3137EADR7	5145	Fed Home Loan Mort Corp-CN		09/13/2017	3,000,000.00	2,997,232.50	2,999,460.76	1.375	1.430	961	121	05/01/2020
3135G0A78	5180	FNMA Discount Note		01/18/2018	5,000,000.00	5,000,135.25	4,998,824.34	1.625	2.059	733	20	01/21/2020
3135G0T29	5138	Fed Natl Mortgage Assoc		09/08/2017	3,000,000.00	2,999,419.95	3,000,534.13	1.500	1.385	903	58	02/28/2020
3135G0T29	5181	Fed Natl Mortgage Assoc		01/18/2018	5,000,000.00	4,999,033.25	4,995,770.00	1.500	2.048	771	58	02/28/2020
3135G0T29	5182	Fed Natl Mortgage Assoc		01/19/2018	5,000,000.00	4,999,033.25	4,995,648.02	1.500	2.064	770	58	02/28/2020
3135G0U27	5276	Fed Natl Mortgage Assoc		09/21/2018	5,000,000.00	5,058,314.95	4,975,409.27	2.500	2.900	935	468	04/13/2021
3135G0T45	5299	Fed Natl Mortgage Assoc		12/18/2018	3,000,000.00	3,019,329.84	2,944,658.97	1.875	2.733	1,204	825	04/05/2022

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**Santa Clara Valley Water Dist.**  
**Portfolio Management**  
**Portfolio Details - Investments**  
**December 31, 2019**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM	Term	Days to Maturity	Maturity Date
<b>Federal Agency Issues - Coupon</b>												
3135G0U35	5312	Fed Natl Mortgage Assoc		12/24/2018	3,000,000.00	3,050,735.49	3,003,991.37	2.750	2.656	911	538	06/22/2021
3136G02F7	5326	Fed Natl Mortgage Assoc		01/25/2019	2,173,000.00	2,172,065.33	2,144,593.81	1.600	2.603	833	492	05/07/2021
3135G0T45	5391	Fed Natl Mortgage Assoc		06/24/2019	5,000,000.00	5,032,216.40	5,007,532.71	1.875	1.806	1,016	825	04/05/2022
3136G03S8	5420	Fed Natl Mortgage Assoc		11/21/2019	1,000,000.00	1,000,139.24	1,001,074.64	1.650	1.594	540	489	05/14/2021
3135G0V34	5429	Fed Natl Mortgage Assoc		12/11/2019	5,000,000.00	5,154,683.20	5,201,184.12	2.500	1.700	1,517	1,496	02/05/2024
3135G0F73	4963	FNMA Discount Notes		11/30/2015	3,000,000.00	2,998,955.37	2,990,332.34	1.500	1.871	1,827	334	11/30/2020
3135G0P72	5174	FNMA Discount Notes		12/29/2017	1,100,000.00	1,098,509.83	1,098,229.11	1.375	2.044	822	89	03/30/2020
3136G3U94	5325	FNMA Discount Notes		01/25/2019	1,000,000.00	997,074.43	983,764.00	1.400	2.603	851	510	05/25/2021
3135G0U43	5341	FNMA Discount Notes		02/12/2019	3,000,000.00	3,131,571.33	3,034,170.40	2.875	2.546	1,673	1,350	09/12/2023
880591EN8	5344	Tennessee Valley Authority		02/28/2019	4,473,000.00	4,491,082.10	4,396,564.74	1.875	2.560	1,264	957	08/15/2022
<b>Subtotal and Average</b>					<b>368,199,000.00</b>	<b>372,163,252.49</b>	<b>369,366,882.86</b>		<b>2.148</b>	<b>1,210</b>	<b>714</b>	

<b>Negotiable CD's - Interest Bearing</b>												
33715LBT6	5260	First Tech Fed Credit Union		07/16/2018	240,000.00	246,823.84	240,000.00	3.250	3.253	1,463	929	07/18/2022
520320337BV9	5233	First General Bank		06/06/2018	240,000.00	241,023.36	240,000.00	2.300	2.300	814	240	08/28/2020
33616CBL3	5272	First Republic Bank		08/31/2018	240,000.00	241,820.16	240,000.00	2.800	2.800	728	240	08/28/2020
624786CU1	5250	MUFG Union Bank NA		07/03/2018	240,000.00	241,219.68	240,000.00	2.650	2.650	734	187	07/06/2020
866264DD3	5338	Summit State Bank		02/15/2019	240,000.00	240,588.00	240,000.00	2.500	2.495	425	105	04/15/2020
<b>Subtotal and Average</b>					<b>1,200,000.00</b>	<b>1,213,475.04</b>	<b>1,200,000.00</b>		<b>2.699</b>	<b>833</b>	<b>340</b>	

<b>LAIF</b>												
SYS88-0237LAIF	88-0237LAIF	Local Agency Investment Fund		07/16/2018	62,451,217.78	62,451,217.78	62,451,217.78	2.450	2.450	1	1	
<b>Subtotal and Average</b>					<b>62,451,217.78</b>	<b>62,451,217.78</b>	<b>62,451,217.78</b>		<b>2.450</b>	<b>1</b>	<b>1</b>	

<b>Medium Term Notes</b>												
037833DE7	5202	Apple Inc		05/03/2018	3,000,000.00	3,049,826.19	2,933,627.08	2.400	2.819	1,716	1,108	01/13/2023
037833BS8	5213	Apple Inc		05/18/2018	2,000,000.00	2,011,903.04	1,986,319.12	2.250	2.875	1,012	419	02/23/2021
478160CD4	5265	Johnson & Johnson		08/30/2018	3,000,000.00	3,033,154.26	2,960,658.53	2.250	2.889	1,281	792	03/03/2022
478160BT0	5350	Johnson & Johnson		03/05/2019	2,000,000.00	2,012,227.00	1,961,386.07	2.050	2.697	1,457	1,155	03/01/2023
594918AH7	5075	Microsoft Corp		01/09/2017	3,000,000.00	3,028,744.92	3,022,935.92	3.000	1.938	1,361	274	10/01/2020
594918BH6	5203	Microsoft Corp		05/03/2018	2,000,000.00	2,048,311.48	1,979,395.98	2.650	3.041	1,645	1,037	11/03/2022
742651DR0	5367	Private Export Funding Corp		04/09/2019	3,003,000.00	3,026,500.58	2,973,241.77	2.050	2.412	1,317	1,049	11/15/2022
<b>Subtotal and Average</b>					<b>18,003,000.00</b>	<b>18,210,667.47</b>	<b>17,817,564.47</b>		<b>2.631</b>	<b>1,402</b>	<b>825</b>	

**Santa Clara Valley Water Dist.**  
**Portfolio Management**  
**Portfolio Details - Investments**  
**December 31, 2019**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM 365	Term	Days to Maturity	Maturity Date
<b>Money Market Account</b>												
23380W523	4102	Daily Income US Gov MMM			40,244,123.36	40,244,123.36	40,244,123.36	0.050	0.050	1	1	
		<b>Subtotal and Average</b>	<b>39,149,957.95</b>		<b>40,244,123.36</b>	<b>40,244,123.36</b>			<b>0.050</b>	<b>1</b>	<b>1</b>	
<b>TimeCD_Deposit Account</b>												
SYS5317	5317	Alliance Credit Union			245,718.79	245,718.79	245,718.79	2.470	2.470	1	1	
SYS5311	5311	Bank of San Francisco			245,522.01	245,522.01	245,522.01	2.250	2.250	1	1	
SYS5309	5309	Community Bank of the Bay			247,683.07	247,683.07	247,683.07	2.704	2.704	1	1	
SYS5371	5371	Community Bank of the Bay			5,075,702.65	5,075,702.65	5,075,702.65	2.440	2.440	1	1	
SYS4912	4912	Deposit Account		07/01/2019	0.00	0.00	0.00	0.005	0.005	1	1	
SYS5395	5395	Meriwest Credit Union		07/11/2019	242,841.43	242,841.43	242,841.43	2.500	2.500	1	1	
SYS5398	5398	Meriwest Credit Union		08/16/2019	5,046,891.21	5,046,891.21	5,046,891.21	2.500	2.500	1	1	
SYS5397	5397	Provident Credit Union		07/26/2019	242,691.49	242,691.49	242,691.49	2.610	2.610	1	1	
SYS5310	5310	Technology Credit Union			248,120.70	248,120.70	248,120.70	2.776	2.776	1	1	
SYS5369	5369	Technology Credit Union			15,164,384.34	15,164,384.34	15,164,384.34	2.150	2.150	1	1	
		<b>Subtotal and Average</b>	<b>22,041,115.24</b>		<b>26,759,555.69</b>	<b>26,759,555.69</b>			<b>2.293</b>	<b>1</b>	<b>1</b>	
<b>Supranational</b>												
4581X0DB1	5208	Inter-American Dev't Bank		05/15/2018	2,000,000.00	2,024,128.94	1,996,021.56	2.625	2.785	1,070	474	04/19/2021
4581X0CD8	5187	INTERAMERI DEV		01/30/2018	3,000,000.00	3,010,008.54	2,994,912.91	2.125	2.330	1,014	313	11/09/2020
459058FH1	5209	INTL BK RECON & DEVELOP		05/15/2018	2,000,000.00	1,992,387.94	1,961,967.84	1.376	2.805	1,105	509	05/24/2021
459058GL1	5290	INTL BK RECON & DEVELOP		12/03/2018	3,000,000.00	3,140,686.65	3,004,610.87	3.000	2.955	1,759	1,365	09/27/2023
45950KCL2	5111	INTL FINANCE CORP		05/26/2017	3,000,000.00	2,999,949.78	3,001,619.21	1.750	1.526	1,039	89	03/30/2020
45950VLP9	5193	INTL FINANCE CORP		03/15/2018	2,000,000.00	2,001,745.36	2,000,000.00	2.500	2.500	1,826	1,169	03/15/2023
		<b>Subtotal and Average</b>	<b>14,958,024.30</b>		<b>15,168,907.21</b>	<b>14,959,132.39</b>			<b>2.440</b>	<b>1,297</b>	<b>641</b>	
<b>Municipal Bonds</b>												
010878AN6	5198	County of Alameda		03/29/2018	2,305,000.00	2,432,282.10	2,370,078.03	4.000	2.832	1,586	943	08/01/2022
127109QA7	5402	Cabrillo Comnt		10/08/2019	1,230,000.00	1,225,916.40	1,230,000.00	2.034	2.034	1,759	1,674	08/01/2024
13066YTY5	5054	CA Department Water Resources		09/28/2016	2,834,051.43	2,832,917.81	2,834,051.43	1.713	1.713	1,676	486	05/01/2021
13066YTZ2	5263	CA Department Water Resources		08/13/2018	2,000,000.00	2,010,900.00	1,960,687.00	2.000	2.894	1,357	851	05/01/2022
544351MNB	5246	City of Los Angeles CA		07/12/2018	2,500,000.00	2,554,025.00	2,500,000.00	2.900	2.899	1,512	974	09/01/2022
544351MNB	5247	City of Los Angeles CA		07/12/2018	2,500,000.00	2,554,025.00	2,500,000.00	2.900	2.899	1,512	974	09/01/2022
702274CN9	5285	City of Pasadena		12/06/2018	1,055,000.00	1,095,332.65	1,055,000.00	3.338	3.338	1,456	1,065	12/01/2022
702274CM1	5286	City of Pasadena		12/06/2018	500,000.00	512,660.00	500,000.00	3.235	3.235	1,091	700	12/01/2021
368079HR3	5362	Gavilan Joint Community CLG-A1		04/18/2019	2,000,000.00	2,023,360.00	2,000,000.00	2.450	2.449	836	578	08/01/2021
368079HS1	5363	Gavilan Joint Community CLG-A1		04/18/2019	500,000.00	508,925.00	500,000.00	2.520	2.519	1,201	943	08/01/2022

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**Santa Clara Valley Water Dist.  
Portfolio Management  
Portfolio Details - Investments  
December 31, 2019**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM 365	Term Maturity	Days to Maturity	Maturity Date
<b>Municipal Bonds</b>												
368079HT9	5364	Gavilan Joint Community CLG-A1		04/18/2019	400,000.00	409,572.00	400,000.00	2.620	2.619	1,566	1,308	08/01/2023
376087FY3	5414	Gilroy USD		10/31/2019	600,000.00	595,428.00	600,000.00	1.793	1.793	1,370	1,308	08/01/2023
376087FZ0	5415	Gilroy USD		10/31/2019	550,000.00	543,136.00	550,000.00	1.833	1.833	1,736	1,674	08/01/2024
54465AGP1	5368	LA County Redev Agency		04/22/2019	1,750,000.00	1,741,530.00	1,720,952.01	2.000	2.480	1,593	1,339	09/01/2023
544290JB6	5407	Los Altos School District		10/17/2019	1,750,000.00	1,749,037.50	1,750,000.00	1.896	1.896	1,019	943	08/01/2022
544290JC4	5408	Los Altos School District		10/17/2019	1,500,000.00	1,495,800.00	1,500,000.00	2.143	2.143	1,384	1,308	08/01/2023
542411NJ8	5413	Long Beach Community College		10/23/2019	2,500,000.00	2,480,175.00	2,500,000.00	1.803	1.803	1,744	1,674	08/01/2024
56781RJG3	5329	Marin CCD GO-B1		02/07/2019	600,000.00	621,084.00	600,000.00	2.895	2.895	1,636	1,308	08/01/2023
56781RJF5	5330	Marin CCD GO-B1		02/07/2019	500,000.00	512,985.00	500,000.00	2.813	2.813	1,271	943	08/01/2022
56781RGP6	5349	Marin CCD GO-B1		03/04/2019	2,080,000.00	2,121,121.60	2,078,234.29	2.566	2.600	1,246	943	08/01/2022
677765GV5	5401	Ohlone Community College		09/26/2019	2,000,000.00	1,974,260.00	2,000,000.00	1.814	1.814	1,771	1,674	08/01/2024
799308QJ7	5417	San Rafael CA Elem Sch Dist		11/13/2019	1,000,000.00	997,260.00	1,000,000.00	1.865	1.865	1,357	1,308	08/01/2023
796815ZG6	5393	San Bernardino County		07/02/2019	5,000,000.00	5,015,450.00	5,000,000.00	2.050	2.050	1,187	1,004	10/01/2022
801548PE6	5156	Cnty Santa Clara		11/09/2017	3,000,000.00	3,006,420.00	3,003,977.60	2.125	1.890	996	213	08/01/2020
501577NR4	5388	SC County Financing Auth		06/27/2019	2,000,000.00	2,003,920.00	2,002,746.99	2.050	1.944	674	486	05/01/2021
7976465A0	5343	San Francisco City & County CA		02/26/2019	455,000.00	464,445.80	455,000.00	2.623	2.622	1,205	896	06/15/2022
797669XJ7	5294	SF Bay Area Rapid Transit Dist		12/10/2018	1,385,000.00	1,398,850.00	1,374,475.80	2.387	2.916	934	547	07/01/2021
79765R3U1	5184	San Fran CY&Cnty CA PUC WTR		12/28/2017	1,000,000.00	1,022,840.00	1,000,000.00	2.619	2.619	1,769	1,035	11/01/2022
79765R3S6	5187	San Fran CY&Cnty CA PUC WTR		12/28/2017	100,000.00	100,403.00	100,000.00	2.298	2.292	1,039	305	11/01/2020
79765R3U1	5331	San Fran CY&Cnty CA PUC WTR		01/29/2019	875,000.00	894,985.00	868,728.74	2.619	2.887	1,372	1,035	11/01/2022
798170AE6	5189	San Jose Redevelopment Ag		02/26/2018	3,000,000.00	3,058,800.00	2,985,499.00	2.630	2.830	1,617	943	08/01/2022
798170AE6	5190	San Jose Redevelopment Ag		02/28/2018	2,000,000.00	2,039,200.00	1,992,737.48	2.630	2.780	1,615	943	08/01/2022
798189PC4	5219	San Jose Evergreen		06/05/2018	285,000.00	287,248.65	285,000.00	2.827	2.828	819	244	09/01/2020
798189PD2	5220	San Jose Evergreen		06/05/2018	230,000.00	242,348.70	237,068.06	5.000	3.051	1,184	609	09/01/2021
798189PE0	5221	San Jose Evergreen		06/05/2018	130,000.00	140,862.80	135,720.68	5.000	3.223	1,549	974	09/01/2022
802498UG8	5411	Santa Monica-Malibu USD		11/06/2019	650,000.00	643,838.00	650,000.00	1.669	1.669	1,364	1,308	08/01/2023
802498UH6	5412	Santa Monica-Malibu USD		11/06/2019	500,000.00	492,795.00	500,000.00	1.719	1.719	1,730	1,674	08/01/2024
835568GR9	5416	Sonoma County CA Jnr Cig Dist		11/12/2019	1,000,000.00	995,680.00	1,000,000.00	2.061	2.061	1,724	1,674	08/01/2024
91412HEW9	5352	University of California		03/19/2019	250,000.00	254,827.50	250,000.00	2.608	2.607	1,153	865	05/15/2022
91412HEX7	5353	University of California		03/19/2019	600,000.00	615,600.00	600,000.00	2.657	2.657	1,518	1,230	05/15/2023
91412GF5	5365	University of California		05/15/2019	500,000.00	519,580.00	506,217.30	2.900	2.595	1,827	1,596	05/15/2024
91412GWX9	5366	University of California		04/09/2019	1,000,000.00	1,010,180.00	1,002,332.78	2.526	2.350	767	500	05/15/2021
91412GQE8	5370	University of California		05/01/2019	1,565,000.00	1,610,416.30	1,576,956.10	2.750	2.510	1,475	1,230	05/15/2023
91412GDD0	5399	University of California		08/21/2019	500,000.00	509,215.00	510,267.09	2.570	1.680	998	865	05/15/2022
91412GUZ6	5400	University of California		09/04/2019	265,000.00	274,206.10	275,017.31	3.338	1.700	984	865	05/15/2022
923040GU7	5409	Ventura Cnty Comm College Dist		10/31/2019	1,000,000.00	989,110.00	1,000,000.00	1.800	1.800	1,736	1,674	08/01/2024

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**Santa Clara Valley Water Dist.  
Portfolio Management  
Portfolio Details - Investments  
December 31, 2019**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM 365	Term Maturity	Days to Maturity	Maturity Date
<b>Municipal Bonds</b>												
923040GT0	5410	Ventura Cnty Comm College Dist		10/31/2019	1,250,000.00	1,241,200.00	1,250,000.00	1.750	1.750	1,370	1,308	08/01/2023
93974DSQ7	5279	Washington State GO Bond		10/01/2018	2,000,000.00	2,085,240.00	1,993,016.21	3.030	3.136	1,765	1,308	08/01/2023
		<b>Subtotal and Average</b>	<b>63,204,177.74</b>		<b>63,194,051.43</b>	<b>63,889,394.91</b>	<b>63,203,763.90</b>		<b>2.370</b>	<b>1,394</b>	<b>1,020</b>	
		<b>Total and Average</b>	<b>622,135,640.12</b>		<b>618,050,948.26</b>	<b>623,240,034.95</b>	<b>619,009,294.81</b>		<b>2.089</b>	<b>976</b>	<b>596</b>	



**Santa Clara Valley Water Dist.  
 Portfolio Management  
 Portfolio Details - Cash  
 December 31, 2019**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM	Term	Days to Maturity
		Average Balance	0.00							0	0
		Total Cash and Investments	622,135,640.12		618,050,948.26	623,240,034.95	619,009,294.81		2.089	976	596



SANTA CLARA VALLEY WATER  
 5750 Almaden Expressway  
 San Jose, San Jose, Ca 951  
 (408)265-2607

**Santa Clara Valley Water Dist.**  
**Transaction Activity Report**  
**October 1, 2019 - December 31, 2019**  
**Sorted by Transaction Date - Transaction Date**  
**All Funds**

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
4102	82	23380W523	Money Market Fund	Purchase	10/01/2019			46,314.64			-46,314.64
4102	82	23380W523	Money Market Fund	Purchase	10/01/2019			25,340.28			-25,340.28
4102	82	23380W523	Money Market Fund	Purchase	10/01/2019			45,000.00			-45,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/01/2019			7,050,000.00			-7,050,000.00
5075	82	594918AH7	MSFT 3. % MAT	Interest	10/01/2019	10/01/2020				45,000.00	45,000.00
5393	82	796815ZG6	San Bernardino Cnty	Interest	10/01/2019	10/01/2022				25,340.28	25,340.28
4102	82	23380W523	Money Market Fund	Interest	10/01/2019					46,314.64	46,314.64
<b>Totals for 10/01/2019</b>								<b>7,166,654.92</b>		<b>116,854.92</b>	<b>-7,050,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	10/02/2019			468.82			-468.82
4102	82	23380W523	Money Market Fund	Redemption	10/02/2019				7,250,000.00		7,250,000.00
5233	82	320337BV9	FIGBCA 2.3% MAT	Interest	10/02/2019	08/28/2020				468.82	468.82
<b>Totals for 10/02/2019</b>								<b>468.82</b>	<b>7,250,000.00</b>	<b>468.82</b>	<b>7,250,000.00</b>
82	82	23380W523	Money Market Fund	Redemption	10/03/2019				8,200,000.00		8,200,000.00
<b>Totals for 10/03/2019</b>									<b>8,200,000.00</b>		<b>8,200,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	10/04/2019			11,350,000.00			-11,350,000.00
<b>Totals for 10/04/2019</b>								<b>11,350,000.00</b>			<b>-11,350,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	10/07/2019			75,000.00			-75,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/07/2019				900,000.00		900,000.00
5299	82	3135G0T45	FEDERAL NATL	Interest	10/07/2019	04/06/2022				28,125.00	28,125.00
5391	82	3135G0T45	FEDERAL NATL	Interest	10/07/2019	04/05/2022				46,875.00	46,875.00
5391	82	3135G0T45	FEDERAL NATL	Accr Int	10/07/2019	04/05/2022			20,572.92	-20,572.92	0.00
<b>Totals for 10/07/2019</b>								<b>75,000.00</b>	<b>920,572.92</b>	<b>54,427.08</b>	<b>900,000.00</b>
5402	82	127109QA7	CABRIL 100. % MAT	Purchase	10/08/2019	08/01/2024		1,230,000.00			-1,230,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/08/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/08/2019			39,375.00			-39,375.00
5359	82	3134GTFZ1	FEDERAL HOME	Redemption	10/08/2019	04/08/2024	Call		3,000,000.00		3,000,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/08/2019				1,230,000.00		1,230,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/08/2019				3,750,000.00		3,750,000.00
5359	82	3134GTFZ1	FEDERAL HOME	Interest	10/08/2019	04/08/2024				39,375.00	39,375.00
<b>Totals for 10/08/2019</b>								<b>4,269,375.00</b>	<b>7,980,000.00</b>	<b>39,375.00</b>	<b>3,750,000.00</b>
4102	82	23380W523	Money Market Fund	Redemption	10/10/2019				350,000.00		350,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/10/2019				3,750,000.00		3,750,000.00

Investment #	Fund	CUSIP	Inv Descr	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
4102	82	23380W523	Money Market Fund	Redemption	10/11/2019			4,100,000.00			4,100,000.00
<b>Totals for 10/10/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/15/2019			493.15			-493.15
4102	82	23380W523	Money Market Fund	Purchase	10/15/2019			62,500.00			-62,500.00
88-0237LAIF	82	SY368-0237LAIF	LAIF 4.958%	Purchase	10/15/2019			342,626.20			-342,626.20
4102	82	23380W523	Money Market Fund	Redemption	10/15/2019			1,100,000.00			1,100,000.00
5276	82	3135G0U27	FEDERAL NATL	Interest	04/13/2021					62,500.00	62,500.00
5338	82	866264DD3	SUMMIT 2.5% MAT	Interest	04/15/2020					493.15	493.15
88-0237LAIF	82	SY368-0237LAIF	LAIF 4.958%	Interest	10/15/2019					342,626.20	342,626.20
<b>Totals for 10/15/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/16/2019			641.10			-641.10
4102	82	23380W523	Money Market Fund	Redemption	10/16/2019			1,900,000.00			1,900,000.00
5260	82	33715LBT6	1STTCH 3.25% MAT	Interest	07/18/2022					641.10	641.10
<b>Totals for 10/16/2019</b>											
5407	82	544290JB6	LACD 1.895% MAT	Purchase	10/17/2019			1,750,000.00			-1,750,000.00
5408	82	544290JC4	LOS ALTOS CALIF	Purchase	10/17/2019			1,500,000.00			-1,500,000.00
5409	82	23380W523	Money Market Fund	Purchase	10/17/2019			2,000,000.00			-2,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/17/2019			26,250.00			-26,250.00
4102	82	23380W523	Money Market Fund	Purchase	10/17/2019			850,000.00			-850,000.00
5361	82	3134GTCP6	FEDERAL HOME	Redemption	10/17/2019		Call	2,000,000.00			2,000,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/17/2019			1,500,000.00			1,500,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/17/2019			1,750,000.00			1,750,000.00
5361	82	3134GTCP6	FEDERAL HOME	Interest	10/17/2019					26,250.00	26,250.00
<b>Totals for 10/17/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/18/2019			380,000.00			-380,000.00
<b>Totals for 10/18/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/21/2019			26,250.00			-26,250.00
4102	82	23380W523	Money Market Fund	Purchase	10/21/2019			55,000.00			-55,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/21/2019			350,000.00			-350,000.00
5119	82	3137EAEF2	FIMAC-C 1.375%	Interest	04/20/2020					34,375.00	34,375.00
5120	82	3137EAEF2	FIMAC-C 1.375%	Interest	04/20/2020					20,625.00	20,625.00
5208	82	4681X0DB1	IABD 2.625% MAT	Interest	04/19/2021					26,250.00	26,250.00
<b>Totals for 10/21/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/22/2019			347.67			-347.67
4102	82	23380W523	Money Market Fund	Redemption	10/22/2019			2,350,000.00			2,350,000.00
5161	82	410493CN8	HANMI 1.8% MAT	Interest	11/22/2019					347.67	347.67

Santa Clara Valley Water Dist.  
Transaction Activity Report  
Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
<b>Totals for 10/22/2019</b>											
5413	82	542411NJ8	LONHGR 1.803%	Purchase	10/23/2019	08/01/2024		347.67	2,350,000.00	347.67	2,350,000.00
4102	82	23380W623	Money Market Fund	Purchase	10/23/2019			2,500,000.00			-2,500,000.00
4102	82	23380W623	Money Market Fund	Redemption	10/23/2019			4,050,000.00	2,500,000.00		-4,050,000.00
<b>Totals for 10/23/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/24/2019			6,550,000.00	2,500,000.00		2,500,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/24/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/24/2019			328.36			-328.36
4102	82	23380W523	Money Market Fund	Purchase	10/24/2019			33,000.00			-33,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/24/2019			30,000.00			-30,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/24/2019			6,000,000.00			-6,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/24/2019			6,500,000.00			-6,500,000.00
5077	82	3135G0R39	FNMA 1.1% MAT	Redemption	10/24/2019	10/24/2019	Maturity	3,000,000.00			3,000,000.00
5082	82	3135G0R39	FNMA 1.1% MAT	Redemption	10/24/2019	10/24/2019	Maturity	3,000,000.00			3,000,000.00
5148	82	3130ACKG8	FHLB-C 2.2% MAT	Redemption	10/24/2019	10/24/2022	Call	3,000,000.00			3,000,000.00
5077	82	3135G0R39	FNMA 1.1% MAT	Interest	10/24/2019	10/24/2019				15,000.00	15,000.00
5082	82	3135G0R39	FNMA 1.1% MAT	Interest	10/24/2019	10/24/2019				15,000.00	15,000.00
5148	82	3130ACKG8	FHLB-C 2.2% MAT	Interest	10/24/2019	10/24/2022				33,000.00	33,000.00
5060	82	69406PCQ0	PCB 1.7% MAT	Interest	10/24/2019	11/25/2019				328.36	328.36
<b>Totals for 10/24/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/25/2019			30,450.00			-30,450.00
88-0237LAIF	82	SYS88-0237LAIF	LAIF 4.958%	Purchase	10/25/2019			5,000,000.00			-5,000,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/25/2019			3,150,000.00	3,150,000.00		3,150,000.00
5101	82	3133EHG56	FFCB 2.03% MAT	Interest	10/25/2019	04/25/2022				30,450.00	30,450.00
<b>Totals for 10/25/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/28/2019			63,000.00			-63,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/28/2019			29,100.00			-29,100.00
4102	82	23380W523	Money Market Fund	Redemption	10/28/2019			50,000.00	50,000.00		50,000.00
5249	82	3133EJTB5	FEDERAL FARM CR	Interest	10/28/2019	04/27/2022				63,000.00	63,000.00
5296	82	3130A7TX3	FEDERAL HOME	Interest	10/28/2019	04/27/2022				29,100.00	29,100.00
<b>Totals for 10/28/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/29/2019			92,100.00	50,000.00	92,100.00	50,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/29/2019			453.70	2,900,000.00		-453.70
5233	82	32037BV9	FIGBCA 2.3% MAT	Interest	10/29/2019	08/28/2020				453.70	453.70
<b>Totals for 10/29/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	10/30/2019			6,000,000.00			-6,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	10/30/2019			105,000.00			-105,000.00
5323	82	3130AFAP2	FEDERAL HOME	Redemption	10/30/2019	10/30/2023	Call	3,019,500.00	3,019,500.00		3,019,500.00
5323	82	3130AFAP2	FEDERAL HOME	Cap G/L	10/30/2019	10/30/2023		-19,500.00	-19,500.00		-19,500.00

Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
5340	82	3130AFAP2	FEDERAL HOME	Redemption	10/30/2019	10/30/2023	Call		3,022,500.00		3,022,500.00
5340	82	3130AFAP2	FEDERAL HOME	Cap G/L	10/30/2019	10/30/2023			-22,500.00		-22,500.00
4102	82	23380W523	Money Market Fund	Redemption	10/30/2019				2,850,000.00		2,850,000.00
5323	82	3130AFAP2	FEDERAL HOME	Interest	10/30/2019	10/30/2023				52,500.00	52,500.00
5340	82	3130AFAP2	FEDERAL HOME	Interest	10/30/2019	10/30/2023				52,500.00	52,500.00
<b>Totals for 10/30/2019</b>											
5414	82	376087FY3	GILSCD 1.793%	Purchase	10/31/2019	08/01/2023		600,000.00			-600,000.00
5415	82	376087FZ0	GILROY CALIF UNI	Purchase	10/31/2019	08/01/2024		550,000.00			-550,000.00
5409	82	923040GU7	VENTUR 100%	Purchase	10/31/2019	08/01/2024		1,000,000.00			-1,000,000.00
5410	82	923040GT0	VENT C 1.75% MAT	Purchase	10/31/2019	08/01/2023		1,250,000.00			-1,250,000.00
88-0237LAIF	82	SY588-0237LAIF	LAI 4.958%	Purchase	10/31/2019			3,500,000.00			-3,500,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/31/2019			1,000,000.00			1,000,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/31/2019			1,250,000.00			1,250,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/31/2019			600,000.00			600,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/31/2019			550,000.00			550,000.00
4102	82	23380W523	Money Market Fund	Redemption	10/31/2019			100,000.00			100,000.00
<b>Totals for 10/31/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			33,000.00			-33,000.00
2102	82	23380W523	Money Market Fund	Purchase	11/01/2019			20,625.00			-20,625.00
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			20,000.00			-20,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			4,264.00			-4,264.00
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			1,149.00			-1,149.00
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			24,553.13			-24,553.13
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			14,122.22			-14,122.22
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			25,695.00			-25,695.00
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			400,000.00			-400,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/01/2019			46,779.93			-46,779.93
5165	82	79765R3R8	SFOWTR 2.132%	Redemption	11/01/2019	11/01/2019	Maturity		400,000.00		400,000.00
4102	82	23380W523	Money Market Fund	Redemption	11/01/2019			600,000.00			600,000.00
5145	82	3137EADR7	FMAC-C 1.375%	Interest	11/01/2019	05/01/2020				20,625.00	20,625.00
5164	82	79765R3U1	SFOWTR 2.619%	Interest	11/01/2019	11/01/2022				13,095.00	13,095.00
5165	82	79765R3R8	SFOWTR 2.132%	Interest	11/01/2019	11/01/2019				4,264.00	4,264.00
5167	82	79765R3S6	SFOWTR 2.298%	Interest	11/01/2019	11/01/2020				1,149.00	1,149.00
5263	82	13066YZZ2	CALIFORNIA ST	Interest	11/01/2019	05/01/2022				20,000.00	20,000.00
5331	82	79765R3U1	SFOWTR 2.619%	Interest	11/01/2019	11/01/2022				11,458.13	11,458.13
5382	82	3133EHN25	FEDERAL FARM CR	Interest	11/01/2019	11/01/2023				33,000.00	33,000.00
5382	82	3133EHN25	FEDERAL FARM CR	Acct Int	11/01/2019	11/01/2023		8,616.67			8,616.67
5388	82	801577NR4	SCC 2.05% MAT	Interest	11/01/2019	11/01/2023				-8,616.67	0.00
4102	82	23380W523	Money Market Fund	Interest	11/01/2019	05/01/2021				14,122.22	14,122.22
4102	82	23380W523	Money Market Fund	Interest	11/01/2019					46,779.93	46,779.93

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
<b>Totals for 11/01/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	11/04/2019			45,000.00			
4102	82	23380W523	Money Market Fund	Purchase	11/04/2019			26,500.00			
4102	82	23380W523	Money Market Fund	Purchase	11/04/2019			750,000.00			
5203	82	594918BH6	MSFT 2.65% MAT	Interest	11/04/2019	11/03/2022				26,500.00	
5318	82	3133EJP60	FEDERAL FARM CR	Interest	11/04/2019	05/02/2023				45,000.00	
<b>Totals for 11/04/2019</b>											
4102	82	23380W523	Money Market Fund	Redemption	11/05/2019				2,450,000.00		
<b>Totals for 11/05/2019</b>											
5411	82	802498UJ8	SMCSCD 1.669%	Purchase	11/06/2019	08/01/2023		650,000.00			
5412	82	802498UH6	SANTA MONICA	Purchase	11/06/2019	08/01/2024		500,000.00			
4102	82	23380W523	Money Market Fund	Redemption	11/06/2019				650,000.00		
4102	82	23380W523	Money Market Fund	Redemption	11/06/2019				500,000.00		
4102	82	23380W523	Money Market Fund	Redemption	11/06/2019				25,695.00		
4102	82	23380W523	Money Market Fund	Redemption	11/06/2019				850,000.00		
<b>Totals for 11/06/2019</b>											
5092	82	23380W523	Money Market Fund	Purchase	11/07/2019			17,384.00			
4102	82	23380W523	Money Market Fund	Purchase	11/07/2019			4,900,000.00			
4102	82	23380W523	Money Market Fund	Purchase	11/07/2019			24,273.65			
5054	82	13066TYT5	CADWR 1.713%	Interest	11/07/2019	05/01/2021				24,273.65	
5326	82	3136G02F7	FEDERAL NATL	Interest	11/07/2019	05/07/2021				17,384.00	
<b>Totals for 11/07/2019</b>											
5418	82	3130AHJY0	FEDERAL HOME	Purchase	11/08/2019	11/19/2021		2,994,870.00			
4102	82	23380W523	Money Market Fund	Purchase	11/08/2019			34,500.00			
4102	82	23380W523	Money Market Fund	Purchase	11/08/2019			37,587.50			
4102	82	23380W523	Money Market Fund	Purchase	11/08/2019			100,000.00			
4102	82	23380W523	Money Market Fund	Redemption	11/08/2019				2,994,870.00		
5095	82	3133EHJA2	FFCB 1.55% MAT	Interest	11/08/2019	05/08/2020				23,250.00	
5142	82	3133EHJA2	FFCB 1.55% MAT	Interest	11/08/2019	05/08/2020				14,337.50	
5383	82	3133EKKU9	FEDERAL FARM CR	Interest	11/08/2019	11/08/2023				34,500.00	
5383	82	3133EKKU9	FEDERAL FARM CR	Accr Int	11/08/2019	11/08/2023			7,666.67		
<b>Totals for 11/08/2019</b>											
5419	82	3134GUPU8	FEDERAL HOME	Purchase	11/12/2019	05/10/2024		2,993,841.67			
5416	82	835569GR9	SONOMA 2.061%	Purchase	11/12/2019	08/01/2024		1,000,000.00			
4102	82	23380W523	Money Market Fund	Purchase	11/12/2019			31,875.00			
4102	82	23380W523	Money Market Fund	Redemption	11/12/2019				291.67		
4102	82	23380W523	Money Market Fund	Redemption	11/12/2019				2,100,000.00		
4102	82	23380W523	Money Market Fund	Redemption	11/12/2019				2,993,550.00		
<b>Totals for 11/12/2019</b>											
<b>Totals for 11/01/2019 - 11/12/2019</b>											
								<b>590,188.28</b>	<b>1,008,616.67</b>	<b>155,876.61</b>	<b>574,305.00</b>
								<b>821,500.00</b>	<b>2,450,000.00</b>	<b>71,500.00</b>	<b>-750,000.00</b>
								<b>1,150,000.00</b>	<b>2,025,895.00</b>	<b>41,657.65</b>	<b>875,695.00</b>
								<b>17,384.00</b>			<b>-17,384.00</b>
								<b>4,900,000.00</b>			<b>-4,900,000.00</b>
								<b>24,273.65</b>			<b>-24,273.65</b>
								<b>24,273.65</b>			<b>24,273.65</b>
								<b>17,384.00</b>			<b>17,384.00</b>
								<b>4,941,657.65</b>			<b>-4,900,000.00</b>
								<b>2,994,870.00</b>			<b>-2,994,870.00</b>
								<b>34,500.00</b>			<b>-34,500.00</b>
								<b>37,587.50</b>			<b>-37,587.50</b>
								<b>100,000.00</b>			<b>-100,000.00</b>
								<b>2,994,870.00</b>			<b>2,994,870.00</b>
								<b>23,250.00</b>			<b>23,250.00</b>
								<b>14,337.50</b>			<b>14,337.50</b>
								<b>34,500.00</b>			<b>34,500.00</b>
								<b>-7,666.67</b>			<b>0.00</b>
								<b>3,166,957.50</b>	<b>3,002,536.67</b>	<b>64,420.83</b>	<b>-100,000.00</b>
								<b>2,993,841.67</b>			<b>-2,993,841.67</b>
								<b>1,000,000.00</b>			<b>-1,000,000.00</b>
								<b>31,875.00</b>			<b>-31,875.00</b>
								<b>291.67</b>			<b>291.67</b>
								<b>2,100,000.00</b>			<b>2,100,000.00</b>
								<b>2,993,550.00</b>			<b>2,993,550.00</b>

Santa Clara Valley Water Dist.  
Transaction Activity Report  
Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
4102	82	23380W523	Money Market Fund	Redemption	11/12/2019			1,000,000.00			1,000,000.00
5187	82	4581X0CD8	INTERA 2.125%	Interest	11/12/2019	11/09/2020				31,875.00	31,875.00
<b>Totals for 11/12/2019</b>											
								<b>4,025,716.67</b>	<b>6,093,841.67</b>	<b>31,875.00</b>	<b>2,100,000.00</b>
5417	82	799306QJ7	RAFAEL 1.865%	Purchase	11/13/2019	08/01/2023		1,000,000.00			-1,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/13/2019			14,803.50			-14,803.50
4102	82	23380W523	Money Market Fund	Redemption	11/13/2019				1,000,000.00		1,000,000.00
4102	82	23380W523	Money Market Fund	Redemption	11/13/2019				16,100,000.00		16,100,000.00
88-0237LAIF	82	SY88-0237LAIF	LAIF 4.958%	Redemption	11/13/2019			7,000,000.00			7,000,000.00
5141	82	3133ECPD0	FFCB 1.42% MAT	Interest	11/13/2019	05/13/2020				14,803.50	14,803.50
<b>Totals for 11/13/2019</b>											
								<b>1,014,803.50</b>	<b>24,100,000.00</b>	<b>14,803.50</b>	<b>23,100,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	11/14/2019			10,800,000.00			-10,800,000.00
<b>Totals for 11/14/2019</b>											
								<b>10,800,000.00</b>			<b>-10,800,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			509.59			-509.59
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			39,375.00			-39,375.00
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			63,750.00			-63,750.00
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			26,250.00			-26,250.00
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			48,832.50			-48,832.50
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			55,257.50			-55,257.50
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			42,500.00			-42,500.00
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			50,000.00			-50,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			12,630.00			-12,630.00
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			6,425.00			-6,425.00
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			4,274.22			-4,274.22
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			10,450.87			-10,450.87
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			21,518.75			-21,518.75
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			7,250.00			-7,250.00
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			4,422.85			-4,422.85
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			30,780.75			-30,780.75
4102	82	23380W523	Money Market Fund	Purchase	11/15/2019			900,000.00			-900,000.00
5062	82	3130A9V32	FHLB-C 1.05% MAT	Interest	11/15/2019	11/15/2021				50,000.00	50,000.00
5179	82	3130ACN83	FHLB-C 1.7% MAT	Interest	11/15/2019	05/15/2020				42,500.00	42,500.00
5277	82	9128284P2	UNITED STATES	Interest	11/15/2019	05/15/2021				39,375.00	39,375.00
5338	82	866264DD3	SUMMIT 2.5% MAT	Interest	11/15/2019	04/15/2020				509.59	509.59
5352	82	91412HEW9	UC 2.608% MAT	Interest	11/15/2019	05/15/2022				4,274.22	4,274.22
5353	82	91412HEX7	UNIVERSITY CALIF	Interest	11/15/2019	05/15/2023				10,450.87	10,450.87
5365	82	91412GQF5	UNIVERSITY CALIF	Interest	11/15/2019	05/15/2024				7,250.00	7,250.00
5366	82	91412GWF9	UNIVERSITY CALIF	Interest	11/15/2019	05/15/2021				12,630.00	12,630.00
5367	82	742651DR0	PRIVATE EXPT	Interest	11/15/2019	11/15/2022				30,780.75	30,780.75
5370	82	91412GQE8	UNIVERSITY CALIF	Interest	11/15/2019	05/15/2023				21,518.75	21,518.75

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
5372	82	3133EKL2	FEDERAL FARM CR	Interest	11/15/2019	05/15/2023				34,500.00	34,500.00
5375	82	3133EKL2	FEDERAL FARM CR	Interest	11/15/2019	05/15/2023				20,757.50	20,757.50
5375	82	3133EKL2	FEDERAL FARM CR	Accr Int	11/15/2019	05/15/2023		1,037.88		-1,037.88	0.00
5384	82	912828VB3	UNITED STATES	Interest	11/15/2019	05/15/2023				26,250.00	26,250.00
5384	82	912828VB3	UNITED STATES	Accr Int	11/15/2019	05/15/2023		4,850.54		-4,850.54	0.00
5385	82	3133ECPM0	FEDERAL FARM CR	Interest	11/15/2019	05/15/2023				48,832.50	48,832.50
5385	82	3133ECPM0	FEDERAL FARM CR	Accr Int	11/15/2019	05/15/2023		9,495.21		-9,495.21	0.00
5399	82	91412GQD0	UNIVERSITY CALIF	Interest	11/15/2019	05/15/2022				6,425.00	6,425.00
5399	82	91412GQD0	UNIVERSITY CALIF	Accr Int	11/15/2019	05/15/2022		3,426.67		-3,426.67	0.00
5400	82	91412GJZ6	UNIVERSITY CALIF	Interest	11/15/2019	05/15/2022				4,422.85	4,422.85
5400	82	91412GJZ6	UNIVERSITY CALIF	Accr Int	11/15/2019	05/15/2022		2,678.28		-2,678.28	0.00
5404	82	9128286U9	UNITED STATES	Interest	11/15/2019	05/15/2022				31,875.00	31,875.00
5404	82	9128286U9	UNITED STATES	Accr Int	11/15/2019	05/15/2022		23,386.55		-23,386.55	0.00
5405	82	9128286U9	UNITED STATES	Interest	11/15/2019	05/15/2022				31,875.00	31,875.00
5405	82	9128286U9	UNITED STATES	Accr Int	11/15/2019	05/15/2022		23,386.55		-23,386.55	0.00
<b>Totals for 11/15/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	11/18/2019			662.47			-662.47
4102	82	23380W523	Money Market Fund	Purchase	11/18/2019			56,250.00			-56,250.00
4102	82	23380W523	Money Market Fund	Purchase	11/18/2019			35,510.50			-35,510.50
4102	82	23380W523	Money Market Fund	Redemption	11/18/2019				950,000.00		950,000.00
5251	82	3133EGAH8	FEDERAL FARM CR	Interest	11/18/2019	05/17/2021				35,510.50	35,510.50
5280	82	33715LBT6	1STTCH 3.25% MAT	Interest	11/18/2019	07/18/2022				662.47	662.47
5376	82	3133EKLQ7	FEDERAL FARM CR	Interest	11/18/2019	05/17/2021				56,250.00	56,250.00
5376	82	3133EKLQ7	FEDERAL FARM CR	Accr Int	11/18/2019	05/17/2021		5,000.00		-5,000.00	0.00
<b>Totals for 11/18/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	11/19/2019			68,500.00			-68,500.00
4102	82	23380W523	Money Market Fund	Redemption	11/19/2019				650,000.00		650,000.00
5170	82	3133EGBL8	FFCB 1.37% MAT	Interest	11/19/2019	05/19/2020				20,550.00	20,550.00
5175	82	3133EGBL8	FFCB 1.37% MAT	Interest	11/19/2019	05/19/2020				20,550.00	20,550.00
5177	82	3133EGBL8	FFCB 1.37% MAT	Interest	11/19/2019	05/19/2020				27,400.00	27,400.00
<b>Totals for 11/19/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	11/20/2019			27,450.00			-27,450.00
4102	82	23380W523	Money Market Fund	Purchase	11/20/2019			10,200,000.00			-10,200,000.00
88-0237LAIF	82	SYS88-0237LAIF	LAIF 4.958%	Purchase	11/20/2019			5,000,000.00			-5,000,000.00
5172	82	3133EHT78	FFCB 1.83% MAT	Interest	11/20/2019	05/20/2020				27,450.00	27,450.00
<b>Totals for 11/20/2019</b>											
5421	82	313378JP7	FEDERAL HOMIE	Purchase	11/21/2019	09/10/2021		3,055,962.08			-3,055,962.08
5420	82	3136G03S8	FEDERAL NATL	Purchase	11/21/2019	05/14/2021		1,001,135.80			-1,001,135.80
4102	82	23380W523	Money Market Fund	Redemption	11/21/2019				14,052.08		14,052.08



Santa Clara Valley Water Dist.  
Transaction Activity Report  
Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
4102	82	23380W523	Money Market Fund	Redemption	11/21/2019				320.83		320.83
4102	82	23380W523	Money Market Fund	Redemption	11/21/2019				3,200,000.00		3,200,000.00
4102	82	23380W523	Money Market Fund	Redemption	11/21/2019				3,041,910.00		3,041,910.00
4102	82	23380W523	Money Market Fund	Redemption	11/21/2019				1,000,814.97		1,000,814.97
<b>Totals for 11/21/2019</b>								<b>4,057,097.88</b>	<b>7,257,097.88</b>		<b>3,200,000.00</b>
5425	82	3133EKP7	FEDERAL FARM CR	Purchase	11/22/2019	06/05/2023		2,234,786.79			-2,234,786.79
5423	82	3133834G3	FEDERAL HOME	Purchase	11/22/2019	06/09/2023		3,082,264.58			-3,082,264.58
5424	82	3133834G3	FEDERAL HOME	Purchase	11/22/2019	06/09/2023		3,328,353.27			-3,328,353.27
5422	82	3134GBHM7	FEDERAL HOME	Purchase	11/22/2019	04/27/2022		2,051,685.83			-2,051,685.83
4102	82	23380W523	Money Market Fund	Purchase	11/22/2019			359.26			-359.26
4102	82	23380W523	Money Market Fund	Purchase	11/22/2019			235,000.00			-235,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/22/2019			5,050,000.00			-5,050,000.00
5161	82	410493CN8	HANMI 1.8% MAT	Redemption	11/22/2019	11/22/2019	Maturity		235,000.00		235,000.00
4102	82	23380W523	Money Market Fund	Redemption	11/22/2019			28,864.58			28,864.58
4102	82	23380W523	Money Market Fund	Redemption	11/22/2019			21,440.36			21,440.36
4102	82	23380W523	Money Market Fund	Redemption	11/22/2019			31,173.75			31,173.75
4102	82	23380W523	Money Market Fund	Redemption	11/22/2019			3,053,400.00			3,053,400.00
4102	82	23380W523	Money Market Fund	Redemption	11/22/2019			2,213,346.43			2,213,346.43
4102	82	23380W523	Money Market Fund	Redemption	11/22/2019			3,297,179.52			3,297,179.52
4102	82	23380W523	Money Market Fund	Redemption	11/22/2019			3,645.83			3,645.83
4102	82	23380W523	Money Market Fund	Redemption	11/22/2019			2,048,040.00			2,048,040.00
5161	82	410493CN8	HANMI 1.8% MAT	Interest	11/22/2019	11/22/2019				359.26	359.26
<b>Totals for 11/22/2019</b>								<b>15,982,449.73</b>	<b>10,932,090.47</b>	<b>359.26</b>	<b>-5,050,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	11/25/2019			350.25			-350.25
4102	82	23380W523	Money Market Fund	Purchase	11/25/2019			13,760.00			-13,760.00
4102	82	23380W523	Money Market Fund	Purchase	11/25/2019			20,250.00			-20,250.00
4102	82	23380W523	Money Market Fund	Purchase	11/25/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/25/2019			235,000.00			-235,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/25/2019			240,000.00			-240,000.00
5018	82	3136G3MK8	FNMA 1.35% MAT	Redemption	11/25/2019	11/25/2019	Maturity		3,000,000.00		3,000,000.00
5160	82	69406PCQ0	PCB 1.7% MAT	Redemption	11/25/2019	11/25/2019	Maturity		235,000.00		235,000.00
5018	82	3136G3MK8	FNMA 1.35% MAT	Interest	11/25/2019	11/25/2019				20,250.00	20,250.00
5160	82	69406PCQ0	PCB 1.7% MAT	Interest	11/25/2019	11/25/2019				339.30	339.30
5160	82	69406PCQ0	PCB 1.7% MAT	Interest	11/25/2019	11/25/2019				10.95	10.95
5160	82	69406PCQ0	PCB 1.7% MAT	Interest	11/25/2019	11/25/2019				13,760.00	13,760.00
5209	82	459056FH1	IBRD 1.375% MAT	Interest	11/25/2019	05/24/2021					
<b>Totals for 11/25/2019</b>								<b>3,509,360.25</b>	<b>3,235,000.00</b>	<b>34,360.25</b>	<b>-240,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	11/26/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/26/2019			43,125.00			-43,125.00
4102	82	23380W523	Money Market Fund	Purchase	11/26/2019			40,000.00			-40,000.00

Santa Clara Valley Water Dist.  
Transaction Activity Report  
Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
4102	82	23380W523	Money Market Fund	Purchase	11/26/2019			78,750.00			-78,750.00
4102	82	23380W523	Money Market Fund	Purchase	11/26/2019			9,000,000.00			-9,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/26/2019			5,244.17			-5,244.17
4872	82	3135G0ZY2	FNMA 1.75% MAT	Redemption	11/26/2019	11/26/2019	Maturity		3,000,000.00		3,000,000.00
4873	82	3135G0ZY2	FNMA 1.75% MAT	Redemption	11/26/2019	11/26/2019	Maturity		3,000,000.00		3,000,000.00
5088	82	3135G0ZY2	FNMA 1.75% MAT	Redemption	11/26/2019	11/26/2019	Maturity		3,000,000.00		3,000,000.00
5101	82	3133EHGS6	FFCB 2.03% MAT	Redemption	11/26/2019	04/25/2022	Call		2,991,000.00		2,991,000.00
5101	82	3133EHGS6	FFCB 2.03% MAT	Cap G/L	11/26/2019	04/25/2022			9,000.00		9,000.00
4102	82	23380W523	Money Market Fund	Redemption	11/26/2019				4,700,000.00		4,700,000.00
4872	82	3135G0ZY2	FNMA 1.75% MAT	Interest	11/26/2019	11/26/2019				26,250.00	26,250.00
4873	82	3135G0ZY2	FNMA 1.75% MAT	Interest	11/26/2019	11/26/2019				26,250.00	26,250.00
5088	82	3135G0ZY2	FNMA 1.75% MAT	Interest	11/26/2019	11/26/2019				26,250.00	26,250.00
5101	82	3133EHGS6	FFCB 2.03% MAT	Interest	11/26/2019	04/25/2022				5,244.17	5,244.17
5102	82	3130ABEC6	FHLB-C 1.6% MAT	Interest	11/26/2019	05/26/2020				16,000.00	16,000.00
5103	82	3130ABEC6	FHLB-C 1.6% MAT	Interest	11/26/2019	05/26/2020				24,000.00	24,000.00
5327	82	3133EJW70	FEDERAL FARM CR	Interest	11/26/2019	05/26/2021				43,125.00	43,125.00
<b>Totals for 11/26/2019</b>								<b>12,167,119.17</b>	<b>16,700,000.00</b>	<b>167,119.17</b>	<b>4,700,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	11/27/2019			5,000,000.00			-5,000,000.00
5202	82	23380W523	Money Market Fund	Purchase	11/27/2019			5,000,000.00			-5,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/27/2019			75,000.00			-75,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/27/2019			55,000.00			-55,000.00
5253	82	3136G4NM1	FEDERAL NATL	Redemption	11/27/2019	05/27/2022	Call		4,874,750.00		4,874,750.00
5253	82	3136G4NM1	FEDERAL NATL	Cap G/L	11/27/2019	05/27/2022			125,250.00		125,250.00
5283	82	3134GSC52	FEDERAL HOME	Redemption	11/27/2019	05/27/2021	Call		5,000,000.00		5,000,000.00
4102	82	23380W523	Money Market Fund	Redemption	11/27/2019				13,750,000.00		13,750,000.00
5253	82	3136G4NM1	FEDERAL NATL	Interest	11/27/2019	05/27/2022				55,000.00	55,000.00
5283	82	3134GSC52	FEDERAL HOME	Interest	11/27/2019	05/27/2021				75,000.00	75,000.00
<b>Totals for 11/27/2019</b>								<b>10,130,000.00</b>	<b>23,750,000.00</b>	<b>130,000.00</b>	<b>13,750,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	11/29/2019			60,000.00			-60,000.00
4102	82	23380W523	Money Market Fund	Purchase	11/29/2019			65,625.00			-65,625.00
5215	82	3130AECJ7	FEDERAL HOME	Interest	11/29/2019	05/28/2020				65,625.00	65,625.00
5373	82	3134GTPH0	FEDERAL HOME	Interest	11/29/2019	11/28/2022				60,000.00	60,000.00
<b>Totals for 11/29/2019</b>								<b>125,625.00</b>		<b>125,625.00</b>	<b>0.00</b>
4102	82	23380W523	Money Market Fund	Purchase	12/02/2019			22,500.00			-22,500.00
4102	82	23380W523	Money Market Fund	Purchase	12/02/2019			22,500.00			-22,500.00
4102	82	23380W523	Money Market Fund	Purchase	12/02/2019			8,087.50			-8,087.50
4102	82	23380W523	Money Market Fund	Purchase	12/02/2019			17,607.95			-17,607.95
4102	82	23380W523	Money Market Fund	Purchase	12/02/2019			33,371.21			-33,371.21
4102	82	23380W523	Money Market Fund	Purchase	12/02/2019			13,250,000.00			-13,250,000.00

Santa Clara Valley Water Dist.  
Transaction Activity Report  
Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
4963	82	3135G0F73	FNMAD 1.5% MAT	Interest	12/02/2019	11/30/2020				22,500.00	22,500.00
5155	82	912828XE5	T-BILL 1.5% MAT	Interest	12/02/2019	05/31/2020				22,500.00	22,500.00
5285	82	702274CN9	CY PAS 3.338%	Interest	12/02/2019	12/01/2022				17,607.95	17,607.95
5286	82	702274CM1	PASADENA CALIF	Interest	12/02/2019	12/01/2021				8,087.50	8,087.50
4102	82	23380W523	Money Market Fund	Interest	12/02/2019					33,371.21	33,371.21
<b>Totals for 12/02/2019</b>											
								13,354,066.66		104,066.66	-13,250,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/03/2019			468.82			-468.82
4102	82	23380W523	Money Market Fund	Redemption	12/03/2019				1,500,000.00		1,500,000.00
5233	82	320337BV9	FIGBCA 2.3% MAT	Interest	12/03/2019	08/28/2020				468.82	468.82
<b>Totals for 12/03/2019</b>											
								468.82	1,500,000.00	468.82	1,500,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/04/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/04/2019			2,135.00			-2,135.00
5172	82	3133EHT78	FFCB 1.83% MAT	Redemption	12/04/2019	05/20/2020	Call		2,985,990.00		2,985,990.00
5172	82	3133EHT78	FFCB 1.83% MAT	Cap G/L	12/04/2019	05/20/2020			14,010.00		14,010.00
4102	82	23380W523	Money Market Fund	Redemption	12/04/2019				3,050,000.00		3,050,000.00
5172	82	3133EHT78	FFCB 1.83% MAT	Interest	12/04/2019	05/20/2020				2,135.00	2,135.00
<b>Totals for 12/04/2019</b>											
								3,002,135.00	6,050,000.00	2,135.00	3,050,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/05/2019			23,109.38			-23,109.38
4102	82	23380W523	Money Market Fund	Redemption	12/05/2019				3,870,000.00		3,870,000.00
5425	82	3133EKPT7	FEDERAL FARM CR	Interest	12/05/2019	06/05/2023				23,109.38	23,109.38
5425	82	3133EKPT7	FEDERAL FARM CR	Accr Int	12/05/2019	06/05/2023			21,440.36		-21,440.36
<b>Totals for 12/05/2019</b>											
								23,109.38	3,891,440.36	1,669.02	3,870,000.00
4102	82	23380W523	Money Market Fund	Redemption	12/06/2019				1,050,000.00		1,050,000.00
<b>Totals for 12/06/2019</b>											
									1,050,000.00		1,050,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/09/2019			77,500.00			-77,500.00
4102	82	23380W523	Money Market Fund	Purchase	12/09/2019			33,750.00			-33,750.00
4102	82	23380W523	Money Market Fund	Purchase	12/09/2019			62,500.00			-62,500.00
4102	82	23380W523	Money Market Fund	Purchase	12/09/2019			135,000.00			-135,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/09/2019			98,175.00			-98,175.00
4102	82	23380W523	Money Market Fund	Redemption	12/09/2019				650,000.00		650,000.00
5223	82	3130AEF54	FEDERAL HOME	Interest	12/09/2019	06/08/2023				77,500.00	77,500.00
5319	82	3130AFE78	FEDERAL HOME	Interest	12/09/2019	12/09/2022				45,000.00	45,000.00
5332	82	3130AFE78	FEDERAL HOME	Interest	12/09/2019	12/09/2022				45,000.00	45,000.00
5336	82	3130AFE78	FEDERAL HOME	Interest	12/09/2019	12/09/2022				45,000.00	45,000.00
5374	82	3130A3VC5	FEDERAL HOME	Interest	12/09/2019	12/09/2023				33,750.00	33,750.00
5378	82	3133834G3	FEDERAL HOME	Interest	12/09/2019	12/08/2022				31,875.00	31,875.00
5390	82	3130AAHE1	FEDERAL HOME	Interest	12/09/2019	12/08/2023				62,500.00	62,500.00
5390	82	3130AAHE1	FEDERAL HOME	Accr Int	12/09/2019	12/08/2023			5,555.56		-5,555.56

Santa Clara Valley Water Dist.  
Transaction Activity Report  
Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash	
5423	82	3133834G3	FEDERAL HOME	Interest	12/09/2019	06/09/2023				31,875.00	31,875.00	
5423	82	3133834G3	FEDERAL HOME	Accr Int	12/09/2019	06/09/2023			28,864.58	-28,864.58	0.00	
5424	82	3133834G3	FEDERAL HOME	Interest	12/09/2019	06/09/2023				34,425.00	34,425.00	
5424	82	3133834G3	FEDERAL HOME	Accr Int	12/09/2019	06/09/2023			31,173.75	-31,173.75	0.00	
<b>Totals for 12/09/2019</b>												
4102	82	23380W523	Money Market Fund	Purchase	12/10/2019			5,000,000.00			-5,000,000.00	
4102	82	23380W523	Money Market Fund	Purchase	12/10/2019			77,750.00			-77,750.00	
5291	82	3133EJ2H1	FEDERAL FARM CR	Redemption	12/10/2019	12/10/2021	Call		5,000,000.00		5,000,000.00	
4102	82	23380W523	Money Market Fund	Redemption	12/10/2019				750,000.00		750,000.00	
5291	82	3133EJ2H1	FEDERAL FARM CR	Interest	12/10/2019	12/10/2021				77,750.00	77,750.00	
<b>Totals for 12/10/2019</b>												
5426	82	3133EGPU2	FEDERAL FARM CR	Purchase	12/11/2019	05/17/2022		1,009,233.33			-1,009,233.33	
5427	82	3133834G3	FEDERAL HOME	Purchase	12/11/2019	06/09/2023		1,015,258.06			-1,015,258.06	
5428	82	3134GUVF2	FEDERAL HOME	Purchase	12/11/2019	05/27/2022		3,002,018.33			-3,002,018.33	
5429	82	3135G0V34	FEDERAL NATL	Purchase	12/11/2019	02/05/2024		5,203,300.00			-5,203,300.00	
4102	82	23380W523	Money Market Fund	Purchase	12/11/2019			2,000,000.00			-2,000,000.00	
4102	82	23380W523	Money Market Fund	Purchase	12/11/2019			3,000,000.00			-3,000,000.00	
4102	82	23380W523	Money Market Fund	Purchase	12/11/2019			51,000.00			-51,000.00	
4102	82	23380W523	Money Market Fund	Purchase	12/11/2019			28,125.00			-28,125.00	
4102	82	23380W523	Money Market Fund	Purchase	12/11/2019			50,000.00			-50,000.00	
5143	82	3133EHZ9	Money Market Fund	Purchase	12/11/2019			8,280.00			-8,280.00	
5292	82	3133EJ2J7	FFCB 1.84% MAT	Redemption	12/11/2019	09/20/2021	Call		2,000,000.00		2,000,000.00	
4102	82	23380W523	FEDERAL FARM CR	Redemption	12/11/2019	12/11/2023	Call		3,000,000.00		3,000,000.00	
4102	82	23380W523	Money Market Fund	Redemption	12/11/2019			118.06			118.06	
4102	82	23380W523	Money Market Fund	Redemption	12/11/2019			43,750.00			43,750.00	
4102	82	23380W523	Money Market Fund	Redemption	12/11/2019			1,333.33			1,333.33	
4102	82	23380W523	Money Market Fund	Redemption	12/11/2019			2,018.33			2,018.33	
4102	82	23380W523	Money Market Fund	Redemption	12/11/2019			3,000,000.00			3,000,000.00	
4102	82	23380W523	Money Market Fund	Redemption	12/11/2019			1,015,140.00			1,015,140.00	
4102	82	23380W523	Money Market Fund	Redemption	12/11/2019			5,159,550.00			5,159,550.00	
4102	82	23380W523	Money Market Fund	Redemption	12/11/2019			1,007,900.00			1,007,900.00	
5131	82	313379RB7	Money Market Fund	Redemption	12/11/2019			3,000,000.00			3,000,000.00	
5143	82	3133EHZ9	FHLB 1.875% MAT	Interest	12/11/2019	06/11/2021				28,125.00	28,125.00	
5183	82	3130ADAX7	FFCB 1.84% MAT	Interest	12/11/2019	09/20/2021				8,280.00	8,280.00	
5292	82	3133EJ2J7	FHLB-C 2.0% MAT	Interest	12/11/2019	12/11/2020				50,000.00	50,000.00	
			FEDERAL FARM CR	Interest	12/11/2019	12/11/2023				51,000.00	51,000.00	
<b>Totals for 12/11/2019</b>												
5430	82	912826U9	UNITED STATES	Purchase	12/12/2019	06/15/2022					3,038,361.52	
4102	82	23380W523	Money Market Fund	Purchase	12/12/2019						46,875.00	
<b>Totals for 12/12/2019</b>												
									<b>15,367,214.72</b>	<b>18,229,809.72</b>	<b>137,405.00</b>	<b>3,000,000.00</b>
									<b>3,038,361.52</b>	<b>46,875.00</b>	<b>-3,038,361.52</b>	<b>-46,875.00</b>

Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
4102	82	23380W523	Money Market Fund	Purchase	12/12/2019			26,250.00			-26,250.00
4102	82	23380W523	Money Market Fund	Redemption	12/12/2019				4,728.71		4,728.71
4102	82	23380W523	Money Market Fund	Redemption	12/12/2019				3,033,632.81		3,033,632.81
5139	82	313383HU8	FHLB 1.75% MAT	Interest	12/12/2019	06/12/2020				26,250.00	26,250.00
5377	82	3133EKQP4	FFCB 1.875% MAT	Interest	12/12/2019	12/12/2022				46,875.00	46,875.00
<b>Totals for 12/12/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	12/13/2019			11,000,000.00			-11,000,000.00
<b>Totals for 12/13/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	12/16/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/16/2019			493.15			-493.15
4102	82	23380W523	Money Market Fund	Purchase	12/16/2019			641.10			-641.10
4102	82	23380W523	Money Market Fund	Purchase	12/16/2019			75,000.00			-75,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/16/2019			5,967.33			-5,967.33
4102	82	23380W523	Money Market Fund	Purchase	12/16/2019			33,750.00			-33,750.00
4102	82	23380W523	Money Market Fund	Purchase	12/16/2019			5,000,000.00			-5,000,000.00
5162	82	3134GB4R0	FHLMC 2.25% MAT	Redemption	12/16/2019	12/15/2022	Call		3,000,000.00		3,000,000.00
5162	82	3134GB4R0	FHLMC 2.25% MAT	Interest	12/16/2019	12/15/2022				33,750.00	33,750.00
5217	82	3134GSMU6	FEDERAL HOME	Interest	12/16/2019	06/15/2022				75,000.00	75,000.00
5360	82	33715LBT6	1STTCH 3.25% MAT	Interest	12/16/2019	07/18/2022				641.10	641.10
5338	82	866284DD3	SUMMIT 2.5% MAT	Interest	12/16/2019	04/15/2020				493.15	493.15
5343	82	7976465A0	SFO CY 2.623%	Interest	12/16/2019	06/15/2022				5,967.33	5,967.33
<b>Totals for 12/16/2019</b>											
5432	82	3133ELEL4	FEDERAL FARM CR	Purchase	12/19/2019	05/17/2023		5,000,000.00			-5,000,000.00
5431	82	3134GUC32	FEDERAL HOME	Purchase	12/19/2019	06/19/2024		3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/19/2019			22,500.00			-22,500.00
4102	82	23380W523	Money Market Fund	Purchase	12/19/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/19/2019			4,550,000.00			-4,550,000.00
5089	82	3133EGW92	FFCB 1.5% MAT	Redemption	12/19/2019	12/19/2019	Maturity		3,000,000.00		3,000,000.00
4102	82	23380W523	Money Market Fund	Redemption	12/19/2019			3,000,000.00			3,000,000.00
4102	82	23380W523	Money Market Fund	Redemption	12/19/2019			5,000,000.00			5,000,000.00
5089	82	3133EGW92	FFCB 1.5% MAT	Interest	12/19/2019	12/19/2019				22,500.00	22,500.00
<b>Totals for 12/19/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	12/20/2019			52,500.00			-52,500.00
5381	82	3133EDBU5	FEDERAL FARM CR	Interest	12/20/2019	12/20/2023				52,500.00	52,500.00
<b>Totals for 12/20/2019</b>											
4102	82	23380W523	Money Market Fund	Purchase	12/23/2019			68,250.00			-68,250.00
4102	82	23380W523	Money Market Fund	Purchase	12/23/2019			25,050.00			-25,050.00
4102	82	23380W523	Money Market Fund	Purchase	12/23/2019			41,250.00			-41,250.00

Santa Clara Valley Water Dist.  
Transaction Activity Report  
Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
4102	82	23380W523	Money Market Fund	Purchase	12/23/2019			107,500.00			-107,500.00
5118	82	3133EHPD9	FFCB 1.67% MAT	Interest	12/23/2019	06/22/2020				25,050.00	25,050.00
5184	82	3133EJAD1	FFCB 2.15% MAT	Interest	12/23/2019	12/23/2020				53,750.00	53,750.00
5185	82	3133EJAD1	FFCB 2.15% MAT	Interest	12/23/2019	12/23/2020				53,750.00	53,750.00
5252	82	3133EJSJ8	FEDERAL FARM CR	Interest	12/23/2019	06/21/2021				68,250.00	68,250.00
5312	82	3135G0U35	FEDERAL NATL	Interest	12/23/2019	06/22/2021				41,250.00	41,250.00
<b>Totals for 12/23/2019</b>								<b>242,050.00</b>		<b>242,050.00</b>	<b>0.00</b>
4102	82	23380W523	Money Market Fund	Redemption	12/24/2019				2,850,000.00		2,850,000.00
<b>Totals for 12/24/2019</b>								<b>2,850,000.00</b>		<b>2,850,000.00</b>	
4102	82	23380W523	Money Market Fund	Purchase	12/26/2019			26,550.00			-26,550.00
4102	82	23380W523	Money Market Fund	Purchase	12/26/2019			55,625.00			-55,625.00
4102	82	23380W523	Money Market Fund	Redemption	12/26/2019				12,200,000.00		12,200,000.00
5387	82	3133EKSN7	FFCB 1.77% MAT	Interest	12/26/2019	06/26/2023				26,550.00	26,550.00
5394	82	3134GTYL1	FEDERAL HOME	Interest	12/26/2019	06/26/2024				55,625.00	55,625.00
<b>Totals for 12/26/2019</b>								<b>82,175.00</b>	<b>12,200,000.00</b>	<b>82,175.00</b>	<b>12,200,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	12/27/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/27/2019			46,500.00			-46,500.00
5313	82	3134GSJ48	FEDERAL HOME	Redemption	12/27/2019	06/27/2022	Call		3,007,800.00		3,007,800.00
5313	82	3134GSJ48	FEDERAL HOME	Cap G/L	12/27/2019	06/27/2022			-7,800.00		-7,800.00
4102	82	23380W523	Money Market Fund	Redemption	12/27/2019				20,150,000.00		20,150,000.00
5313	82	3134GSJ48	FEDERAL HOME	Interest	12/27/2019	06/27/2022				46,500.00	46,500.00
<b>Totals for 12/27/2019</b>								<b>3,046,500.00</b>	<b>23,150,000.00</b>	<b>46,500.00</b>	<b>20,150,000.00</b>
4102	82	23380W523	Money Market Fund	Purchase	12/30/2019			1,615,000.00			-1,615,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/30/2019			3,000,000.00			-3,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/30/2019			16,900.00			-16,900.00
4102	82	23380W523	Money Market Fund	Purchase	12/30/2019			10,497.50			-10,497.50
4102	82	23380W523	Money Market Fund	Purchase	12/30/2019			28,125.00			-28,125.00
4102	82	23380W523	Money Market Fund	Purchase	12/30/2019			5,000,000.00			-5,000,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/30/2019			19,500,000.00			-19,500,000.00
4102	82	23380W523	Money Market Fund	Purchase	12/30/2019			22,500.00			-22,500.00
5026	82	3136G3TU9	FNMA 1.125%	Redemption	12/30/2019	12/30/2019	Maturity	14,131.25			-14,131.25
5041	82	3134G9YJ0	FHLMC 1.3% MAT	Redemption	12/30/2019	06/30/2021	Call		5,000,000.00		5,000,000.00
5337	82	3134G9VX2	FEDERAL HOME	Redemption	12/30/2019	06/30/2021	Call		1,615,000.00		1,615,000.00
5337	82	3134G9VX2	FEDERAL HOME	Cap G/L	12/30/2019	06/30/2021	Call		2,959,500.00		2,959,500.00
4102	82	23380W523	Money Market Fund	Redemption	12/30/2019				40,500.00		40,500.00
5026	82	3136G3TU9	FNMA 1.125%	Interest	12/30/2019	12/30/2019			10,497.50		10,497.50
5041	82	3134G9YJ0	FHLMC 1.3% MAT	Interest	12/30/2019	06/30/2021				28,125.00	28,125.00
5122	82	3130ABPV2	FHLB-C 1.69% MAT	Interest	12/30/2019	06/29/2020				14,131.25	14,131.25
										16,900.00	16,900.00

Santa Clara Valley Water Dist.  
Transaction Activity Report  
Sorted by Transaction Date - Transaction Date

Investment #	Fund	CUSIP	Inv Descrip	TransactionType	TransactionDate	MaturityDate	RedemptionType	New Principal	Principal Paydowns	Interest	Total Cash
5337	82	3134G9VX2	FEDERAL HOME	Interest	12/30/2019	06/30/2021		29,207,153.75	9,625,497.50	22,500.00	22,500.00
		<b>Totals for 12/30/2019</b>							9,625,497.50	81,656.25	-19,500,000.00
4102	82	23880W523	Money Market Fund	Redemption	12/31/2019			5,500,000.00	5,500,000.00		5,500,000.00
		<b>Totals for 12/31/2019</b>						5,500,000.00	5,500,000.00		5,500,000.00
5233	82	320337BV9	FIGBCA 2.3% MAT	Interest	01/02/2020	08/28/2020				453.70	453.70
		<b>Totals for 01/02/2020</b>								453.70	453.70
		<b>Grand Total</b>						267,303,900.98	279,779,415.95	3,774,938.73	16,250,453.70



**Santa Clara Valley Water Dist.  
Purchases Report  
Sorted by Fund - Fund  
October 1, 2019 - December 31, 2019**

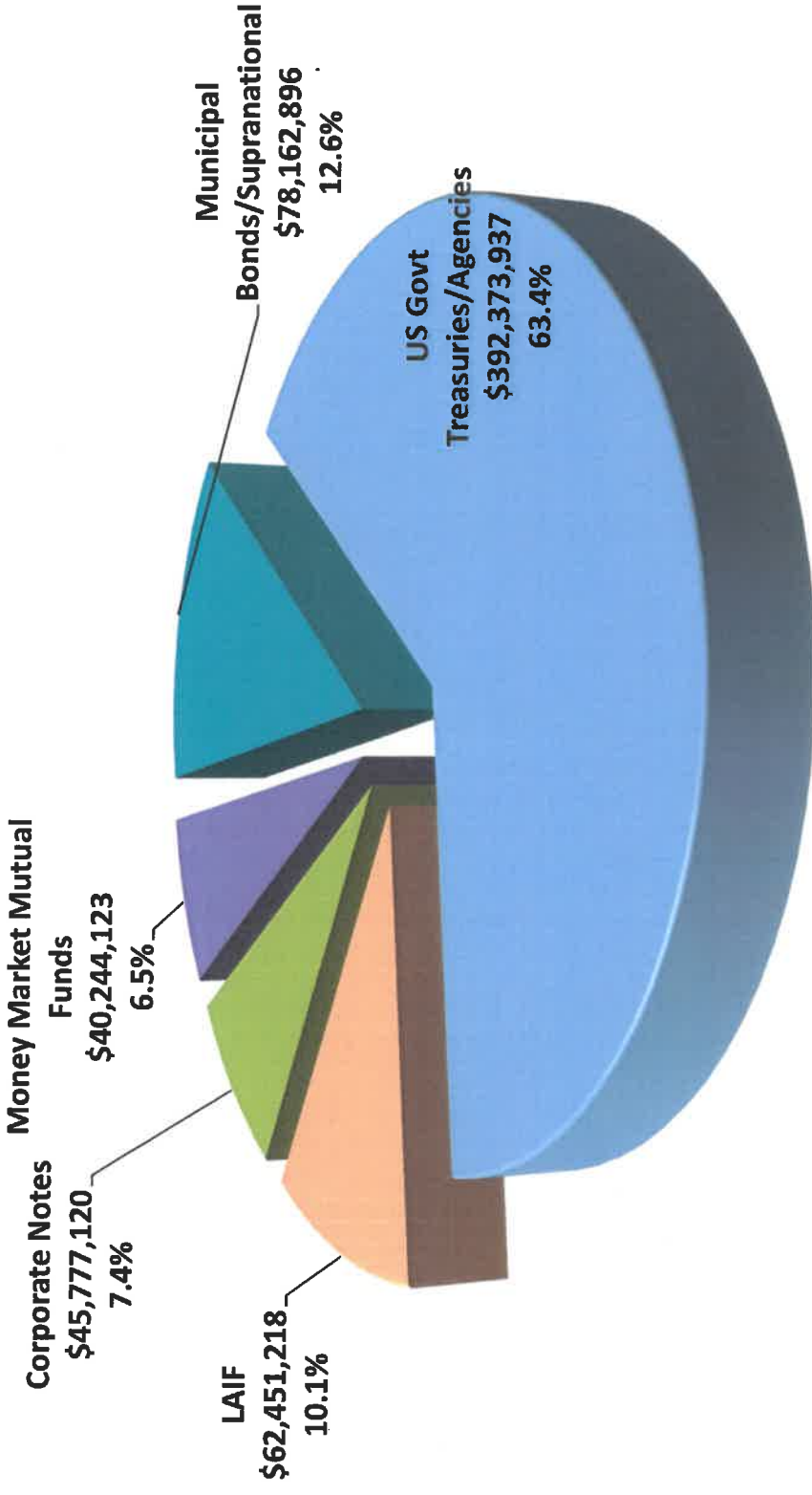
SANTA CLARA VALLEY WATER  
5750 Almaden Expressway  
San Jose, Ca 951  
(408)265-2607

CUSIP	Investment #	Fund	Sec. Type	Issuer	Original Par Value	Purchase Date	Payment	Principal Purchase	Accrued at Purchase	Rate at Purchases	Maturity Date	YTM	Ending Book Value
<b>Treasury Management Fund</b>													
127109QA7	5402	82	MUN	CABRIL	1,230,000.00	10/08/2019	02/01 - 08/01	1,230,000.00		2.034	08/01/2024	2.034	1,230,000.00
544290JB6	5407	82	MUN	LACD	1,750,000.00	10/17/2019	02/01 - 08/01	1,750,000.00		1.896	08/01/2022	1.896	1,750,000.00
544290JC4	5408	82	MUN	LACD	1,500,000.00	10/17/2019	02/01 - 08/01	1,500,000.00		2.143	08/01/2023	2.143	1,500,000.00
542411NJ8	5413	82	MUN	LONHGR	2,500,000.00	10/23/2019	02/01 - 08/01	2,500,000.00		1.803	08/01/2024	1.803	2,500,000.00
376087FY3	5414	82	MUN	GILSCD	600,000.00	10/31/2019	02/01 - 08/01	600,000.00		1.793	08/01/2023	1.793	600,000.00
376087FZ0	5415	82	MUN	GILSCD	550,000.00	10/31/2019	02/01 - 08/01	550,000.00		1.833	08/01/2024	1.833	550,000.00
923040GU7	5409	82	MUN	VENT C	1,000,000.00	10/31/2019	02/01 - 08/01	1,000,000.00		1.800	08/01/2024	1.800	1,000,000.00
923040GT0	5410	82	MUN	VENT C	1,250,000.00	10/31/2019	02/01 - 08/01	1,250,000.00		1.750	08/01/2023	1.750	1,250,000.00
802498UG8	5411	82	MUN	SMCSCD	650,000.00	11/06/2019	02/01 - 08/01	650,000.00		1.669	08/01/2023	1.669	650,000.00
802498UH6	5412	82	MUN	SMCSCD	500,000.00	11/06/2019	02/01 - 08/01	500,000.00		1.719	08/01/2024	1.719	500,000.00
3130AHJY0	5418	82	FAC	FHLB	3,000,000.00	11/08/2019	05/19 - 11/19	2,994,870.00	291.67	1.625	11/19/2021	1.711	2,995,241.94
3134GUPU8	5419	82	FAC	FHLMC	3,000,000.00	11/12/2019	05/10 - 11/10	2,993,550.00		1.750	05/10/2024	1.800	2,994,037.00
835569GR9	5416	82	MUN	SONOMA	1,000,000.00	11/12/2019	02/01 - 08/01	1,000,000.00		2.061	08/01/2024	2.061	1,000,000.00
839306QJ7	5417	82	MUN	RAFAEL	1,000,000.00	11/13/2019	02/01 - 08/01	1,000,000.00		1.865	08/01/2023	1.865	1,000,000.00
3136G03S8	5420	82	FAC	FHLMC	3,000,000.00	11/21/2019	03/10 - 09/10	3,041,910.00	14,052.08	2.375	09/10/2021	1.585	3,063,379.03
3133EKP77	5425	82	FAC	FFCB	1,000,000.00	11/22/2019	12/05 - 06/05	1,000,814.97	320.83	1.650	05/14/2021	1.594	1,001,074.84
3133834G3	5423	82	FAC	FHLB	2,175,000.00	11/22/2019	12/05 - 06/05	2,213,346.43	Received	2.125	06/05/2023	1.610	2,212,171.84
3133834G3	5424	82	FAC	FHLB	3,000,000.00	11/22/2019	12/09 - 06/09	3,053,400.00	Received	2.125	06/09/2023	1.607	3,051,769.15
3134GBHM7	5422	82	FAC	FHLMC	3,240,000.00	11/22/2019	12/09 - 06/09	3,297,179.52	Received	2.125	06/09/2023	1.611	3,295,433.24
3133ECPJ2	5426	82	FAC	FFCB	2,000,000.00	11/22/2019	04/27 - 10/27	2,048,040.00	Received	2.625	04/27/2022	1.613	2,049,544.62
3133834G3	5427	82	FAC	FHLB	1,000,000.00	12/11/2019	05/17 - 11/17	1,007,900.00	1,333.33	2.000	05/17/2022	1.667	1,009,052.96
3134GUVF2	5428	82	FAC	FHLB	1,000,000.00	12/11/2019	06/09 - 12/09	1,015,140.00	118.06	2.125	06/09/2023	1.677	1,015,017.36
3135G0V34	5429	82	FAC	FHLMC	3,000,000.00	12/11/2019	05/27 - 11/27	3,000,000.00	2,018.33	1.730	05/27/2022	1.729	3,002,018.33
9128286U9	5430	82	TRC	T-BILL	5,000,000.00	12/11/2019	02/05 - 08/05	5,159,550.00	43,750.00	2.500	02/05/2024	1.700	5,201,164.12
3133ELEL4	5432	82	FAC	FFCB	3,000,000.00	12/12/2019	05/15 - 11/15	3,033,632.81	4,728.71	2.125	05/15/2022	1.651	3,037,601.46
3134GUC32	5431	82	FAC	FHLMC	5,000,000.00	12/19/2019	05/17 - 11/17	5,000,000.00		1.690	05/17/2023	1.690	5,000,000.00
					3,000,000.00	12/19/2019	06/19 - 12/19	3,000,000.00		2.000	06/19/2024	2.000	3,000,000.00
				<b>Subtotal</b>	<b>54,945,000.00</b>			<b>55,389,333.73</b>	<b>70,258.84</b>				<b>55,447,505.49</b>
				<b>Total Purchases</b>	<b>54,945,000.00</b>			<b>55,389,333.73</b>	<b>70,258.84</b>				<b>55,447,505.49</b>

Received = Accrued Interest at Purchase was received by report ending date.

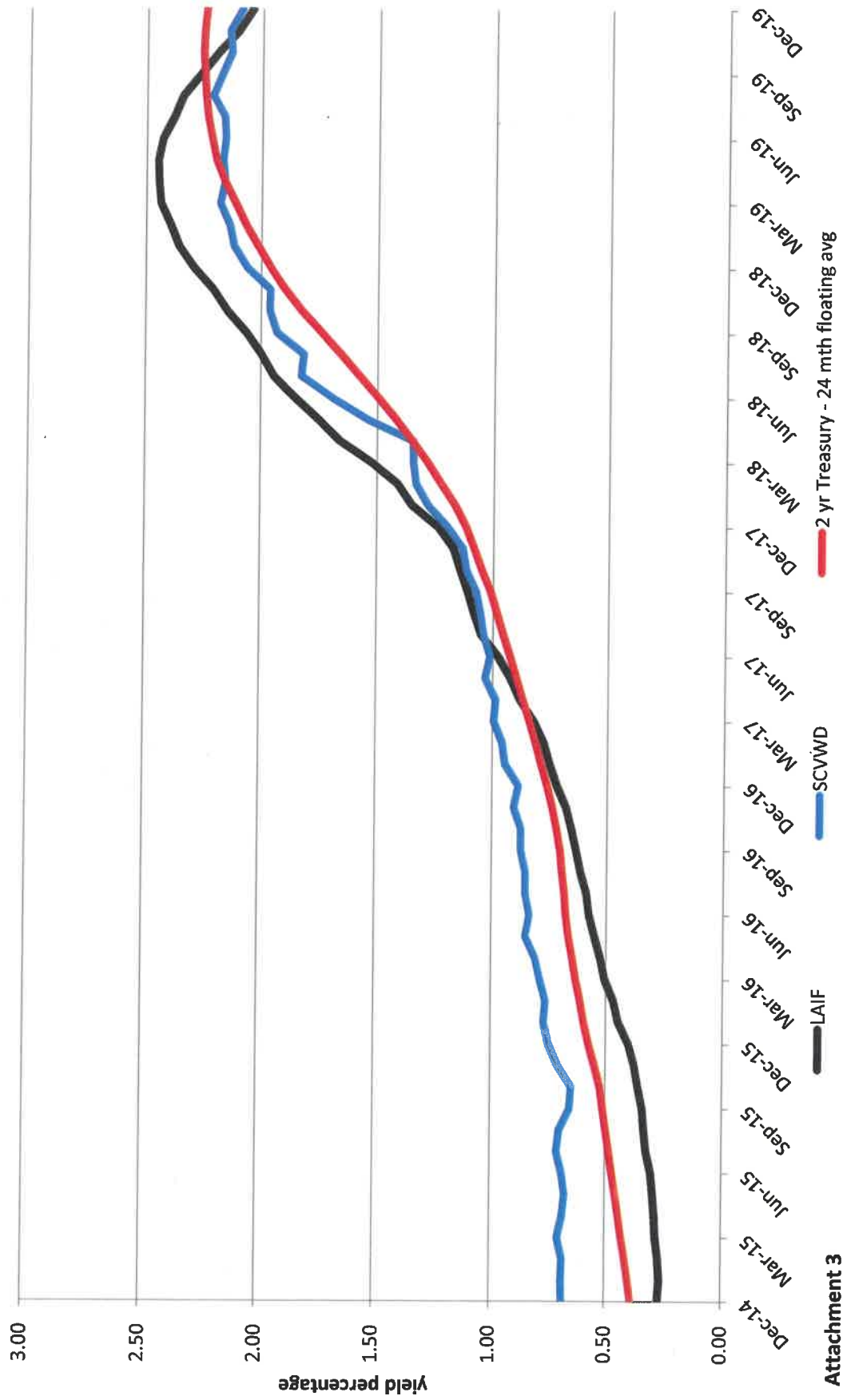


# SCVWD Investment Portfolio Composition



SCVWD Portfolio Book Value as of December 31 2019: \$619,009,295

# 5-Year Yield Comparison



Attachment 3

# **INCOMING BOARD CORRESPONDENCE**

**Report Name: Correspondence (open)**

Correspond No	Rec'd By District	Rec'd By COB	Letter To	Letter From	Description	Disposition	BAO/Chief	Staff	Draft Response Due Date	Draft Response Submitted	Writer Ack. Sent	Final Response Due Date
C-19-0278	12/31/19	12/31/19	All	COLTER COOK	Email from Colter Cook, Keep Coyote Creek Beautiful (KCCB) dated 12/30/19 to the Board requesting that the upcoming events list be shared with communities.	Refer to Staff	Callender	Tran	01/08/20		n/a	01/14/20
C-20-0002	01/05/20	01/06/20	All	DALE TIBBILS	Email from Dale Tibbils to the Board dated 1/5/20 regarding recent Valley Water Communication on "Protecting communities from flooding due to climate change."	Refer to Staff	Callender	Hoang	01/14/20		n/a	01/20/20
C-20-0003	01/06/20	01/06/20	All	SHAWN STORM	Letter from Shawn Storm to the Board received 1/6/20 (dated 1/1/20) regarding water conservation opportunities.	Refer to Staff	Hawk	Hall	01/14/20		n/a	01/20/20
C-20-0005	01/06/20	01/07/20	All	CRAIG LARSEN	Email from Craig Larsen to Directors Santos and Keegan dated 1/6/20 regarding homeless and trash in Saratoga Creek under El Camino Real in Santa Clara.	Refer to Staff	Richards	Tippets	01/15/20		n/a	01/21/20
C-20-0007	01/09/20	01/09/20	All	DHRUV KHANNA	Email from Dhruv Khanna to the Board dated 1/9/20 Farming versus Cement/Asphalt/semiconductors/software production.	Refer to Staff	Camacho	Taylor	01/17/20		n/a	01/23/20