



FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS
REGULAR BOARD MEETING

AGENDA

MONDAY, FEBRUARY 26, 2018
4:00 P.M.

FALLBROOK PUBLIC UTILITY DISTRICT
990 E. MISSION RD., FALLBROOK, CA 92028
PHONE: (760) 728-1125

If you have a disability and need an accommodation to participate in the meeting, please call the Secretary at (760) 728-1125, ext. 1130 for assistance so the necessary arrangements can be made.

Writings that are public records and are distributed during a public meeting are available for public inspection at the meeting if prepared by the local agency or a member of its legislative body or after the meeting if prepared by some other person.

I. PRELIMINARY FUNCTIONS

CALL TO ORDER / ROLL CALL / ESTABLISH A QUORUM

PLEDGE OF ALLEGIANCE

ADDITIONS TO AGENDA PER GC § 54954.2(b)

APPROVAL OF AGENDA

PUBLIC COMMENT

Members of the public are invited to address the Board of Directors on any item that is within the subject matter jurisdiction of the legislative body. The Board President may limit comments to three (3) minutes.

- A. EMPLOYEE OF THE QUARTER FOR FEBRUARY 2018
 - 1. Matt Lian

II. CONSENT CALENDAR----- (ITEMS B-C)

All items appearing on the Consent Calendar may be disposed of by a single motion. Items shall be removed from the Consent Calendar if any member of the Board of Directors or the public requests removal prior to a vote on a motion to approve the items. Such items shall be considered separately for action by the Board.

- B. APPROVAL OF MINUTES
 - 1. Regular Board Meeting of January 22, 2018

Recommendation: The Board approve the minutes of the aforementioned meeting of the Board of Directors of the Fallbrook Public Utility District.

C. CONSIDER EXCUSING DIRECTOR'S ABSENCE FROM A PREPAID MEETING

Recommendation: That the Board excuse Director DeMeo' absence from the Council of Water Utilities meeting on January 16, 2018, and not require Director DeMeo to reimburse the District the \$40 reservation fee paid on her behalf.

III. **INFORMATION**----- (ITEMS D-F)

D. WATER RECLAMATION PLANT OPERATIONS EFFICIENCY REPORT

Presented by: David Deem, Chief Plant Operator and Owni Toma, Environmental Compliance Tech

E. REVIEW OF PIPELINE AND VALVE REPLACEMENT NEEDS AND CAPITAL IMPROVEMENT CHARGE

Presented by: Jack Bebee, Acting General Manager

F. PRESENTATION OF THE PROPOSAL RECEIVED FROM THE WILDLANDS CONSERVANCY ON THE PRESERVATION OF THE SANTA MARGARITA PROPERTY

Presented by: Jack Bebee, Acting General Manager

IV. **ACTION / DISCUSSION CALENDAR**----- (ITEMS G-J)

G. CONSIDER AUTHORIZING AWARD OF THE OLD STAGE PIPELINE REPLACEMENT PROJECT TO SRK ENGINEERING

Recommendation: That the Board authorize award of the Old Stage Pipeline Replacement Project the apparent lowest responsible bidder of SRK Engineering, Inc. at an amount of \$523,420.

H. CONSIDER REQUEST FOR SEWER ANNEXATION

Recommendation: That the Board provide direction and authorize staff to move forward with preparing materials for consideration by the Board and subsequent submission to LAFCO for annexation of the development to LAFCO. The property owner is responsible for annexation and capacity fees and filing fees to both the District and LAFCO.

I. CONSIDER AWARD OF AS-NEEDED PAVING CONTRACTORS

Recommendation: That the Board authorize an asphalt paving contract not-to-exceed a total of \$328,400 based on the unit costs bid to Joe's Paving Company as the primary contractor with Kirk Paving, Inc. being the secondary contractor using their unit costs bid (The total combined amount by both Contractors will not exceed \$328,400). That the Board authorize a concrete Paving contract not-to-exceed \$164,800 to Hardy and Harper, Inc. based on the unit costs in their bid. By utilizing this approach, the District will be able to minimize impacts due to pipeline repair and construction.

J. CONSIDER LETTERS OF OPPOSITION TO SB 623

Recommendation: That the Board adopt a position of opposition to Senate Bill 623, unless it is amended, and authorize staff to submit the following letters to legislators on behalf of the Board and District.

V. ORAL/WRITTEN REPORTS----- (ITEMS 1-8)

1. General Legal Counsel
2. SDCWA Representative
3. Acting General Manager / Assistant General Manager/District Engineer
 - a. Engineering Report Summary
 - b. Annual Production; Total Potable Production
 - c. Ag and M&I Sales; Recycled Water Production & Sales
 - d. 12-Month Running Water Sales
 - e. Meter Exchange; Backflow Testing
 - f. Sewer Overflow/Spills
4. Assistant General Manager/Chief Financial Officer
 - a. Treasurer's Report
 - b. Budget Status Report
 - c. Warrant List
 - d. Finance Projects Schedule
5. Public Affairs Specialist
6. Notice of Approval of Per Diem for Meetings Attended
7. Director Comments / Reports on Meetings Attended
8. Miscellaneous

ADJOURN TO CLOSED SESSION

VI. CLOSED SESSION

1. CONFERENCE TO PROVIDE DIRECTION TO REAL PROPERTY NEGOTIATORS PER GC § 54956.8

PROPERTY: SANTA MARGARITA RIVER PROPERTY (ABOUT 1,380 ACRES OF WILD WATERSHED LAND NORTH OF FALLBROOK AROUND THE SANTA MARGARITA RIVER PRESERVE)

AGENCY NEGOTIATORS: JACK BEBEE, ACTING GENERAL MANAGER

NEGOTIATING PARTIES: THE WILDLIFE CONSERVANCY

UNDER NEGOTIATION: DISCUSSION OF ESSENTIAL TERMS
NECESSARY AS A CONDITION PRECEDENT TO DETERMINATION OF
PRICE AND TERMS OF PAYMENT

2. CONFERENCE WITH LABOR NEGOTIATORS PER GC § 54957.6:

AGENCY DESIGNATED NEGOTIATORS: BOARD OF DIRECTORS

UNREPRESENTED EMPLOYEE: ACTING GENERAL MANAGER

3. PUBLIC EMPLOYEE APPOINTMENT PER GC § 54957:

TITLE: GENERAL MANAGER (UPDATE ON AND DISCUSSION REGARDING
GENERAL MANAGER RECRUITMENT)

RECONVENE TO OPEN SESSION

REPORT FROM CLOSED SESSION (*As Necessary*)

VII. ADJOURNMENT OF MEETING

* * * * *

DECLARATION OF POSTING

I, Kelly Laughlin, Acting Secretary of the Board of Directors of the Fallbrook Public Utility District, do hereby declare that I posted a copy of the foregoing agenda in the glass case at the entrance of the District Office located at 990 East Mission Road, Fallbrook, California, at least 72 hours prior to the meeting in accordance with Government Code § 54954.2(a).

I, Kelly Laughlin, further declare under penalty of perjury and under the laws of the State of California that the foregoing is true and correct.

02-22-2018
Dated / Fallbrook, CA

Kelly Laughlin
Acting Secretary, Board of Directors

M E M O


TO: Board of Directors
FROM: Kelly Laughlin, Acting Secretary *KL*
DATE: February 26, 2018
SUBJECT: Employee of the Quarter for February 2018

Todd Jester chose Matthew Lian as the Employee of the Quarter for February 2018 because of the following:

"Matt was hired August 31, 2015, and is a System Operator I in the System Operations Department. He has helped me make the GIS more complete and accurate. He is dedicated to his work and always is upbeat and easy to work with."

Matt received a certificate of appreciation and he chose a gift valued at \$100. He was also treated to a lunch with the Acting General Manager, a member of the Board of Directors and the previous Employee of the Quarter.

M E M O

TO: Board of Directors
FROM: Kelly Laughlin, Acting Secretary 
DATE: February 26, 2018
SUBJECT: Approval of Minutes

Recommendation

The Board approve the minutes of the following meeting of the Board of Directors of the Fallbrook Public Utility District:

1. January 22, 2018 Regular Board Meeting

**FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS
REGULAR BOARD MEETING**

MINUTES

**MONDAY, JANUARY 22, 2018
4:00 P.M.**

**FALLBROOK PUBLIC UTILITY DISTRICT
990 E. MISSION RD., FALLBROOK, CA 92028
PHONE: (760) 728-1125**

I. PRELIMINARY FUNCTIONS

CALL TO ORDER / ROLL CALL / ESTABLISH A QUORUM

President Gebhart called the regular meeting of the Board of Directors of the Fallbrook Public Utility District to order at 4:04 p.m. A quorum was established with attendance as follows:

Board of Directors

Present: Milt Davies, Member
Jennifer DeMeo, Member
Al Gebhart, Member/President
Don McDougal, Member/Vice-President
Charley Wolk, Member

Absent: None

District Staff

Present: Paula de Sousa Mills, General Legal Counsel
Jack Bebee, Acting General Manager
David Shank, Assistant General Manager/Chief Financial Officer
Jason Cavender, System Operations Manager
Lisa Chaffin, Human Resources Manager
Mick Cothran, Drought Management Coordinator
Jamison Davis, Utility Worker II
Noelle Denke, Public Affairs Specialist
Kyle Drake, Collections Supervisor
Jeff Marchand, Engineering Supervisor
Todd Lange, System Service/Shop Supervisor
Kelly Laughlin, Administrative Office Specialist
Mary Lou West, Secretary

Also present were others, including, but not limited to: Sheila Barr and Richard Babbe of PFM Asset Management LLC.

PLEDGE OF ALLEGIANCE

President Gebhart led the Pledge of Allegiance.

ADDITIONS TO AGENDA PER GC § 54954.2(b)

There were no additions to the agenda.

APPROVAL OF AGENDA

MOTION: Vice-President McDougal moved to approve the agenda as submitted; Director Davies seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk

NOES: None

ABSTAIN: None

ABSENT: None

PUBLIC COMMENT

Members of the public are invited to address the Board of Directors on any item that is within the subject matter jurisdiction of the legislative body. The Board President may limit comments to three (3) minutes.

There were no members of the public who wished to speak during Public Comment concerning items not listed on the agenda.

A. 2017 EMPLOYEE OF THE YEAR; RESOLUTION NO. 4922

1. Jamison Davis

MOTION: Vice-President McDougal moved to adopt Resolution No. 4922 of commendation and appreciation to Jamison Davis as the 2017 Employee of the Year; Director Wolk seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk

NOES: None

ABSTAIN: None

ABSENT: None

B. RECOGNITION AND COMMENDATION OF STUDENT ARTWORK

Presented by: Noelle Denke, Public Affairs Specialist

The top 14 fourth grade student artists who submitted artwork for the 2018 "Be Water Smart" calendar were honored and presented with gifts and prizes for their outstanding artwork that is featured in the calendar.

At 4:25 p.m., President Gebhart announced the Board would take a short recess.

At 4:27 p.m., President Gebhart announced the Board returned from recess and reconvened to Open Session.

II. CONSENT CALENDAR----- (ITEMS C-F)

All items appearing on the Consent Calendar may be disposed of by a single motion. Items shall be removed from the Consent Calendar if any member of the Board of Directors or the public requests removal prior to a vote on a motion to approve the items. Such items shall be considered separately for action by the Board.

C. APPROVAL OF MINUTES

1. Combined November/December Regular Board Meeting and Public Hearing of December 11, 2017

Recommendation: The Board approve the minutes of the aforementioned meeting of the Board of Directors of the Fallbrook Public Utility District.

D. CONSIDER AUTHORIZING STAFF TO FILE THE NOTICE OF COMPLETION FOR THE BRANDON/ALVARADO SEWER REPLACEMENT PROJECT WITH THE COUNTY OF SAN DIEGO, ASSESSOR/RECORDER/COUNTY CLERK

Recommendation: That the Board authorize staff to file the Notice of Completion with the County of San Diego, Assessor/Recorder/County Clerk.

E. CONSIDER WAREHOUSE SUPERVISOR TITLE AND JOB DESCRIPTION REVISIONS; RESOLUTION NO. 4923

Recommendation: Staff recommends approving the Warehouse Supervisor job title change to Purchasing/Warehouse Supervisor and the proposed changes to the job description.

F. CONSIDER CLAIM FOR PROPERTY DAMAGE

Recommendation: That the Board deny the Claim for Property Damage by Mrs. Barr for her driveway and forward the Claim to the Association of California Water Agencies Joint Powers Insurance Authority for resolution.

President Gebhart requested that Item E and F be removed from the Consent Calendar for further discussion.

MOTION: Vice-President McDougal moved to approve the Consent Calendar as revised to exclude approval of Items E and F; Director Wolk seconded. Motion carried; **VOTE:**

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

President Gebhart requested that Item E be reviewed by the Personnel Committee and if no substantive changes are required to approve the Resolution No. 4923.

MOTION: Director Davies moved to approve staff's recommendation to adopt Resolution No. 4923 approving the Warehouse Supervisor job title change to Purchasing/Warehouse Supervisor, and the proposed changes to the job description, pending review and non-substantive changes by the Personnel Committee. If substantive changes are required, the item will be brought to the full Board at the next regularly-scheduled Board meeting; Vice-President McDougal seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

President Gebhart invited Mrs. Sheila Barr to the podium to give an overview of the damage at her property. Director Davies asked about the cost to fix the damage.

MOTION: Director Davies moved to fix the damage to Mrs. Barr's property internally before sending to JPIA; Director DeMeo seconded.

Acting General Manager Bebee mentioned that claims over \$10,000 are typically sent to the Association of California Water Agencies Joint Power Insurance Authority to handle.

MOTION: Director Davies moved to fix the damage to Mrs. Barr's property internally before sending to JPIA; Director DeMeo seconded. Motion failed; VOTE:

AYES: Directors Davies and DeMeo
NOES: Directors Gebhart, McDougal, and Wolk
ABSTAIN: None
ABSENT: None

MOTION: Director Davies moved that the Board deny the Claim for Property Damage by Mrs. Barr for her driveway and forward the Claim to the Association of California Water Agencies Joint Powers Insurance Authority for resolution; Vice-President McDougal seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

III. INFORMATION----- (ITEMS G-I)

G. INTRODUCTION OF NEW HUMAN RESOURCES MANAGER, LISA CHAFFIN

Presented by: Jack Bebee, Acting General Manager

Acting General Manager Bebee introduced Human Resources Manager Lisa Chaffin to the Board of Directors. Mr. Bebee invited the Directors to schedule a time to meet with Mrs. Chaffin through the Board Secretary.

H. BUDGET STATUS REPORT PRESENTATION

Presented by: David Shank, Assistant General Manager/Chief Financial Officer

Assistant General Manager/Chief Financial Officer Shank presented the Board with a PowerPoint presentation providing a mid-year budget status report for Fiscal Year 2017-2018.

I. PFM INVESTMENT PERFORMANCE

Presented by: Richard D. Babbe, Senior Managing Consultant

Mr. Richard Babbe, Senior Managing Consultant for PFM Asset Management, LLC, provided a slide show titled, "Investment Performance Review for the Quarter Ended December 31, 2017," relative to the District's investment portfolio. Mr. Shank advised the Board that PFM would be giving a quarterly overview on the performance of the District's investments. Director Wolk requested an improved summary of performance. Assistant General Manager/ Chief Financial Officer Shank identified that he is working on the performance summary with PFM Asset Management, LLC and a revised version will be provided.

IV. ACTION / DISCUSSION CALENDAR----- (ITEMS J-P)

J. CONSIDER RESERVE FUND UPDATES TO ARTICLE 15 OF THE ADMINISTRATIVE CODE; RESOLUTION NO. 4924

Recommendation: That the Board adopt Resolution No. 4924 to revise Article 15 of the Administrative Code to incorporate the newly-adopted fund structure.

Mr. Shank explained that the update to the administrative code was needed to provide clarification after the new rates passed. The Rate Study created a new fund structure which included new reserve funds as well as new target levels that needed to be added to the Administrative Code.

MOTION: Director Wolk moved to adopt Resolution No. 4924 to revise Article 15 of the Administrative Code to incorporate the newly-adopted fund structure; Vice-President McDougal seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk

NOES: None

ABSTAIN: None

ABSENT: None

K. CONSIDER ACCOUNTING SYSTEM REVIEW AND OPTIMIZATION

Recommendation: That the Board authorize staff to enter into a professional services agreement with Platinum Consulting Group at a not-to-exceed cost of \$60,000.

Director Wolk summarized the findings from the accounting system review that the Fiscal Policy & Insurance Committee had requested. The recommended solution of bringing on a consultant is the most cost and time effective method. Vice-President McDougal had questions regarding the consultant that were answered by Director Wolk and Mr. Shank.

MOTION: Vice-President McDougal moved to approve staff's recommendation; Director DeMeo seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk

NOES: None

ABSTAIN: None

ABSENT: None

L. CONSIDER AUTHORIZING AWARD OF THE HIGHWAY 395 24-INCH PIPELINE REPLACEMENT PROJECT TO WEKA, INC.

Recommendation: That the Board authorize award of the Highway 395 24-inch Pipeline Replacement Project to the apparent lowest responsible bidder of Weka, Inc. at an amount of \$460,727 if they are able to meet all District requirements.

Mr. Bebee explained that during a recent inspection, the Old Highway 395 24-inch pipeline was determined to have substandard structural supports. This particular pipeline is one of the main water supply pipelines for the District and reliable operation is critical. The project is intended to relocate the exposed portion to be buried under the road.

MOTION: Director Davies moved to approve staff's recommendation; Vice-President McDougal seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

M. CONSIDER AUTHORIZING AWARD OF DESIGN SERVICES FOR THE OVERLAND TRAIL LIFT STATION TO INFRASTRUCTURE ENGINEERING CORPORATION

Recommendation: That the Board award the planning and design of the rehabilitation of the Overland Trail Lift Station to Infrastructure Engineering Corporation for a total amount not to exceed \$252,842.

Acting General Manager Bebee explained that the Overland Trail Lift Station is in need of some improvements due to the increased wear on the station. Replacement parts are becoming more difficult to find and it was determined that structural and mechanical rehabilitation is required. This design service project is to determine what improvements should be completed and prepare the design for the project. This project is set to prioritize the improvements that are most vital. This is also to look at combining the two stations into one station.

MOTION: Director Davies moved to approve staff's recommendation; Vice-President McDougal seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

N. CONSIDER APPROVING AMENDED AND RESTATED AGREEMENT FOR THE OCEANSIDE OUTFALL

Recommendation: That the Board vote to approve the amended agreement to decrease District capital replacement obligations and reduce wastewater operations and maintenance costs.

Acting General Manager Bebee presented the Board with an amended and restated Agreement between the City of Oceanside and the District. This agreement is regarding the District's outfall and Oceanside's use of said outfall for their recycled water program. In exchange, the city of Oceanside would grant the District capacity in Oceanside's land outfall. This would allow the District to decrease capital replacement obligations and reduce wastewater operations and maintenance costs.

MOTION: Vice-President McDougal moved to accept staff's recommendation;
Director Wolk seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

O. CONSIDER REPLACEMENT OF 5TH WHEEL 3-AXLE TRACTOR

Recommendation: That the Board approve the purchase of one 5th wheel 3-axle day cab tractor for \$ 129,883.31 from San Diego Freightliner in order to maintain a reliable District fleet to complete necessary infrastructure repairs and replacement.

Acting General Manager Jack Bebee explained that this is a replacement for the existing tractor that is 26 years old and in poor condition. This replacement is based off the approved Vehicle and Heavy Equipment Replacement Program to ensure reliability of District's vehicles and equipment. This tractor is critical to bringing equipment to job sites. The vehicle was re-bid as an aluminum body per the suggestion of President Gebhart which saved approximately \$9,000.

MOTION: Vice-President McDougal moved to accept staff's recommendation;
Director Wolk seconded. Motion carried; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

P. CONSIDER ANNUAL REVIEW OF DIRECTORS' PER DIEM COMPENSATION

Recommendation: Staff supports Board direction.

V. **ORAL/WRITTEN REPORTS**-----**(ITEMS 1-8)**

1. General Legal Counsel

- Mrs. de Sousa Mills provided an update of legislation affecting water districts.

2. SDCWA Representative

- Mr. Bebee explained that his first SDCWA meeting was later in the week.
- He stated that at the manager meeting, the key point was about the relationship between MWD and SDCWA.

3. Acting General Manager / Assistant General Manager/District Engineer
 - a. Engineering Report Summary
 - b. Annual Production; Total Potable Production
 - c. Ag and M&I Sales; Recycled Water Production & Sales
 - d. 12-Month Running Water Sales
 - e. Meter Exchange; Backflow Testing
 - f. Sewer Overflow/Spills
 - Mr. Bebee pointed out the Safety Report for the past year and the award the District received.
4. Assistant General Manager/Chief Financial Officer
 - a. Treasurer's Report
 - b. Budget Status Report
 - c. Warrant List
5. Public Affairs Specialist
 - Mrs. Denke explained that the District will be publicizing WaterSmart over the next couple of months including outreach to customers with active meters.
 - Mrs. Denke and Mr. Bebee are working on outreach to various community groups.
6. Notice of Approval of Per Diem for Meetings Attended
7. Director Comments / Reports on Meetings Attended
 - Director DeMeo will present her report from the Colorado River trip at the February board meeting.
 - Director Wolk addressed some clean up of the Engineering Report.
8. Miscellaneous
 - a. President's Special Recognition Award from Association of California Water Agencies Joint Powers Authority
 - b. Safety: Risk Annual Report

ADJOURN TO CLOSED SESSION

The Board adjourned to Closed Session at 6:00 p.m. following an oral announcement of Closed Session Item VI., 1. by Mrs. de Sousa Mills.

VI. CLOSED SESSION

1. PUBLIC EMPLOYEE PERFORMANCE EVALUATION PER GC § 54957

- TITLE: ACTING GENERAL MANAGER

Acting General Manager Jack Bebee left the meeting at 6:28 p.m.

2. PUBLIC EMPLOYEE APPOINTMENT PER GC § 54957

- TITLE: GENERAL MANAGER (UPDATE ON AND DISCUSSION REGARDING GENERAL MANAGER RECRUITMENT)

RECONVENE TO OPEN SESSION

The Board returned from Closed Session and reconvened to Open Session at 6:34 p.m.

REPORT FROM CLOSED SESSION (*As Necessary*)

There was no reportable action taken in Closed Session.

VII. ADJOURNMENT OF MEETING


There being no further business to discuss, President Gebhart adjourned the regular meeting of the Board of Directors of the Fallbrook Public Utility District at 6:35 p.m.

President, Board of Directors

ATTEST:

Acting Secretary, Board of Directors

M E M O

TO: Board of Directors
FROM: Kelly Laughlin, Acting Secretary 
DATE: February 26, 2018
SUBJECT: Consider Excusing Director's Absence from a Prepaid Meeting

Purpose

To excuse Director DeMeo's absence from a prepaid meeting.

Summary

Director DeMeo requested she attend the Council of Water Utilities meeting on January 16, 2018, which requires a \$40 reservation fee to be paid in advance. The District made the reservation and paid the \$40 fee on behalf of Director DeMeo. On the day of the meeting, Director DeMeo was unable to attend due to traffic conditions on the 15.

Unexcused absences require the Director to reimburse the District for meetings that have been prepaid. Pursuant to Section 12.1.7 of the Administrative Code, the Board may take action to excuse a director's absence based on a written explanation.

Recommended Action

That the Board excuse Director DeMeo' absence from the Council of Water Utilities meeting on January 16, 2018, and not require Director DeMeo to reimburse the District the \$40 reservation fee paid on her behalf.

M E M O

TO: Board of Directors
FROM: Jennifer DeMeo, Director
DATE: February 26, 2018
SUBJECT: Council of Water Utilities Meeting for January 16, 2018

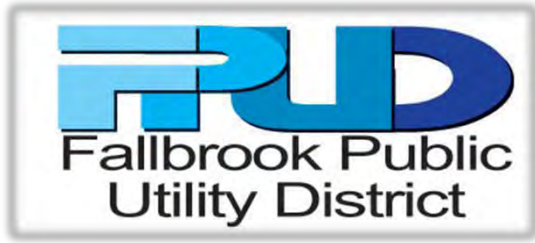
On January 16, 2018, I was unable to attend the Council of Water Utilities meeting that was prepaid by the District due to traffic congestion.

Please excuse my absence.



Jennifer DeMeo, Director
Fallbrook Public Utility District

**WATER RECLAMATION PLANT
OPERATIONS EFFICIENCY REPORT**



Fallbrook Water Reclamation Plant Operations Efficiency 2.26.18



DAVID DEEM (CHIEF PLANT OPERATOR)

OWNI TOMA (ENV. COMPLIANCE)

Chlorine Contact Tank

ATS on Utility
ATS on Standby



Disabled
Alarms

Lead Operator:
Logged In User:

Standby Phone
Guest



February 13, 2018 1:45:31 PM

Chlorine Room Monitor AIT-6711 0.00 PPM

Automatic
Control

Trends

Secondary
Turbidity

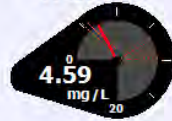


Filtered
Turbidity



CT Required Setpoint	1700 CT
CCT Actual Detention Time	265 DT

Swing Cl2
Residual

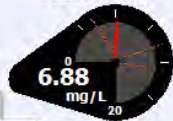


Swing Turbidity



Influent Actual Contact Time 1823 CT

Influent Cl2
Residual



Influent pH

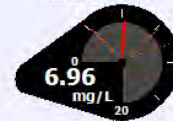


Effluent Actual Contact Time 1823 CT

Final Turbidity



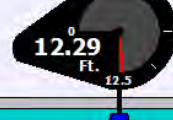
Final Cl2
Residual



Feed Rate 180.57 PPD

Chlorinators

Tank Level



Filter 1
Filter 2
Filter 3

Backwash Pump
Station

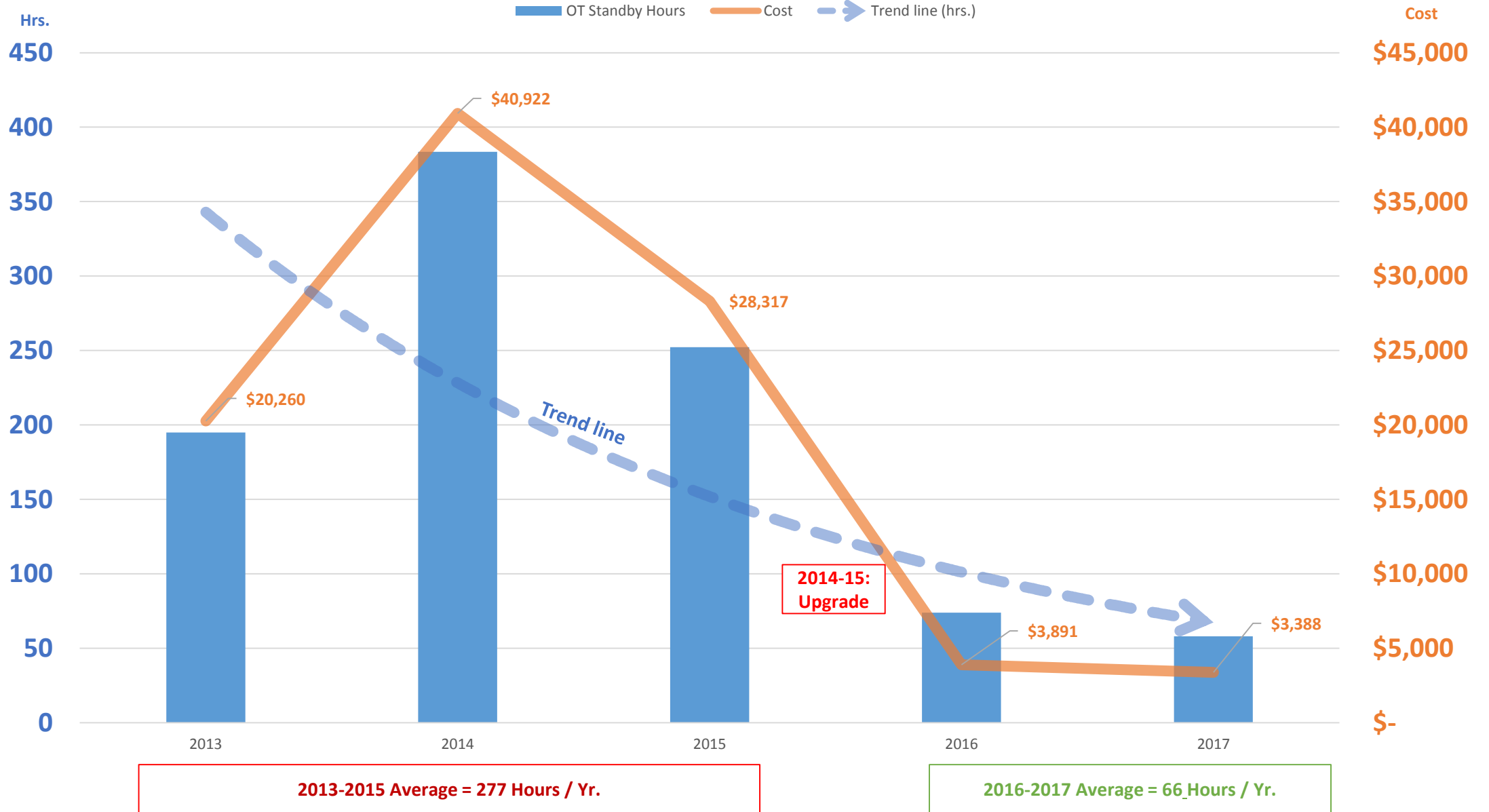
Recycled Water
Storage Basin

Effluent
Structure

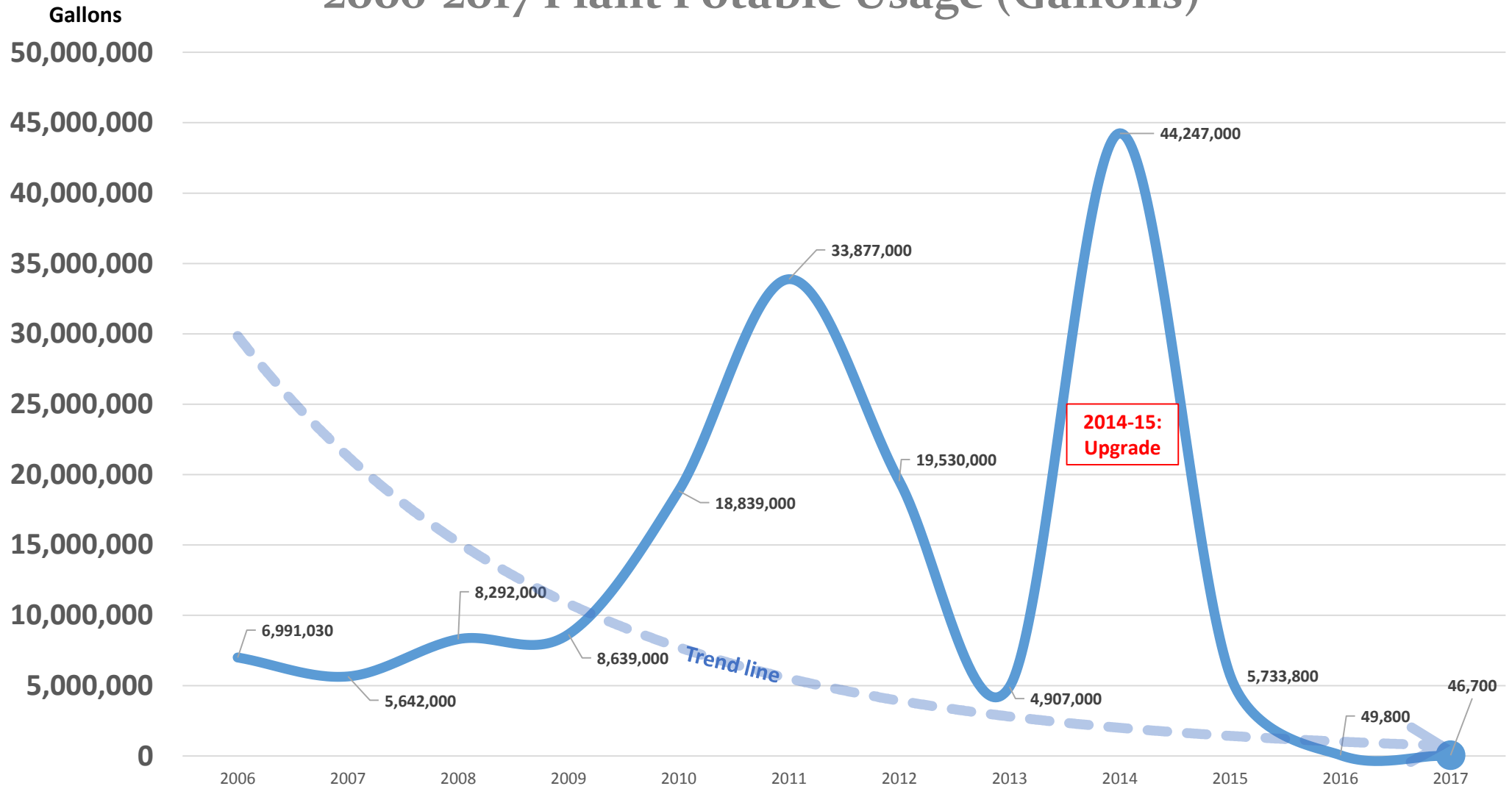
Reclaimed Water
Pump Station

Chlorine Contact Tank

2013-2017 WRP Overtime Hours & Cost



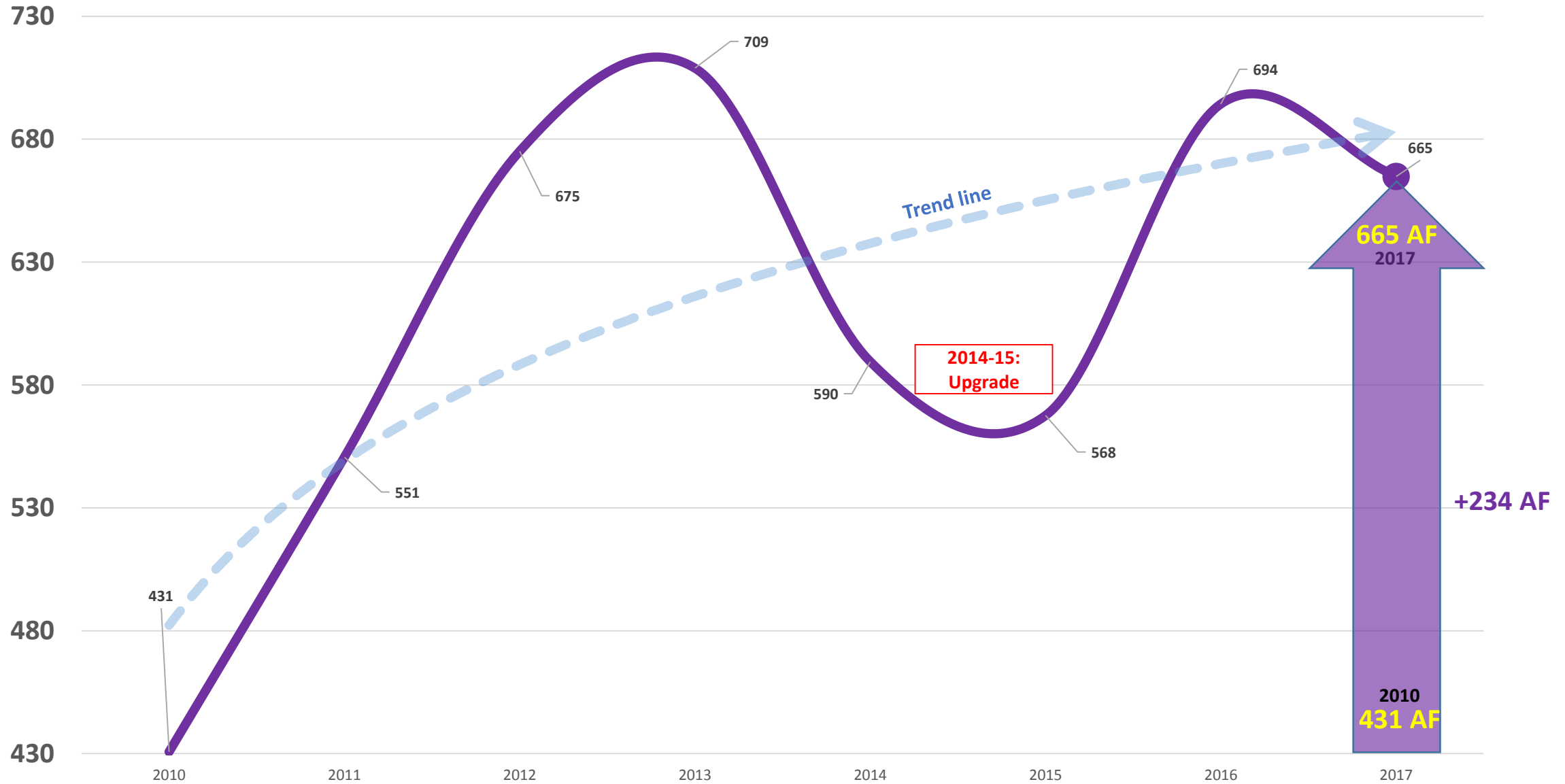
2006-2017 Plant Potable Usage (Gallons)



2015- Present: No makeup potable used

2010-2017 Net Recycled Water Sold (Acre-Ft.)

Acre-Ft.



2010-2017 Net Disposal /Outfall (Acre-Ft.)

Acre-Ft.

1600

1400

1200

1000

800

600

400

2010

2011

2012

2013

2014

2015

2016

2017

1,440

1,355

1,092

947

1,066

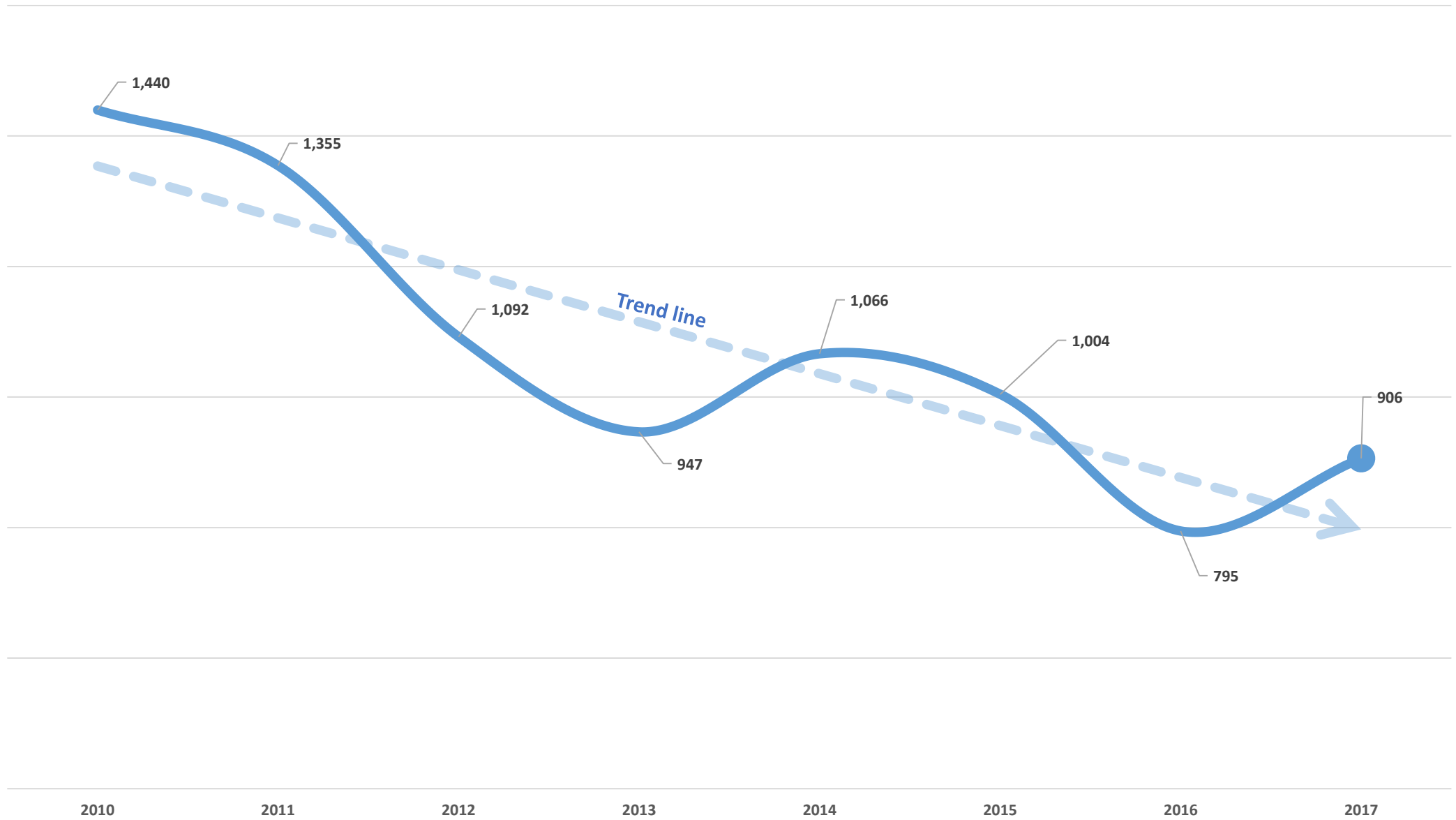
1,004

795

906

Trend line

025



2016 - 2017 Chlorine Usage & Lbs./ MG Treated

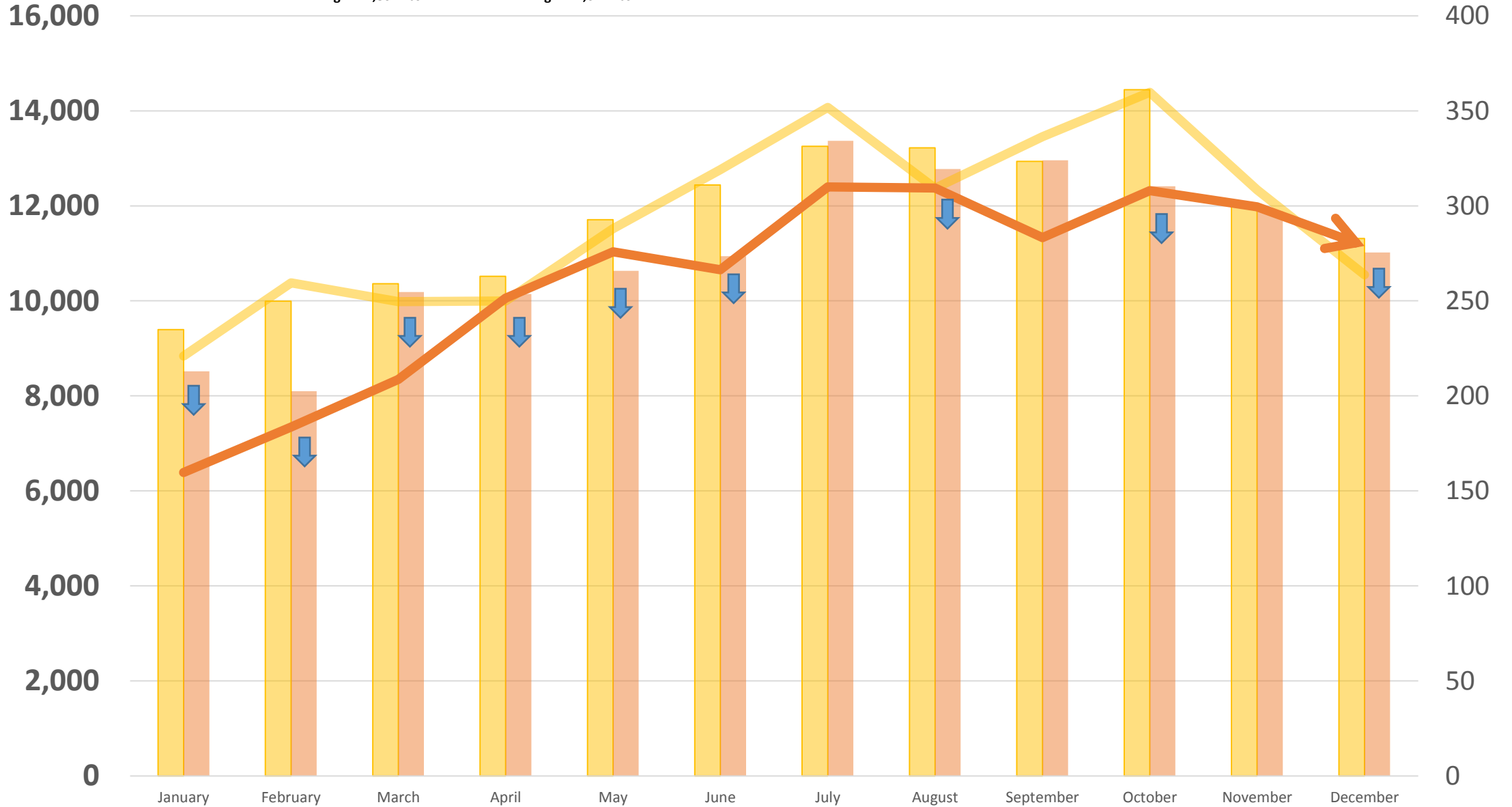
▬ 2016 Lbs Chlorine
 ▬ 2017 Lbs Chlorine
 ▬ 2016 Lbs Chlorine/ MG Treated
 ➔ 2017 Lbs Chlorine/ MG Treated

Avg. = 11,801 Lbs. Avg. = 11,077 Lbs..

Lbs. Chlorine / MG Treated

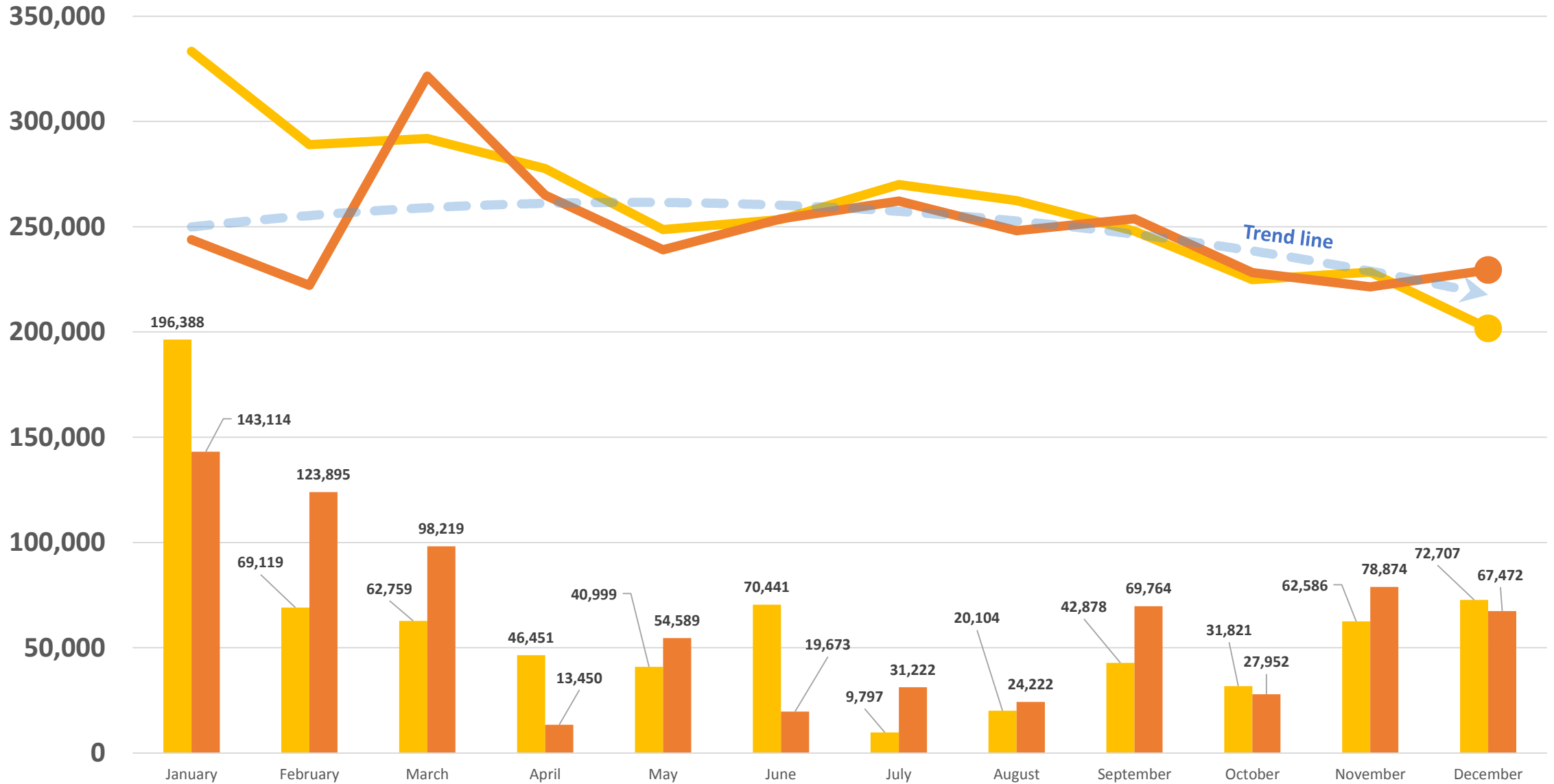
↓
 Avg. Decrease
 724
 lbs./yr.

026

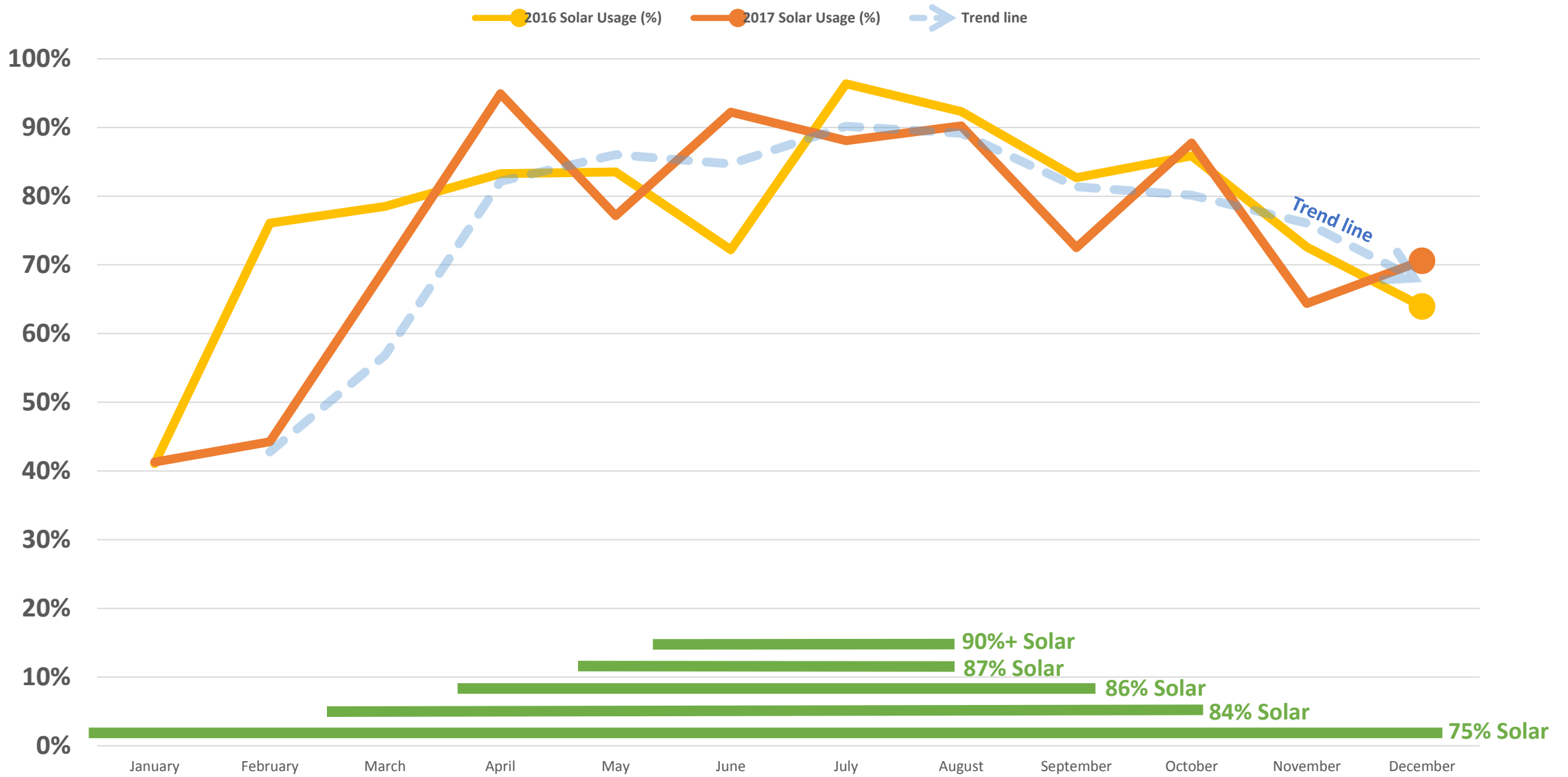


2016 - 2017 SDG&E Usage & Total Demand(kWh)

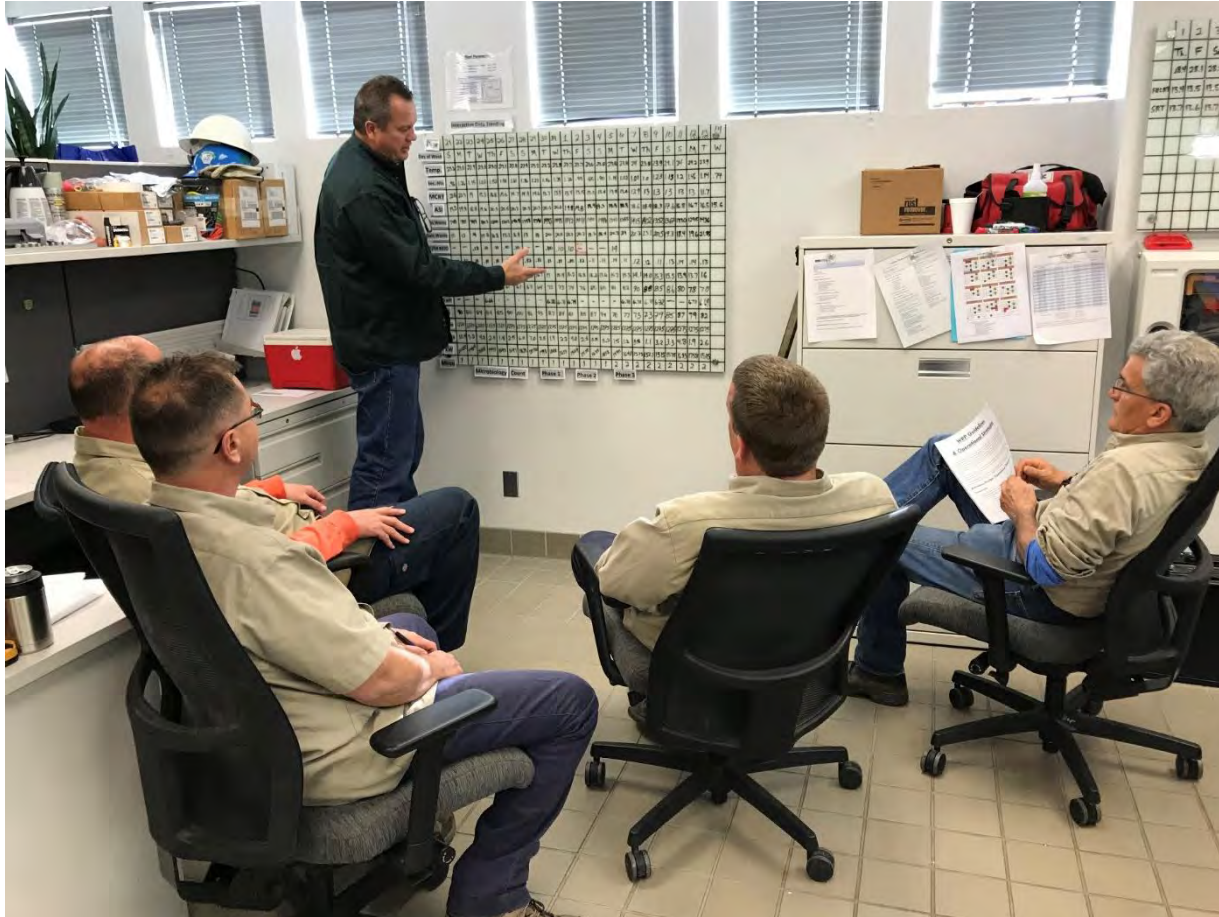
■ 2016 SDG&E Usage (kWh)
 ■ 2017 SDG&E Usage (kWh)
 ● 2016 Total Electric Demand (kWh)
 ● 2017 Total Electric Demand (kWh)
 - - - Trend line



2016 - 2017 Plant Total Energy Demand Met through Solar (%)



Interactive Data Trending



Date	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Day of Week	S	M	T	W	Th	F	S	S	M	T	W	Th	F	S	S	M	T	W	Th	F	S	S	M	T	W
Temp.	23.2	23.0	22.9	23.0	23.0	23.1	22.8	22.9	23.2	23.2	23.5	23.7	23.7	23.6	23.8	23.8	23.8	24	23.8	23.9	24.1	24	24.2	23.9	23.7
Sec. Ntu	.96	1.26	1.15	1.02	1.52	1.98	1.61	1.36	1.23	1.16	1.29	1.26	.95	.80	.90	1.14	1.02	1.01	1.0	1.23	1.15	1.2	1.46	1.14	.74
MCRT	20.8	22.3	19	17.7	16.8	15.6	14.7	14.9	14.6	15.7	13.9	13.4	13.5	13.5	13.4	13.4	12.9	13	13	13	13	13	11.7	13.25	
ASI	17.2	17.9	18.8	19.6	20.3	20.5	20.7	20.3	20.3	20.3	19.8	19.8	19.4	19.3	18.9	18.9	18.6	18.4	18.3	17.6	16.8	16.7	16.5	15.6	
Lbs.Waste	749	795	984	1103	1200	1303	1404	1359	1391	1445	1443	1442	1441	1400	1446	1341	1355	1415	1402	1352	1367	1330	1296	1436	1219
Gals.Waste	10	12	14	15.8	16.9	17.3	16.9	17	18	20	20.5	21.3	20.3	19.3	18.4	20.7	21	22.7	23.1	20.5	19.3	18.4	19.6	21.85	21
F/M BOD	-	-	.12	.10	.10	.10	-	-	.10	.10	.10	.10	.12	.11	.13	.14	.11	.12	.12	.11	.13	.14	.13	.13	
F/M COD	.13	.12	.11	.11	.11	.10	.11	.12	.11	.11	.11	.10	.12	.11	.13	.14	.11	.12	.12	.11	.13	.14	.13	.13	
Sec. Nitrate	18.2	17.4	16.5	16.1	15.1	17	18.1	17.4	16.7	17	15.4	16.2	16.8	16.2	13.6	15.2	15.3	14.1	14.0	15.3	15.5	13.9	13.7	16	18.1
SVI	56	62	62	64	61	61	61	67	64	72	73	74	76	80	80	81	82	90	88	85	86	80	78	70	67
MLSS pH	-	-	-	6.66	-	-	-	-	6.72	6.71	6.71	-	-	-	6.78	6.71	6.71	6.72	-	-	6.71	6.64	6.69	-	-
RAS	90	80	84	84	85	90	100	96	93	87	84	81	85	87	94	78	77	73	73	79	85	87	79	82	69
Return Rate	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275
Ammonia 18	10.5	3.3	4.0	2.0	1.8	2.5	6.0	7.0	2.5	1.9	2.3	4.0	2.5	5.5	5.2	1.5	1.2	3.8	1.1	3.2	3.3	4.8	1.9	2.6	1.6
kW	2022	1764	1045	1111	1193	1047	1829	2034	1790	1068	1633	1569	1530	1635	1012	1595	1640	1573	1521	1515	1578	1693	1758	1515	1275
Mirco	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2

M E M O

TO: Board of Directors
FROM: Jack Bebee, Acting General Manager
DATE: January 30, 2018
SUBJECT: Review of Pipeline and Valve Replacement Needs and Capital Improvement Charge PS

Purpose

To provide the board an update on the Pipeline and Valve Replacement Program and Water Capital Improvement Charge.

Summary

In 2010, the Board initiated the development of an asset management/replacement plan for buried water and sewer pipelines and appurtenances. The District owns approximately 270 miles of water pipelines with 6800 valves, 80 miles of gravity sewer and forcemains, and a 23 mile outfall. In 2010, the District had budgeted approximately \$300,000 a year for replacement of District water pipelines and at this budgeted amount, the time to complete the water system replacement was over 500 years.

The District formed in the 1940s and some pipelines are over 70 years old. Many of these lines are starting to fail which results in emergency water outages and property damage. In order to ensure the long-term reliability of the system, the District developed a replacement plan to meet an overall replacement target of the buried infrastructure of 100 years. The average useful life of the buried pipelines is 80-100 years, but some last longer or fail sooner based on quality of materials and installation.

The Board adopted a Capital Improvement Charge (CIC) to help fund the pipeline replacement needs. In accordance with the District's administrative code, the fee will be reviewed with the Board every five years.

The District recently updated its valve and pipeline replacement analysis to help prioritize overall replacement needs. This analysis looks at the criticality of the pipeline, the age and leak history to help prioritize replacement needs. The miles of pipe by size to replace each year is identified and an updated unit cost for replacement is used to develop the overall replacement budget for different twenty year time periods over the next 100 years.

A summary of the updated projected annual required replacement cost over these different 20 year time periods is shown in Figure 1. As shown in Figure 1, over the next 20 years the annual required replacement is approximately \$1.9 million dollars in 2017 dollars. This amount required grows to \$3.4 million annually in 2017 dollars from 20-40

years and then to \$5.2 million annually in 2017 dollars for 40-60 years before beginning to drop back down.

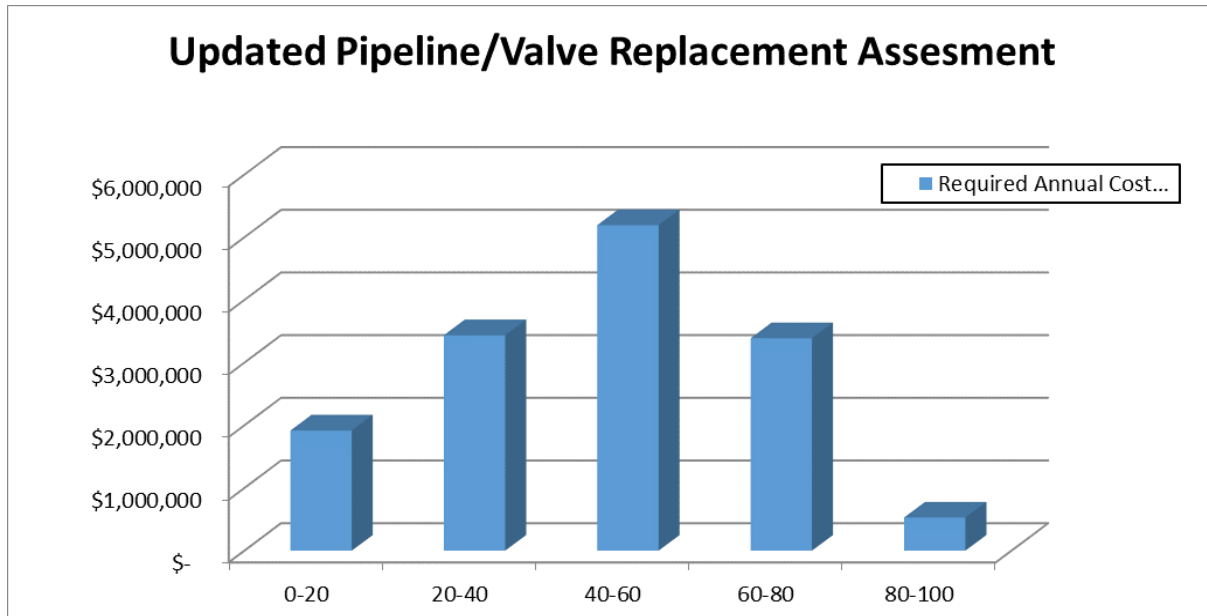
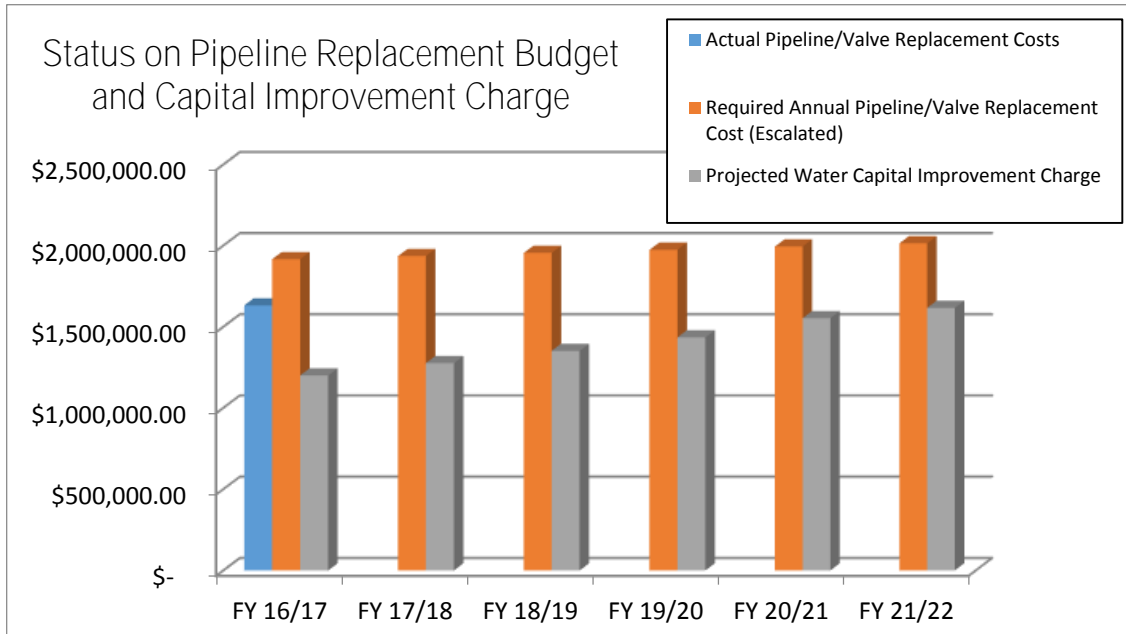


Figure 1 – Required Annual Cost for Pipeline and Valve Replacement in 2017 dollars

The Board established an escalation rate in the CIC of 3% over an inflation index (Engineering News Record Construction Cost Index – Los Angeles) to help make sure the CIC is escalated to help fund increased capital needs. A summary of the past amount spent on pipeline and valve replacements in FY 16/17 along with the amount required per the replacement assessment and the projected CIC are included in Figure 2. As shown in Figure 2, the actual expenditure for valve and pipeline replacement was \$1.6 million. The overall replacement need per the assessment study was \$1.9 million and the water CIC revenue was approximately \$1.2 million. Per District policy, the CIC is allocated to help fund water capital projects. A projection of the anticipated CIC revenue based on the adopted escalation rate along with projected capital needs escalated at 1% for inflation is shown in Figure 2. This shows that the CIC revenue will continue to fund a portion of the replacement needs and the current adopted CIC escalation is appropriate to continue to help fund capital improvements needs. The current CIC and adopted escalation rate is consistent with the Board approved cost of service study and rates.




The CIC will continue to be reviewed on a five-year basis per the administrative code. Over the next several years, the approach used in the pipeline and valve replacement study will be updated to include the following:

- Review of soil data to help identify potentially corrosive areas
- Development of a program to include visual and destructive testing of pipe materials to prioritize pipelines in higher risk of failure.
- Update unit costs and end of life projections based on materials.

Recommended Action

This item is for information only. No action is required. An update on the sewer CIC will be brought to the Board in the next few months.

M E M O

TO: Board of Directors
FROM: Jack Bebee, Acting General Manager 
DATE: February 26, 2018
SUBJECT: Presentation of the Proposal received from The Wildlands Conservancy on the Preservation of the Santa Margarita Property

Purpose

To provide information on the proposal received by The Wildlands Conservancy for the preservation of the Santa Margarita Property ("Property").

Summary

In September 2017, the District issued a Request For Proposals (RFP) for Sale, Transfer, or Other Arrangement for the District's Santa Margarita River Property. One Proposal was received from The Wildlands Conservancy (TWC), which is attached. TWC is a California private non-profit entity that's mission is to provide opportunities for passive recreation and education, free to the general public. The key components of the proposal from TWC are:

1. Use of \$10 million of funds allocated in Proposition 68 , California Drought, Water, Parks, Climate, Coastal Protection and Outdoor Access For All Act of 2018 (Formerly SB-5) to help fund acquisition of Santa Margarita River Property from the District.
2. Management of Property by TWC in accordance with the submitted Integrated Resource Management Plan Developed which includes:
 - a. Granting a trail easement to the Fallbrook Trails Council prior to the close of escrow.
 - b. Maintaining the existing 18 miles of trails
 - c. Protecting sensitive plants and animals on the property
 - d. Developing a fire management plan

Recommended Action

This item is for information only. The Board will discuss potential price and terms of the proposal in closed session. No action is necessary at this time.



THE WILDLANDS CONSERVANCY

Behold the Beauty

January 4, 2017

Board of Directors

Fallbrook Public Utility District

990 E. Mission Road

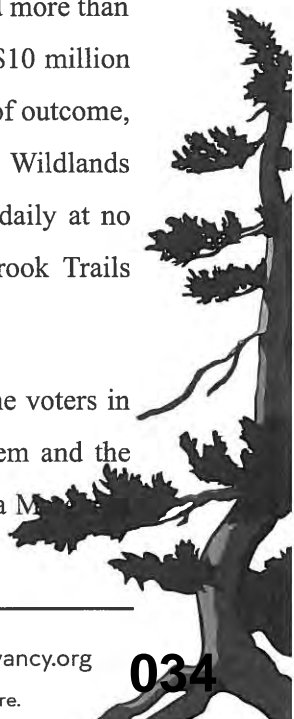
Fallbrook, CA 92028

Members of the Board:

It has been The Wildlands Conservancy's privilege to work with the Fallbrook Public Utility District, Fallbrook Trails Council, and local community members over the past 18 months, exploring potential funding sources that would accomplish our collective goals for the District's Santa Margarita River property. Our mutual goal is for this Property to carry into the future the benefits it provides today, including free public access to almost twenty miles of multiuse trails for hikers, horseback riders, and mountain bikers, a magnificent natural setting for reflection and inspiration, an outdoor classroom for kids, and the preservation of a spectacular remnant of California's natural heritage.

Over the past year, Wildlands has dedicated a full-time staff person to this project and provided more than \$360,000 in funding to support the passage of SB 5—the June 5th ballot initiative earmarks \$10 million for the Santa Margarita River. We have made this commitment without contract or guarantee of outcome, trusting that no organization, for-profit or nonprofit, is a better fit for this project than The Wildlands Conservancy—one need only visit our preserves throughout California, open to the public daily at no charge, to agree. Over the past year we have also completed, in collaboration with Fallbrook Trails Council, a draft management plan for the Property.

It is important to consider the funding source for this project, which will be placed before the voters in June. Californians have passed the vast majority of park and water bonds placed before them and the amount of this bond act was cut in half to gain the governor's active support. In SB 5, Santa M



River is called out under the California State Coastal Conservancy “River Parkway” funding, the most advantageous funding source for recreation trails. This is the same funding source that allowed Wildlands to partner with three counties and 12 cities to work toward completion of the 110-mile Santa Ana River multiuse trail, stretching from the San Bernardino Mountains to the Pacific Coast. The Santa Ana River Parkway received \$45 million from Proposition 84 through “River Parkway” funding. I am the vice-chairman of the Santa Ana River Policy Advisory Group, comprised of county supervisors, mayors, and city council members from Orange, Riverside, and San Bernardino Counties, republicans and democrats alike, which can testify to the compatibility of using State Coastal Conservancy River Parkway funding to build a multiuse trail.

The Wildlands Conservancy is confident we will be granted funding for the acquisition and stewardship of the Santa Margarita River Property this year with the passage of SB 5 on June 5th, and we thank the Fallbrook Public Utility District for your partnership over the past year and a half, as well as your thoughtful consideration of the enclosed proposal.

Sincerely,

A handwritten signature in black ink that reads "David Myers". The signature is written in a cursive, flowing style.

David Myers

Executive Director

Proposal by The Wildlands Conservancy for Acquisition and Long-Term Stewardship of Santa Margarita River Property

1. Compensation to be provided to the Fallbrook Public Utility District for sale, transfer or other arrangement.

10 million dollars

2. Terms and conditions of the sale, transfer or other arrangement. Proposals should meet District goals for the property which include:

- Preserve the existing 18-mile trail system in its entirety.
- Maintain year round access to the property for passive recreational usages.
- Preserve the property from development.
- Operate the property consistent with the District's existing rules and requirements (Appendix A, Integrated Resource Management Plan).

Property Management

The Wildlands Conservancy (TWC) and Fallbrook Trails Council (FTC) has prepared a draft management plan that meets all of the above mentioned goals provided by the District. In addition, the draft management plan describes the combined vision of TWC and FTC for the ongoing management of the property. The property will be protected from development and the trails will remain open and accessible for the general public as they have been used for decades. Please see the attached draft Integrated Resource Management Plan (Attachment A).

Terms of the sale

TWC successfully advocated for an earmark of \$10 million in SB-5, *California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018*, for the Santa Margarita River Property and is working with its consultant Conservation Strategies Group (CSG) to have the funding released in the first round of SB-5 bond sales in summer 2018. TWC is also on the SB-5 steering committee to pass the bond and has already spent \$300,000 of its own funding toward its passage.

3. Detailed summary:

a. Proposer Ownership Information

i. Principals

See Attachment B

ii. Ownership Structure

The Wildlands Conservancy is a California private nonprofit public benefit corporation that provides opportunities for passive recreation and education, free to the general public. (See Attachment C for organizational chart)

b. Experience

Over the past twenty-two years, TWC has established the largest nonprofit nature preserve system in California, comprised of fifteen preserves encompassing 143,000 acres of diverse mountain, valley, desert, river, and oceanfront landscapes. These preserves are open to the public free of charge for passive recreation, including camping, hiking, horseback riding, picnicking, birding, and more. In addition, TWC has preserved over 800,000 acres of land with private funds—more than any other organization. TWC was instrumental in the designation of Southern California’s largest National Monument: Mojave Trails National Monument. TWC provides the largest free outdoor education program in Southern California serving more than 60,000 children per year.

i. Description of completed projects similar to Santa Margarita River Property, owned and operated by The Wildlands Conservancy.

Santa Margarita River Trail Preserve would be one of TWC’s keystone preserves. We have several such popular and impactful preserves throughout California, which demonstrate unique and diverse habitat, varying visitation, and national park quality facilities:

1. Oak Glen Preserve

- a. Acres: 909
- b. Year Acquired: 1996
- c. Hours of Operation:
 - i. November - March: 8 am to 4:30 pm
 - ii. April - October: 8 am to 5:30 pm
 - iii. Closed Thanksgiving and Christmas
- d. Amenities: paved parking lot, native botanic garden, children’s outdoor discovery center, 1 year-round pond with floating dock, 1 seasonal pond, three restrooms, multiple picnic areas, visitor center and ranger station, dry group campground, staffed information kiosk

- e. Miles of Trails: 4.7
- f. Annual Visitation: 500,000
- g. Number of Staff: 13
- h. Recreational Opportunities: hiking, picnicking, birdwatching, limited group camping, free interpretive programs and guided walks
- i. Outdoor Education Field Trip Numbers: 150,000

2. Pioneertown Mountains Preserve

- a. Acres: 25,500
- b. Year Acquired: 1995
- c. Hours of Operation: daily, sunrise to sunset
- d. Amenities: gravel parking lot, restroom, covered picnic area, ranger station, 21,000-acre wilderness
- e. Miles of Trails: 19.5 miles
- f. Annual Visitation: 4,000
- g. Number of Staff: 2
- h. Recreational Opportunities: hiking, horseback riding, picnicking, birdwatching, free interpretive programs and guided hikes

3. Whitewater Preserve

- a. Acres: 2,851
- b. Year Acquired: 2006
- c. Hours of Operation:
 - i. Daily, 8 am to 5 pm.
 - ii. Closed Thanksgiving, Christmas, New Years.
- d. Amenities: paved parking lot, restrooms, visitor center and ranger station, wading pond, covered picnic area, campground
- e. Miles of Trails: 1.5
- f. Annual Visitation: 150,000
- g. Number of Staff: 5
- h. Recreational Opportunities: hiking, picnicking, birdwatching, tent camping, free interpretive programs and guided hikes, access to the Pacific Crest Trail, gateway to Sand to Snow National Monument
- i. Outdoor Education Field Trip Numbers: 40,0000 (all desert preserves)

4. Wind Wolves Preserve

- a. Acres: 93,000
- b. Year Acquired: 1996

- c. Hours of Operation:
 - i. November - March: 8 am to 5 pm
 - ii. April - October: 8 am to 6 pm
 - iii. Closed Independence Day, Thanksgiving, Christmas, New Years.
- d. Amenities: gravel parking lot, visitor center and ranger station, three picnic areas, one individual campground, two group campgrounds, five restrooms, covered picnic areas, interpretive displays
- e. Miles of Trails: 20+
- f. Annual Visitation: 50,000
- g. Number of Staff: 15
- h. Recreational Opportunities: hiking, mountain biking, horseback riding, tent camping, picnicking, birdwatching, free interpretive programs and guided hikes.
- i. Outdoor Education Field Trip Numbers: 177,000

c. Financial Capacity

i. Information regarding capitalization and financial strength indicating capability to purchase, transfer or complete other arrangements and preserve the property.

1. TWC holds \$138 million in assets with no debt and is fully capable of funding the long-term stewardship of the Santa Margarita River Property.
2. The \$10 million dollars earmarked for the Santa Margarita River Property in SB-5 is to be made available to TWC in the late summer of 2018 through a Coastal Conservancy grant.

SANTA MARGARITA RIVER TRAIL PRESERVE

INTEGRATED RESOURCE MANAGEMENT PLAN



Prepared by:

THE WILDLANDS CONSERVANCY

January, 2018



SANTA MARGARITA RIVER TRAIL PRESERVE INTEGRATED RESOURCE MANAGEMENT PLAN

Prepared by:

The Wildlands Conservancy
39611 Oak Glen Road
Oak Glen, CA 92399

in cooperation with

Fallbrook Trails Council
P.O. Box 2974
Fallbrook, CA 92088

January 2018

**Santa Margarita River Trail Preserve
Draft Integrated Resource Management Plan**

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List of Common Acronyms

CDFW-	California Department of Fish and Wildlife
CNPS-	California Native Plant Society
DoD-	Department of Defense
FPUD-	Fallbrook Public Utility District
FTC-	Fallbrook Trails Council
MCBCP-	Marine Corps Base Camp Pendleton
SDMMP-	San Diego Management and Monitoring Program
SDSU-	San Diego State University
TWC-	The Wildlands Conservancy
USFWS-	United States Fish and Wildlife Service
USGS-	United States Geologic Survey
CNDDDB-	California Native Diversity Database
CUP-	Conjunctive Use Project
CWA-	Clean Water Act
IRMP-	Integrated Resource Management plan
LBVI-	Least Bell's Vireo (<i>Vireo bellii pusillus</i>)
MSCP-	Multiple Species Conservation Plan
MSP-	Management and Monitoring Strategic Plan
NCCP-	Natural Communities Conservation Planning Program
REPI-	Readiness and Environmental Protection Integration Program
SMER-	Santa Margarita Ecological Reserve
SMR-	Santa Margarita River
SMRTP-	Santa Margarita River Trail Preserve

I. Introduction

A. Purpose of Acquisition

The Wildlands Conservancy (TWC) is acquiring the Santa Margarita River Property in order to protect the natural environment for conservation and recreational purposes in perpetuity. TWC will conduct land-based conservation through a variety of long-term stewardship efforts that aim to preserve and enhance the natural resources and protect the cultural resources of the property. Additionally, the Santa Margarita River Property will continue to provide the public with access to a natural open space for low-intensity, passive, non-motorized recreational opportunities.

B. Acquisition History

Fallbrook Public Utility District (FPUD) has owned the Santa Margarita River Property since the 1950s. Throughout that time, FPUD has allowed public access to the property, subject to certain restrictions. The property contains a trail system dating to the 1950s or before that is used, with FPUD approval, by birders, equestrian riders, hikers, mountain bikers, naturalists and the general public alike. Having recently determined that the property is not required for utility purposes, FPUD is seeking to divest ownership, as a utility district they do not have activated powers for recreation or any revenue outside of water/sewer rates, so they are unable to fund recreation and fully fund the necessary on-site enforcement of the regulations.

In preparation for the transfer of the Santa Margarita River Property, TWC has prepared this management plan, which will guide the long-term management of the property. Since there are multiple resource elements that will require the attention of the managers at the property, an Integrated Resource Management Plan (IRMP) has been developed in collaboration with FPUD, Fallbrook Trails Council (FTC), and TWC to comprehensively address the broad suite of management issues. The major resource elements that will be addressed in this IRMP include natural resource conservation, cultural resource protection, recreational resource management, infrastructure and maintenance operations.



The Wildlands Conservancy Santa Margarita River Acquisition San Diego County, CA

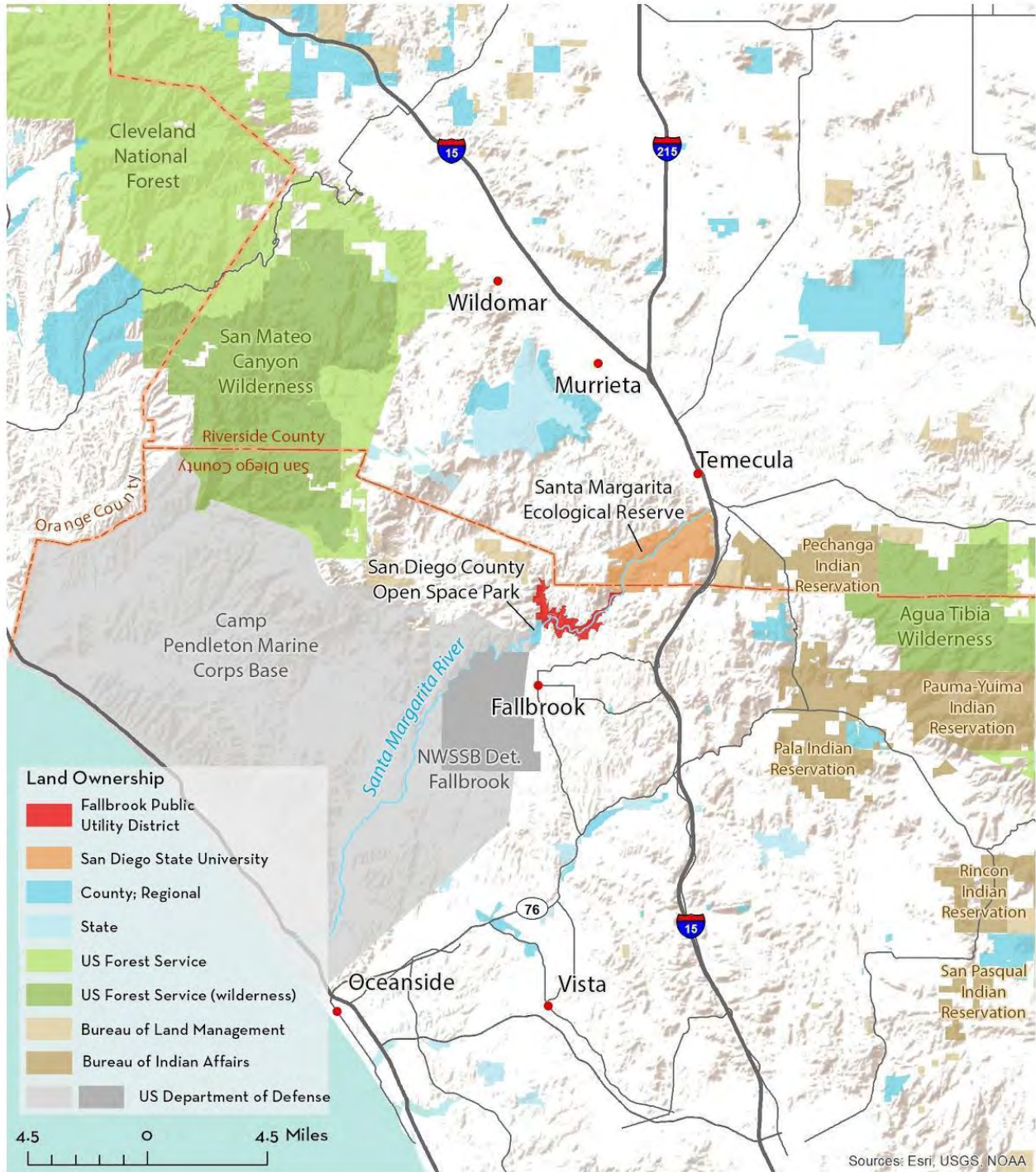


Figure 1. Overview map of the property's regional location

C. Purpose of this Integrated Resource Management Plan

1. The Integrated Resource Management Plan (IRMP) provides the guiding vision for the long-term stewardship of the Santa Margarita River Preserve.
2. The IRMP describes the natural and cultural resources of the property.
3. The IRMP addresses specific conservation goals, objectives, management strategies, monitoring and outreach programs for the protection of habitat, sensitive wildlife species, cultural resources, and physical environmental elements of the property.
4. The IRMP describes the existing recreational use occurring on the property, and addresses the management goals and strategies for managing recreational use in such a manner that contributes to restoration and enhancement of the natural resources while retaining existing recreational resources.
5. The IRMP addresses the maintenance operations and implementation plans for managing of the preserve.

II. Property Description

A. Regional Geographic Setting

The property is situated within the middle reach of the Santa Margarita River (SMR) watershed, which encompasses 738 square miles and includes 949 miles of stream between the river and its tributaries. At 27 miles in length, the SMR is the longest free flowing river on the southern California coast. Of the total watershed area, approximately 27% is within San Diego County and the remainder is in Riverside County. The SMR watershed provides one of the greatest remaining expanses of largely undisturbed riparian corridor in coastal southern California. As a result, the greater watershed serves as valuable habitat, providing a diversity of vegetative and aquatic habitats that support numerous plants and animals, including 500 plant species, 236 bird species, 52 mammal species, 43 reptile species, 26 fish species and 24 species of aquatic invertebrates. With 7 federal or state listed endangered or threatened species, and more than 60 other species listed by the state and other groups as having special concern, the SMR watershed is considered to be of high ecological importance. Increasing development and large-scale land use changes upstream and potential impacts to downstream ecosystems, however, are of increasing concern. The upper watershed includes some of the fastest growing urbanized areas in California (Cardno, 2013).

The northeast corner of the property is within a quarter mile of the border between San Diego County and Riverside County; the Community of De Luz Heights lies to the west; the San Diego State University Santa Margarita Ecological Reserve lies to the northeast and the San Diego County Santa Margarita Preserve lies to the southwest.

The approximately 1,384-acre property is composed of 34 parcels (Appendix A). The property is located in Section 36 of Township 8 South, Range 4 West; Sections 4,5,6,7,8,9 and 17 of Township 9 South, Range 3 West; and Sections 1 and 12 of Township 9 South, Range 4 West of the U. S. Geologic Survey (USGS) 7.5 minute Fallbrook and Temecula quadrangle maps.

B. Property Boundaries and Adjacent Land Use

The property is bound by a mix of rural residential development, agricultural use land, open space protected areas, and undeveloped land. Specifically, the southwest corner of the property lies approximately one-half mile northeast of the intersection of Del Luz Road and Sandia Creek Drive, in the northern portion of Fallbrook, an underserved community. According to the County of San Diego Planning Department, the property is zoned for Open Space Use (EEL, 2016). Along the Santa Margarita River, both up and down river, two conservation properties adjoin the site. All together the three open space areas extend over an eleven-mile reach (See figure

2). Upriver from the site a 4,344-acre open space known as the Santa Margarita Ecological Reserve, managed by San Diego State University, provides protected sites for research and education on Southern California ecosystems. The reserve lies on the Riverside/San Diego county line between Temecula and Fallbrook. Downriver from the site a 221-acre open space known as the Santa Margarita Preserve, managed by the County of San Diego, is part of the draft North County Multiple Species Conservation Plan, and provides pedestrian and equestrian trail access to visitors. Visitors to the San Diego Santa Margarita Preserve use trail access to connect with the existing trails on the subject property. The subject property is located within a key wildlife corridor that spans the area between the coastal Santa Ana Mountains, encompassing Marine Base Camp Pendleton, and the southeastern portion of the Santa Margarita River headwaters that lie on the northwestern slopes of Palomar Mountain within the Cleveland National Forest.

A central component of this land acquisition transfer is the protection of 1,384-acres of land for natural resource conservation purposes in perpetuity. By securing conservation of the property, this preserve will provide natural resource protection and wildlife connectivity between not only the adjacent open space properties but also, will contribute to the larger landscape level efforts to conserve an ecologically important wildlife corridor known as the Palomar Mountain to Santa Ana Mountain Connection (South Coast Wildlands, 2008). Preserving the Santa Margarita River Valley as a wildlife corridor is essential to protecting the ecological integrity of a significant portion of the California South Coast Ecoregion. Providing wildlife with refuge from anthropogenic pressures such as habitat loss, habitat fragmentation, pollution and other prominent disturbances and threats allows those species to avoid being harmed, and in some cases from going extinct. Wildlife corridors allow for the free movement of plant and animal species over time, enabling species to be more resilient when responding to human activities, climate change, disease outbreaks and competition. The unique types of habitats found along this reach of the Santa Margarita River, notably riparian areas, are important to the survival of a number of wildlife species and support critical habitat for sensitive and endangered species.

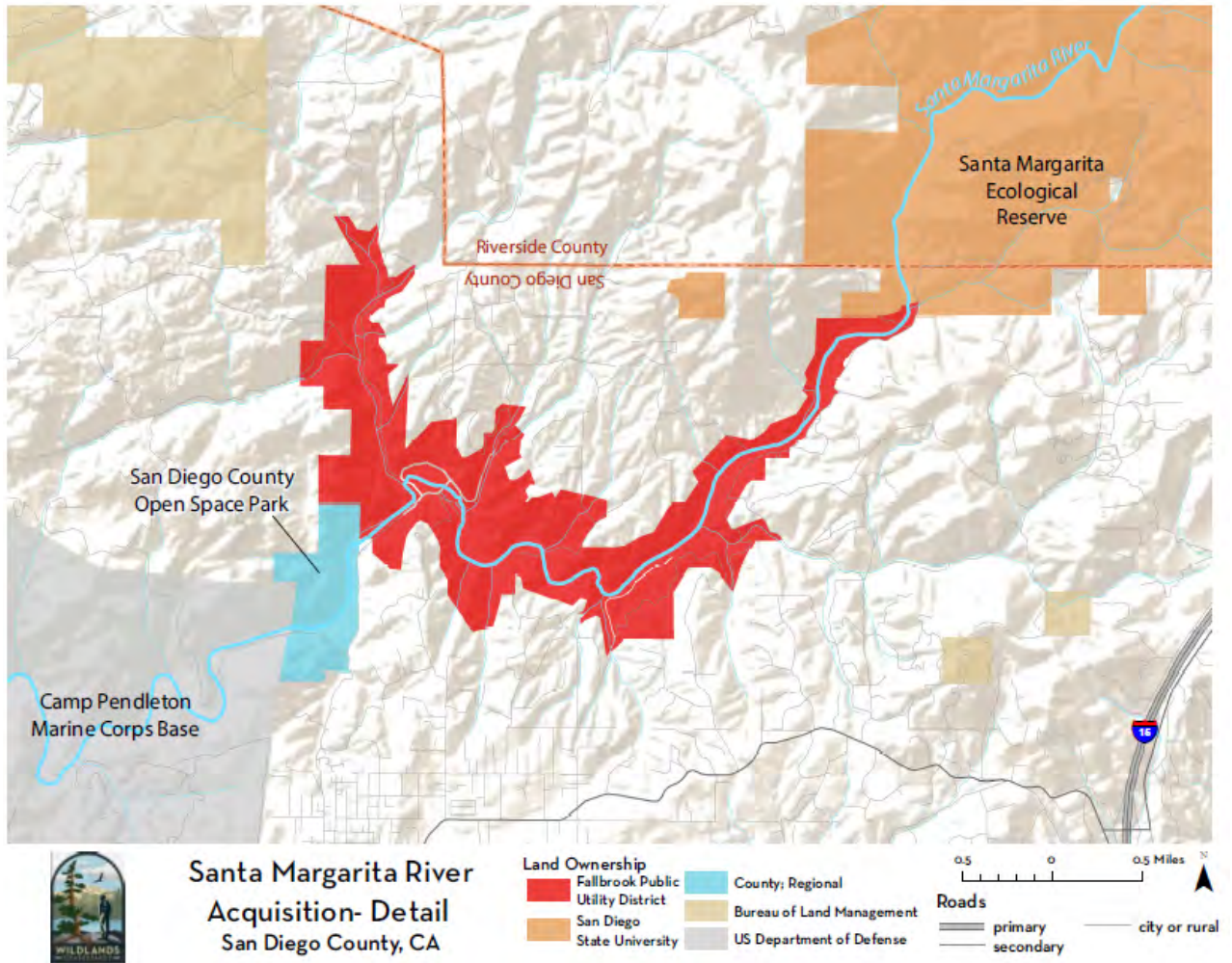


Figure 2. Map of the property and nearby protected areas

The property presents both a tremendous opportunity and a unique challenge for the project partners, TWC, FTC, and Coastal Conservancy. While its location within the natural landscape by itself would make the property a critical target for protection, its value as a stronghold for wildlife within a relatively urbanized area only increases the importance of conservation. The Santa Margarita River’s history of public access calls for on-site stewardship that will not only encourage public education and improved access to a valued riverine open space within disadvantaged communities, but also to provide the guidance and support to preserve and enhance the exceptional recreational resources of the property. The Wildlands Conservancy, in collaboration with the Fallbrook Trails Council, stands ready to address the challenges of managing the public’s use of the property and balancing that use with the protection of the natural environment.

C. Geology, Soils, Climate, Hydrology

The confluence of Murrieta and Temecula Creeks join to form the Santa Margarita River on the Santa Margarita Ecological Reserve. Geologically, the Santa Margarita River has persisted within a relatively confined space for around 70 million years. The river is confined within the canyon formed by a weakened interface between the Bedford Canyon Formation and Woodson Mountain Formation (Abbot, 1999). The riverine environment provides habitat for aquatic species and gives rise to a lush riparian forest in an otherwise semi-arid landscape.

A variety of distinct soil units occur throughout the Santa Margarita River Valley. On the property, in particular, two soil units are most abundant. Several Cieneba soil series, which are derived from granitic parent material, compose the vast majority of soil units found on the property. Cieneba and Vista soil units support the chaparral plant communities that occur outside of the riparian area. Riverwash is the second most prominent soil unit on the property. Riverwash is a collection of soil materials transported and deposited by a river. On the Santa Margarita River, riverwash supports a riparian forest of several broadleaved tree species and a diverse understory assemblage of species that occupy the wide alluvial floodplains of the river. See Appendix B for more information on the soils found on the property.

The Mediterranean climate of California is shared with the region encompassing the property. Specifically, the property belongs to the Humid Temperate Domain within the California Chaparral Province. With mild, wet winters and hot, dry summers, the Santa Margarita River Preserve is prone to flooding during winter storm events and periods of drought during the summer season. Temperatures range from as low as 43 degrees Fahrenheit to as high as 90 degrees Fahrenheit. Within the past decade, the area's precipitation has ranged from 5 inches to 25 inches annually. Much of the precipitation falls during the months of October through April. (PRISM, 2016)

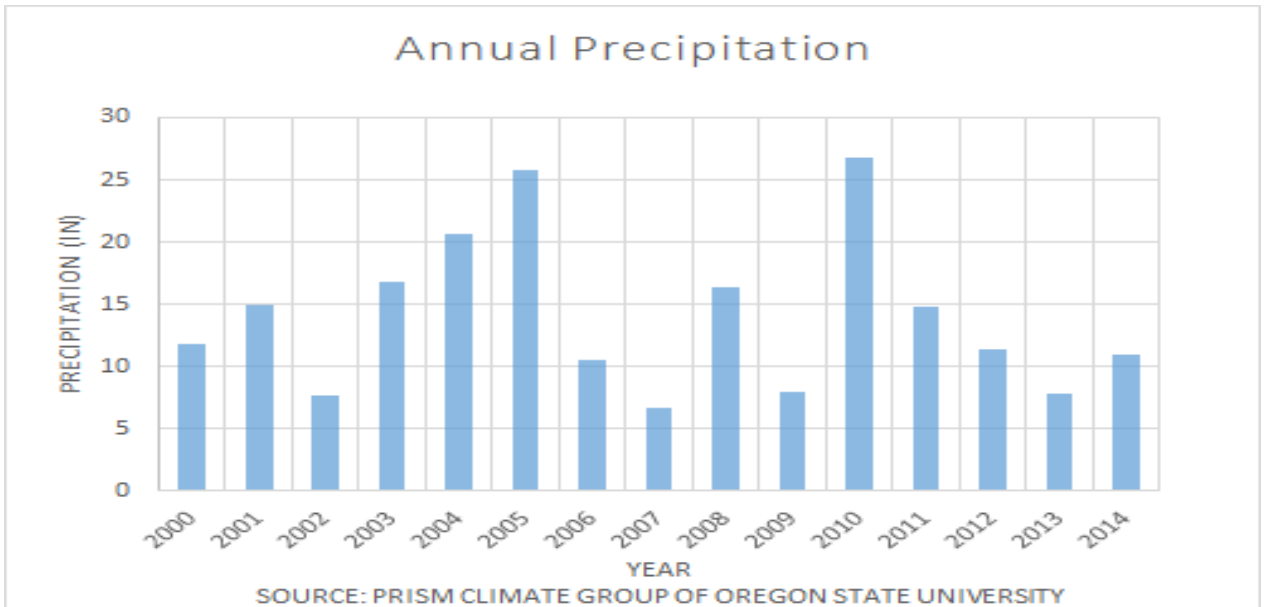


Figure 3. Annual precipitation estimated for the property from 2000 to 2014

D. Cultural Resources

The Santa Margarita River Valley was historically used by the people of the Luiseño tribe to travel between coastal village sites and inland village sites near Temecula. To this day there are signs of their presence within the river valley. A railroad was built in 1880 that connected Fallbrook to Temecula through the Santa Margarita River Valley. This railroad was used to transport visitors and goods. The railroad tracks were washed out several times by flood waters, although there are remnants of the rails that can be seen in several locations. These are but a few examples of the rich cultural history embedded in the Santa Margarita River valley. TWC intends to further study and learn about the fascinating array of cultural histories rooted in the Santa Margarita River Valley and share those with visitors.

E. Developed Infrastructure

County of San Diego maintains several miles of roads that transect through the property including Sandia Creek Drive, Rock Mountain Drive, Willow Glen Road, and North Stage Coach Lane. FPUD water supply lines traverse the property at the northwest, central and northeast portions of the property. High voltage electrical transmission lines run across the northeast portion of the property near Sandia Creek. Low voltage electrical lines run along the road near the Sandia Creek parking area and along Rock Mountain Drive.

There are a number of debris deposits within the property, some of which are associated with the sites of former structures. For the most part, the debris has been removed by FPUD before transfer of the property; the remainder will need to be

further investigated and will be addressed in the management sections of this document.

F. Public Access

1. Existing Access and Use

As noted above, the Santa Margarita River property has been owned by FPUD since the 1950s. Throughout the subsequent decades locals used the site as a place to recreate in a variety of different activities. While most of the recreation has been passive in nature and harmless to the property, some users occasionally engaged in activities and public uses that posed a clear danger of damaging the property. In response, FPUD's Board of Directors has adopted formal regulations that govern the proper use of the property for passive recreation and restrict unlawful and damaging activities. The Fallbrook Trails Council (FTC), who is affiliated with Live Oak Park Coalition, a 501(c)(3) nonprofit organization, has been responsible for the development and maintenance of recreational infrastructure within the property since 1999.

FTC and its dedicated members have provided FPUD not only with a volunteer workforce and paid workers to steward the trails system used by horseback riders, hikers, and bicyclists, but also have become the ambassadors of the property, helping to patrol the property and convey management issues to FPUD personnel. Although the situation regarding misuse of the property has improved tremendously with the frequent presence of FTC members, some recurring problems persist. As a stopgap measure FPUD has hired part-time security to help curb unauthorized uses of the property during high use periods. Moving forward, the need for an on-site presence as well as necessary funding for enforcement and enhancement of the property's stewardship will be addressed collaboratively by The Wildlands Conservancy and Fallbrook Trails Council.

Currently, public access is concentrated from two locations, the adjoining Santa Margarita County Preserve and at the Sandia Creek Drive parking area. See figure 4. Ten additional access points are located along the northern and southern borders of the property and are primarily used for management purposes. These access points are located on River Oaks Ln., Vista Del Lago, North Stagecoach Ln., Riverview Dr., Willow Glen Rd., Rock Mountain walk-in, Via Ranchitos, Via De Gavilan, Cinco Arroyo, and Via Del Rio. The trail system extends roughly from the County Preserve, past the Sandia Creek parking area, to the northeastern extent of the property near the border with the Santa Margarita Ecological Reserve. No public access is permitted to the portion of the property along Sandia Creek upstream of its confluence with the Santa Margarita River.

The members of the FTC have contributed to the management of trails by working alongside county and local planning commissions through fundraising efforts for a

number of trail improvement projects. FTC has also worked in conjunction with Cal Fire, North County Fire, and the local Sheriff's department to develop first responder protocols for emergencies that may arise within the boundaries of the property. FTC has marked the trails with georeferenced fiberglass posts to facilitate navigation of the trail system by visitors and to provide first responders with reference points in the event of an emergency.

Each year, FTC carries out trail maintenance activities on the trail system with the assistance of volunteers and paid workers. Approximately 18 miles of multi-use trails extend throughout the property. The trail network contains a combination of single-track width and double-track width unpaved trails that are used by a variety of passive non-motorized recreational user groups. People on foot generally initiate their hikes from the Sandia Creek parking area. Equestrian riders typically commence their rides from the adjoining Santa Margarita County Preserve or at the Willow Glen Road access point. The SMR Baseline Trail Map (Figure 4) provides the general arrangement of the multi-use trail system, current as of October 2016.

The most popular sections of trail are established along the grade of the river for the majority of its length through the property, falling along river terraces and crossing sandy floodplains. Several river fords link these sandy floodplain areas with trail segments that lie along the elevated river terraces and upland slopes of the river valley. For hikers and bikers, several miles of trails may be accessed by staying on either the north or south sides of the river, without having to cross as is required for equestrian users. Equestrian riders must cross the river at ford locations to avoid passing over segments of the trail that are unsafe for riders and their horses to navigate.

Due to the active riverine processes of flooding, erosion, sediment transportation and deposition, etc., it is necessary to occasionally realign small trail segments and fords in order to maintain connectivity over the greater trail system. The riparian area is where some of the most abundant natural resources occur, highlighting the need for additional care to be taken when making management decisions and recreating in these portions of the property. FTC has become accustomed to the need to evaluate the changing conditions of the trails located near the river and adapt uses accordingly.

On the south side of the river, the Five-Hundred Foot trail traverses along the middle of the hillslope providing a number of great vantage points to view the Santa Margarita River Valley. Likewise, on the north side of the river there are multiple trail segments that rise in elevation from near the river onto surrounding ridgetops that line the rim of the river valley. These ridgetop trails have commanding views of the riparian canopy, river, adjoining upland landscapes and granite-studded horizons. The Santa Margarita River Property is a remarkable sight to behold, one worth preserving through conscientious stewardship forever.

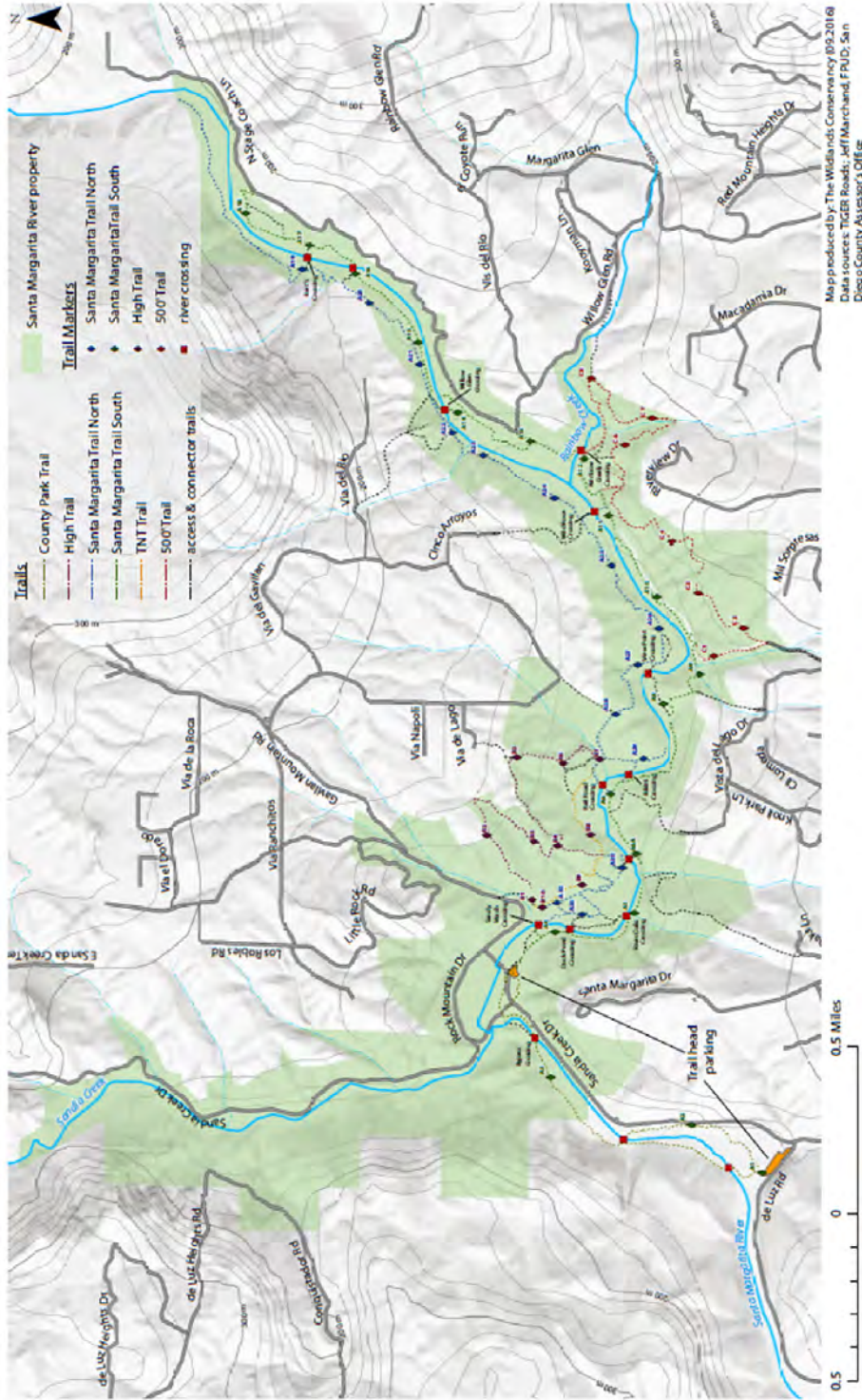


Figure 4. Topographic trail map

2. Future Use

TWC, in partnership with FTC, will continue providing opportunities for visitors to engage in low-intensity, passive, non-motorized recreation that is compatible with resource values. In addition, TWC plans to offer outdoor educational opportunities for children and adults to help deepen their understanding of natural resources, so that they are motivated not only to respect and preserve the resource values of the property, but also to apply that motivation in their daily life.

The portion of the property along Sandia Creek may be designated a wildlife refuge with no public access beyond existing trails. In total, TWC has identified approximately 460 acres that may be set aside as wildlife refuge area (see Figure 5). TWC plans to install signage and access controls such as fencing and strips of native vegetation to curtail entry onto the property along Sandia Creek Dr. and in sensitive riparian areas along the mainstem of the Santa Margarita River. In addition, TWC will provide daily on-site patrols to ensure that the public understands and complies with all visitor regulations, including no dumping/ leave no trace rules, dog leash rules, trail use rules, and strict enforcement of graffiti and no hunting laws. Subject to the availability of funding, TWC plans to continue restoration of several previously disturbed areas (homesites), which FPUD has commenced within the proposed Sandia Creek refuge area.

TWC plans to staff the preserve with an on-site Preserve Manager and Ranger(s). The combination of interpretive infrastructure such as signage and informational brochures along with the daily on-site staff is expected to yield improvements in the manner in which visitors access and interact with the property. TWC's provision of an on-site Ranger residence will serve to provide the property with greater security and provide the public with a point of contact who represents the preserve. Having an on-site Ranger will enhance the preserve stewardship by providing the public with someone who is available to answer questions and provide interpretive explanations of the natural resource management objectives and policies employed by TWC on the property.

At the same time, TWC's regular patrol presence throughout the property will ensure that the public uses the property in accordance with the regulations set forth by TWC which are adopted from the FPUD Regulations that are part of this Management Plan (Appendix "C"). TWC will continue to coordinate with local law enforcement agencies (San Diego Sheriff, CDFW Game Wardens, and Highway Patrol) to protect the resource values of the property and maintain a safe environment for visitors.

Finally, TWC's resource expertise, coupled with the heightened awareness of the sensitive nature of the resources on the property as exemplified by this plan, will assure that all operations and maintenance activities on the property comply with applicable regulations and best management practices. TWC staff will be trained to identify sensitive species and sensitive species habitat in order to protect and conserve those areas. This effect will be magnified by the beneficial impact of TWC's

education and outreach programs that will highlight the broad diversity of species that inhabit the Santa Margarita River Valley. The impact of all these actions will be to maintain appropriate access for the public's passive enjoyment of the property while protecting the rich natural resources and enhancing them over time.

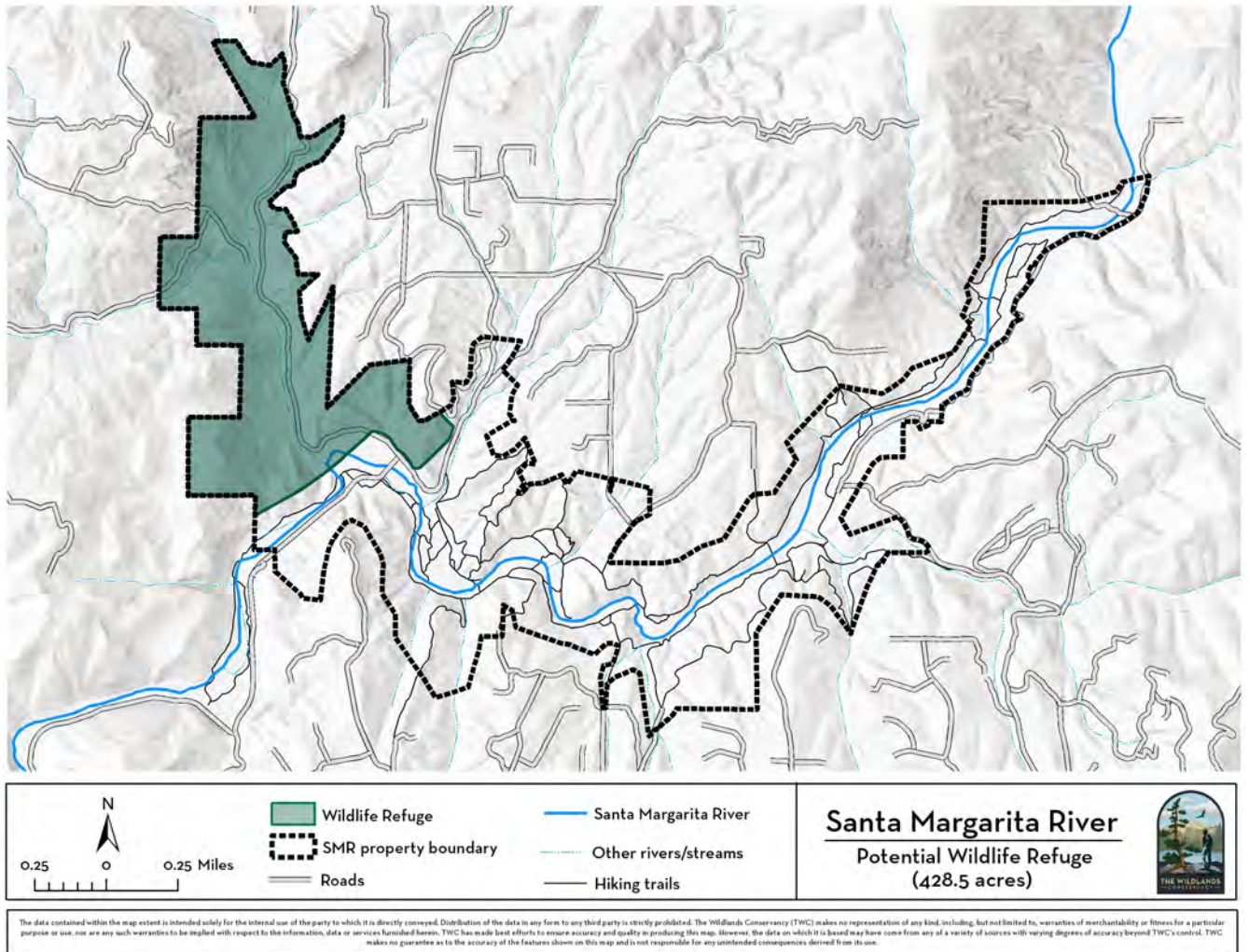


Figure 5. Potential Refuge Area

III. Habitat and Species Description

A. Vegetation Communities, Habitats, and Plant Species

The Santa Margarita River exemplifies the meaning of a high value conservation area. With the only remaining free-flowing river system in Southern California draining through a suite of biologically diverse ecosystems, this property combines to offer an exceptional opportunity for sustaining the ongoing conservation efforts of San Diego and Riverside counties, NGOs, as well as state and federal government agencies within the California South Coast Ecoregion. The Santa Margarita River Preserve is a key wildlife corridor for many sensitive and endangered species. In addition, several endemic flora and fauna species are found on the property. Stewarding the natural resources of this vital wildlife corridor is an important component of preserving the ecology of the Palomar-Santa Ana mountain region of the South Coast Ecoregion of California. The following paragraphs draw from an analysis report composed by Helix Environmental Planning in 2015.

Over a dozen distinct vegetation communities exist on the property, harboring unique habitat for a variety of associated wildlife species. These vegetation communities include streams (open water, scoured bedrock, sand bars, and freshwater marsh) southern cottonwood-willow riparian forest, southern riparian woodland, southern coast live oak riparian forest, southern willow scrub, southern riparian scrub, coast live oak woodland, mule fat scrub, Diegan coastal sage scrub, cottonwood scrub oak chaparral, southern mixed chaparral, chamise chaparral, coastal sage-chaparral, eucalyptus woodland, and non-native grassland. Many of these habitats are designated as sensitive and are listed in Table 1 and described below (HEP, 2015).

Sensitive habitat is defined as land that supports unique vegetation communities or the habitats of rare or endangered species or subspecies of animals or plants as defined by Section 15380 of the California Environmental Quality Act (CEQA) Guidelines. San Diego County Code 86.601 Resource Protection Ordinance (RPO) outlines special controls on development for the County's wetlands, floodplains, steep slopes, sensitive biological habitats, and prehistoric and historic sites; and that present methods adopted by the County must be strengthened in order to guarantee the preservation of these sensitive lands. Sensitive vegetation communities in the study area include: southern riparian forest, southern riparian woodland, southern coast live oak riparian forest, southern willow scrub, mule fat scrub, southern riparian scrub, streambed, coast live oak woodland, Diegan coastal sage scrub, coastal sage-chaparral transition, all chaparral types, and non-native grassland.

Table 1 HABITAT/ VEGETATION COMMUNITIES	
Type*	Acre(s)
Southern Cottonwood-Willow Riparian Forest (61300)	209.1
Southern Riparian Woodlands- including disturbed (62000)	4.0
Southern Coast Live Oak Riparian Forest (61310)	82.5
Mule Fat Scrub (63310)	4.3
Riparian Scrub (63000)	1.6
Stream (64140; includes Freshwater Marsh [52400])	20.5
Coast Live Oak Woodland (71160)	71.4
Diegan Coastal Sage Scrub- including disturbed (32500)	64.0
Coastal sage- Chaparral Transition (37G00)	18.1
Scrub Oak Chaparral (37900)	5.9
Southern Mixed Chaparral (37121)	811.8
Chamise Chaparral (37200)	24.0
Eucalyptus Woodland (79100)	1.0
Non-native Grassland (42200)	17.2
Agriculture (18000)	6.4
Disturbed Habitat (11300)	24.2
Developed Land (12000)	13.1
Total	1,379.5

*Holland vegetation codes are provided parentheses (Oberbauer, et. al. 2008)

A total of 209.1 acres of southern riparian forest and 4.0 acres of southern riparian woodland are present in the major streambeds and canyons (HEP, 2015). Southern riparian forests and woodlands are comprised of winter-deciduous trees that rely on water availability provided by the Santa Margarita River. Western sycamores (*Plantanus racemosa*) and Fremont Cottonwood (*Populus fremontii* spp. *fremontii*) dominate the upper canopy while a variety of willow (*Salix* spp.) occur within the lower strata of this habitat type (Holland, 1986). Associated understory species include mule fat (*Baccharis salicifolia*), stinging nettle (*Urtica dioica* ssp. *holosericea*), and wild grape (*Vitis girdiana*). A woodland differs from a forest in arrangement rather than composition, where a forest has a dense canopy of overlapping tree crowns in the upper stratum. Woodlands, on the other hand, have large gaps between individual trees or groups of trees. Southern riparian forests and southern riparian woodlands fall under the California Department of Fish and Wildlife (CDFW) jurisdictional habitat and County Resource Protection Ordinance (RPO) wetland.

A total of 71.4 acres of southern coast live oak riparian forest is present in the upper reaches of several streams and along the edges of the canyon drainages. Southern coast live oak riparian forest is an open to locally dense, evergreen, sclerophyllous, riparian woodland that is dominated by coast live oak (*Quercus agrifolia* var. *agrifolia*), but it is common to find western sycamore interspersed within this habitat type (HEP, 2015). Southern coast live oak riparian forest occurs on fine-grained alluvial soils on the floodplains along large streams in the canyons and valleys of coastal southern California (Holland, 1986). Species associated with this vegetation community include toyon (*Heteromeles arbutifolia*), Mexican elderberry (*Sambucus mexicana*), spreading snowberry (*Symphoricarpos mollis*), California rose (*Rosa californica*), California blackberry (*Rubus ursinus*), and poison oak (*Toxicodendron diversilobum*). South coast live oak riparian forest is CDFW habitat and RPO wetland.

Approximately one-half acre of southern willow scrub is present within the major drainages of the property (HEP, 2015). Southern willow scrub consists of dense broadleaved, winter-deciduous stands of trees dominated by short statured willows (*Salix* sp.) in association with mule fat (*Baccharis salicifolia*), and with scattered emergent cottonwood (*Populus fremontii*) and western sycamores (*Plantanus racemosa*). This vegetation community occurs on loose, sandy or fine gravelly alluvium deposited near stream channels during flood events. Frequent flooding maintains this early seral community, preventing succession to a riparian woodland or forest (Holland, 1986).

Mule fat scrub composes approximately 4.3 acres of land scattered throughout the edges of the riparian corridor in patches of various sizes located on floodplains. Mule fat scrub is a shrubby riparian scrub community dominated by mule fat and interspersed with small willows. The rather frequent occurrence of floods prevents the conversion of this community to a cottonwood- or sycamore- dominated riparian woodland or forest (Holland, 1986).

A total of 1.6 acres of southern riparian scrub occurs in the larger drainages of the property. Southern riparian scrub is a generic term for several shrub-dominated communities that occur along drainages and/or riparian corridors including southern willow scrub, mule fat scrub, and tamarisk scrub. Riparian scrub habitat is CDFW jurisdictional and is considered RPO wetland.

Over twenty acres of the property is classified as belonging to stream, or freshwater marsh. The Santa Margarita River typically has slow moving or standing water flowing through it, with the exception of winter storm events that have the capacity to produce floods. Freshwater marsh is dominated by perennial, emergent monocots, 5 to 13 feet tall, forming incompletely to completely closed canopies. This marsh vegetation occurs along the coast and in coastal valleys near river mouths and around the margins of lakes and springs, and freshwater or brackish marshes. These areas are semi- or permanently flooded yet lack a significant current (Holland, 1986). Stream habitat is United State Army Corps of Engineer (USACE) and CDFW jurisdictional and is considered RPO wetland. The upper main stem of the Santa Margarita River, Rainbow Creek and Sandia Creek are listed as impaired under the US Environmental Protection Agency Clean Water Act section 303 (d) list of impaired water bodies for pollutants such as phosphorus, nitrogen, metals, sulfates, and total dissolved solids.

Approximately 71.4 acres of coast live oak woodland is present along the fringes of the major drainages and within the canyons. Coast live oak woodland is an open to dense evergreen woodland or forest community (dominated by coast live oak) that may reach a height of 35 to 80 feet. The understory is composed of toyon, blue elderberry, spreading snowberry, fuchsia-flowered gooseberry (*Ribes speciosum*), and poison oak. The herbaceous understory is dominated by miner's lettuce (*Claytonia perfoliata* var. *perfoliata*) and chickweed (*Stellaria media*). This community occurs along the coastal foothills of the Peninsular Ranges, typically on north-facing slopes and shaded ravines (Holland, 1986).

A total of 64 acres of Diegan coastal sage scrub occurs on the property. Diegan coastal sage scrub is considered a sensitive habitat by the United State Fish and Wildlife Services (USFWS), CDFW, and the County due to the destruction of nearly 72 percent of the San Diego County's original sage scrub habitat (Oberbauer and Vanderwier, 1991). Diegan coastal sage scrub may be dominated by a variety of species depending upon the edaphic, slope, and aspect of the given site. Associated species within this habitat type include California sagebrush (*Artemisia californica*), California buckwheat (*Eriogonum fasciculatum* ssp. *fasciculatum*) and black sage (*Salvia mellifera*).

Approximately 5.9 acres of scrub oak chaparral occur on the property. Scrub oak chaparral is a dense, evergreen chaparral up to 20 feet tall, dominated by scrub oak (*Quercus dumosa*) with considerable mountain mahogany (*Cercocarpus betuloides*). Scrub oak chaparral occurs in somewhat more mesic areas than many other chaparrals, such as north facing slopes, and recovers more rapidly from fires than

other chaparrals due to resprouting capabilities of scrub oak (Holland 1986; Keeley and Keeley 1988).

Approximately 811 acres of southern mixed chaparral occur in the study area with the vast majority arising from granitic soils. A mafic southern mixed chaparral component of this classification occurs on 17.8 acres located on the slopes above the Santa Margarita River in the northeastern portion of the property. Southern mixed chaparral is comprised of broad-leaved sclerophyllous shrubs that can reach 6 to 10 feet in height and form dense often nearly impenetrable stands with poorly developed understories. In this mixed chaparral, the shrubs are generally tall and deep rooted, with a well-developed soil litter layer, high canopy coverage, low light levels within the canopy, and lower soil temperatures (Keeley and Keeley 1988). This vegetation community occurs on dry, rocky, often steep north-facing slopes with little soil. As conditions become more mesic, broad-leaved sclerophyllous shrubs that resprout from underground root crowns become dominant. Depending upon relative proximity to the coast, southern mixed chaparral is dominated by chamise (*Adenostoma fasciculatum*), mission manzanita (*Xylococcus bicolor*), coast white lilac (*Ceanothus verrucosus*), Ramona lilac (*Ceanothus tomentosus*), white-stem wild-lilac (*Ceanothus leucodermis*), big-berry manzanita (*Arctostaphylos glauca*), and scrub oak (*Quercus dumosa*). This vegetation community provides important habitat for wide-ranging species such as mule deer (*Odocoileus hemionus*) and mountain lion (*Felis concolor*). The County considers this vegetation community sensitive.

Approximately 24 acres of granitic form chamise chaparral occur on the property. Chamise chaparral is the most widely distributed chaparral shrub and is dominated by the species chamise (*Adenostoma fasciculatum*). This vegetation community is found from Baja to northern California in pure or mixed stands. The ubiquitous distribution of chamise chaparral may be the result of chamise being the only chaparral species that regenerates from fire from both an underground root crown and the production of seeds (Rundel, 1986). It often dominates at low elevations and on xeric south facing slopes with 60 to 90 percent canopy cover. Along its lower elevation limit, chamise chaparral intergrades with coastal sage scrub (Rundel, 1986). Mission manzanita and black sage are minor plant species associated within this vegetation community. Chamise chaparral is considered a sensitive habitat by CDFW and the County. (HEP, 2015)

A total of 1.0 acre of eucalyptus woodland was identified on the property and are dominated by stands of red gum (*Eucalyptus camaldulensis*) within the major drainages. Red gum is a non-native species that is commonly found in disturbed areas; it is also widely cultivated in California and is the most widely planted species of eucalyptus. (Hickman, ed. 1993)

Non-native grassland dominated by annual grasses and a mixture of native forbs covers approximately 17.2 acres of the property. Non-native grassland is a dense to sparse cover of annual grasses, often associated with native annual forbs. This association occurs on gradual slopes with deep, fine-textured, usually clay soils. Most

of the introduced annual species that comprise non-native grassland originated from the Mediterranean region of Europe, an area with a climate similar to that in California and a long history of agriculture. These two factors have contributed to the successful invasion and establishment of these species and the replacement of native grasslands by annual-dominated non-native grassland (Jackson, 1985).

Approximately 6.4 acres of the property has been classified as having been under agricultural production, though none of the property is currently agricultural. Orchards in the area studied are primarily avocado, although a few citrus trees are also present. The orchards are likely associated with adjacent operations.

Disturbed habitat occupies 24.2 acres. Disturbed habitat includes land cleared of vegetation (e.g., dirt roads and borrow pits), land containing a preponderance of non-native plant species such as ornamentals or ruderal exotic species that take advantage of disturbance (previously cleared or abandoned landscaping), or land showing signs of past or present animal usage that removes valuable wildlife habitat (HEP, 2015).

B. Animal Species

The Santa Margarita River Valley is an important area for endemic wildlife in Southern California. The availability of year-round water provides a vital resource that supports an array of important wildlife habitats and is utilized by an abundance of associated wildlife species. In addition, the upland ecosystems are home to a wide variety of unique wildlife species and sensitive natural communities that make the property rich in biodiversity. Moreover, several federal and state threatened and/or endangered species inhabit the land encompassing the Santa Margarita River Preserve. The survival of these natural communities and the individual threatened species depends largely upon the long-term existence of a wildlife corridor throughout the Santa Margarita River Valley. One critical function of the proposed preserve is to protect the wildlife habitat and ensure that the natural communities and wildlife species are given room to roam and expand over time.

A number of wildlife surveys have been completed on the property within the previous twenty years. Most recently, in 2015, Helix Environmental Planning conducted a series of wildlife surveys in the field and through the California Natural Diversity Database (CNDDDB 2015). Review of U.S. Fish and Wildlife (USFWS), MSCP sensitive species, and California Native Plant Society (CNPS; 2015) databases was also conducted. Davenport Biological Services conducted additional biological field surveys in 2008, between June 17th and July 30th. The results of these surveys have been summarized and are supplemented by additional findings that can be found in Appendix D. In the period of time immediately following the transfer acquisition, additional wildlife surveys will be conducted to improve the quality of species occurrences and habitat data.

Animals observed on the property by Davenport Biological Services in 2008 are listed below.

Fish

Arroyo Chub (*Gila orcutti*) were the only native fish that were observed within the Santa Margarita River. However, three exotic fish, the mosquito fish (*Gambusia affinis*), bluegill (*Lepomis macrochirus*), and common carp (*Cyprinus carpio*) were also observed.

Amphibians

Two native amphibians, the California toad (*Bufo boreas halophilus*), and Pacific tree frog (*Pseudacris regilla*), were also abundant and commonly observed within the Santa Margarita River. The Pacific tree frog was also common within Sandia Creek. The bullfrog (*Rana catesbeiana*) was also present and was heard calling from several deep pools. Other amphibian species, including California tree frog (*Pseudacris cadaverina*) and several salamander species, may also be present near the streams and in mature oak woodlands.

Reptiles

Despite the appropriateness of the habitat for most of southern California's native reptiles, only a few reptiles were observed during this survey. Reptiles observed included the western pond turtle (*Clemmys marmorata pallida*), western skink (*Eumeces skiltonianus*), Belding orange-throated whiptail (*Cnemidophorus hyperythrus beldingi*), western fence lizard (*Sceloporus occidentalis*), alligator lizard (*Gerrhonotus multicarinatus*), and southern Pacific rattlesnake (*Crotalus oreganos helleri*).

Mammals

Other than bats, mammals detected during this survey included the big-eared woodrat (*Neotoma macrotus*), California ground squirrel (*Spermophilus beecheyi nudipus*), desert cottontail rabbit (*Sylvilagus audobonii sanctidiegi*), striped skunk (*Mephitis mephitis holzneri*), western spotted skunk (*Spilogale gracilis*), long-tailed weasel (*Mustela frenata*), coyote (*Canis latrans clepticus*), and bobcat (*Lynx rufus californicus*).

Bats

Seven species of bats were found to be occupying the site. Bats detected during this summer survey included the big brown bat (*Eptesicus fuscus*), Silver-haired bat (*Lasiurus noctivagans*), western red bat (*Lasiurus blossevillii*), California bat (*Myotis californicus*), western small-footed bat (*Myotis ciliolabrum*), western

pipistrelle bat (*Pipistrellus Hesperus*), and Brazilian free-tailed bat (*Tadarida brasiliensis*).

Birds

Sixty-three species of birds were detected during surveys of the site. In both total number, and number of unique species, birds accounted for the majority of vertebrates observed. Several nesting pairs of least Bell's vireo (*Vireo bellii pusillus*) were observed within and adjacent to the riparian plant communities associated with the Santa Margarita River and near the mouth of Sandia Creek. In addition, least Bell's vireos were observed nesting in the coast live oak woodlands that bordered the Santa Margarita River.

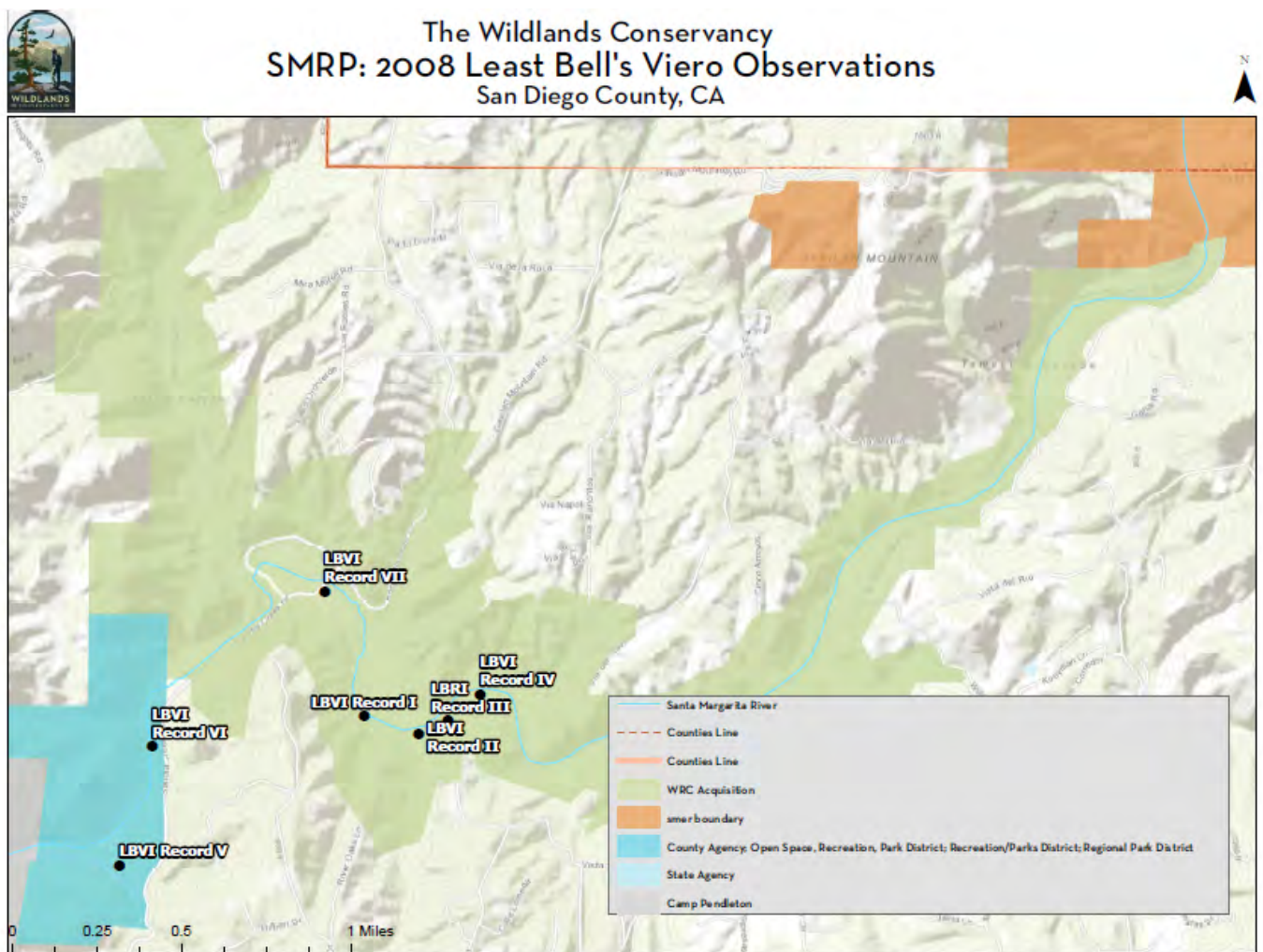


Figure 6. Least Bell's Vireo observation data from Davenport Biological Services surveys in 2008

C. Primary Threats and Stressors

Through interviews with the current land owner and stewards, review of environmental reports and online database searches, and conducting field reconnaissance tours several threats and stressors have been identified for the property. Regional threats and stressors are addressed in the Management Strategic Plan (MSP) created for the County of San Diego Natural Communities Conservation Plan (NCCP) (SDMMP, 2013). Here we describe several site-specific threats and stressors that pose a risk to the preserve and the natural resources therein.

The upper main stem of the Santa Margarita River, Rainbow Creek and Sandia Creek are listed as impaired under the US Environmental Protection Agency Clean Water Act (CWA) section 303 (d) list of impaired water bodies. Pollutants such as phosphorus, nitrogen, metals, sulfates, and total dissolved solids are responsible for the water bodies' listing impaired. Adjacent agricultural and upstream land uses likely contribute herbicides, insecticides, pesticides and pollutants from urban runoff into the watercourses resulting in harmful effects to aquatic and riparian habitats. Non-native invasive plants and animals threaten riparian areas and aquatic habitats.

Several threats and stressors negatively affect riparian vegetation communities. The combination of several of these threats and stressors pose a substantial risk of loss of habitat for many species under certain conditions. Riparian forests and woodlands are threatened by a shifting climate where droughts are more likely to occur and persist. When droughts are coupled with other threats such as invasive plants or insect pest attacks and diseases, the conditions for a significant loss of habitat or type conversion emerge. Locally, the spread of two insect pests are concerning because several of the dominant tree species within riparian systems including California sycamore (*Platanus racemosa*), cottonwood (*Populus spp.*) willow (*Salix spp.*) and oaks (*Quercus spp.*) are susceptible to Polyphagous shot hole borer (*Euwallacea sp.*) + Fusarium Dieback disease and/ or golden spotted oak borer (*Augrilus auroguttatus*).

Human activities, when not properly managed, can threaten riparian vegetation communities and upland habitats. Illegal dumping threatens species and degrades habitat. Pollution and physical harm can result as a consequence of illegal dumping. Animals may ingest toxic substances, become entangled or trapped in waste materials. Dumping often occurs adjacent to roads in chaparral, chamise, and sage scrub habitat communities as well as, along roads within Coast Live Oak woodland communities on the property. Recreational use in chaparral, sage scrub, and chamise habitats may also alter native wildlife movements and provide disturbed areas for invasive non-native grass species to encroach upon native vegetation communities. Trails and adjacent development can also alter the hydrology of natural topography, creating erosion issues and impacting native plant communities.

D. Special Status Species

Based on a 2015 report by Helix Environmental Planning, both sensitive plant and animal species inhabit, or use the property. A full list of the sensitive plants and animals are presented in Appendix D along with a ranking of their relative probability to occur on the property and a discussion of the methods used to ascertain their potential for presence. Sensitive plant species were defined in the report as those considered unusual or limited in that they are: (1) only found in the San Diego region; (2) a local representative of a species or association of species not otherwise found in the region; (3) severely depleted within their ranges or within the region.

1. Sensitive Plant Species

Twenty-five sensitive plant species have the potential to occur on the property, two of which are federally listed, however both have a low probability of occurring on the property (San Diego Ambrosia [*Ambrosia pumila*] and thread-leaved brodiaea (*Brodiaea filifolia*). Please refer to Table 2 for a list of the 25 sensitive plant species, their associated listing, or sensitivity status, and potential ranking (low, moderate, high) to occur on the property. See Appendix D for further descriptions of all twenty-five sensitive plant species habitats and the explanation of special status codes.

Species	Listing or Sensitivity*	Potential to Occur	Species	Listing or Sensitivity*	Potential to Occur
Chaparral sand-verbena (<i>Abronia villosa var. aurita</i>)	--/-- CRPR 1B.1 County List A	Low	San Diego ambrosia (<i>Ambrosia pumila</i>)	FE/-- CRPR 1B.1 County List A	Low
Rainbow manzanita (<i>Arctostaphylos rainbowensis</i>)	--/-- CRPR 1B.1 County List A County List A	High	Jaeger's bush milkvetch (<i>Astragalus pachypus var. Jaegeri</i>)	--/-- CRPR 1B.1 County List A	Moderate
Thread-leaved brodiaea (<i>Brodiaea filifolia</i>)	FT/SE CRPR 1B.1 County List A	Low	Orcutt's brodiaea (<i>Brodiaea orcuttii</i>)	--/-- CRPR 1B.1 County List A	Low
Santa Rosa basalt brodiaea (<i>Brodiaea santarosae</i>)	--/-- CRPR 1B.2	Low	Lewis's evening-primrose	--/-- CRPR 3	Low

			(<i>Camissoniopsis lewisii</i>)		
Payson's jewelflower (<i>Caulanthus simulans</i>)	--/-- CRPR 4.2 County List D	High	Smooth tarplant (<i>Centromadia pungens ssp. laevis</i>)	--/-- CRPR 1B.1 County List A	Low
Orcutt's pincushion (<i>Chaenactis glabriuscula var. orcuttiana</i>)	--/-- CRPR 1B.2 County List A	Low	San Miguel savory (<i>Clinopodium chandleri</i>)	--/-- CRPR 1B.2 County List A	Moderate
Many-stemmed dudleya (<i>Dudleya multicaulis</i>)	--/-- CRPR 1B.2 County List A	Low	Sticky dudleya (<i>Dudleya viscida</i>)	--/-- CRPR 1B.2 County List A	Moderate
Robinson's pepper-grass (<i>Lepidium virginicum var. robinsonii</i>)	--/-- CRPR 1B.2 County List A	High	Vernal barley (<i>Hordeum intercedens</i>)	--/-- CRPR 3.2	Low to moderate
Mesa horkelia (<i>Horkelia cuneata var. Puberula</i>)	--/-- CRPR 1B.1 County List A	Low	Romona horkelia (<i>Horkelia truncata</i>)	--/-- CRPR 1B.3 County List A	Low to moderate
Coulter's goldfields (<i>Lasthenia glabrata spp. coulteri</i>)	--/-- CRPR 1B.1 County List A	Low	Shevock's copper moss (<i>Mielichhoferia shevockii</i>)	--/-- CRPR 1B.2	Low
Intermediate monardella (<i>Monardella hypoleuca ssp. intermedia</i>)	--/-- CRPR 1B.3	Moderate	Felt-leaved monardella (<i>Monardella hypoleuca ssp. lanata</i>)	--/-- CRPR 1B.2 County List A	High
White rabbit-tobacco (<i>Psuedognaphalium leucocephalum</i>)	--/-- CRPR 2B.2	Moderate	Parry's tetracoccus Tetracoccus dioicus)	--/-- CRPR 1B.2 County List A	Low

2. Sensitive Animal Species

Thirty-seven sensitive animal species have a moderate to high potential to occur on the property. There is a high number of species that may occur on the property due to the undisturbed nature of the property and high quality of the various habitats therein. Please refer to Appendix D (Helix Environmental Planning report) for further descriptions of the sensitive animal species that may utilize or inhabit the property.

The property supports federally designated Critical Habitat for the coastal California gnatcatcher (*Polioptila californica californica*), least Bell's vireo (*Vireo pusillus bellii*), southwestern willow flycatcher (*Empidonax traillii extimus*), arroyo toad (*Anaxyrus californicus*), and habitat for the California species of special concern, the arroyo chub (*Gila orcutti*) and southwestern pond turtle (*Actinemys marmorata pallida*), as well as potential habitat for the yellow-billed cuckoo (*Coccyzus americanus occidentalis*) and steelhead trout (*Oncorhynchus mykiss*). Below we describe the habitat for each of these species and any confirmed observations occurring on the SMRP.

The range and distribution of the coastal California gnatcatcher (*Polioptila californica californica*) is closely aligned with coastal scrub vegetation. This vegetation is typified by low, less than 1 meter (3 feet) tall, shrub and sub-shrub species that are often drought deciduous (O'Leary 1990, p. 24; Holland and Keil 1995, p. 163; Rubinoff 2001, p. 1376). As defined by Westman (1983, pp. 6 and 10), the coastal scrub plant communities that overlap the range of the gnatcatcher include Venturan, Diegan, and Riversidean coastal sage scrub communities. As detailed by Campbell et al. (1998, pp. 421–433), gnatcatchers may also occur in other nearby plant communities, especially during the nonbreeding season, but gnatcatchers are closely tied to coastal scrub for reproduction (Atwood 1993, p. 151). Moreover, all coastal scrub is not equal with respect to gnatcatchers. Gnatcatchers are patchily distributed, and Winchell and Doherty (2008, p. 1325) found the density of gnatcatchers was highest in high-quality habitat and decreased as habitat quality decreased.

The vast majority of the breeding least Bell's vireo (*Vireo bellii pusillus*) population occurs in southern California from Santa Barbara County south through the lowland coastal areas to Baja, Mexico. A majority of the population currently inhabits territories in San Diego County, particularly on the Marine Corps Base Camp Pendleton (FWS, 2006). Least Bell's vireos require dense riparian woodlands and dense shrub-cover for breeding and foraging. Nests are commonly found below 20 feet in willow stands and in areas where a dense understory of herbaceous plants are present (RECON, 1989; Kus, 2002). Four least Bell's vireo territories were identified

during a 2015 survey of the subject property by Marine Corps biologist Alisa Zych. See figure 7.

The Southwestern willow flycatcher (*Empidonax traillii extimus*) has a breeding range that includes southern California, Arizona, New Mexico, extreme southern portions of Nevada and Utah, far western Texas, perhaps southwestern Colorado, and extreme northwestern Mexico (USFWS, 2002). In southern California southwestern willow flycatchers breed within thickets of willows or other riparian understory usually along streams, ponds, lakes, or canyons. One of the most important characteristics of the habitat appears to be the presence of dense vegetation, usually throughout all vegetation layers present. Almost all breeding habitats are within close proximity of water or very saturated soil. The southwestern flycatcher is highly likely to use the property, in fact surveys have yielded a confirmed sighting of a transient male southwestern willow flycatcher (Zych, 2015). See figure 7.

The arroyo toad (*Anaxyrus californicus*) breeding habitat is restricted to shallow, slow-moving stream habitats, and riparian habitats that are disturbed naturally on a regular basis, primarily by flooding. To provide appropriate arroyo toad habitat, a stream must be large enough for channel scouring processes to occur but not so large that habitat structure is lost after floods (Sweet, 1992). Arroyo toad larvae was discovered in a low-flow channel of the SMR mainstem in 2015 (Zych, 2015). See Figure 7. Although suitable habitat may exist on the property, no previous or subsequent sightings have been reported.

The arroyo chub (*Gila orcutti*) are native to the Santa Margarita River and are considered to be abundant in the upper reaches and in De Luz creek (Swift et al, 1993). Arroyo chub are found in habitats characterized by slow-moving water, mud or sand substrate, and depths greater than 40cm (Wells and Diana 1975). They are most common in streams with gradients of less than 2.5% slope (Feeney and Swift 2008), where water temperatures range from 10 to 28 degrees C (J. O'Brien, CDFW, unpublished data).

The southwestern pond turtle (*Actinemys marmorata pallida*) is native to central and southern California coastal areas. The western pond turtle is in decline throughout 75-80 percent of its range (Stebbins, 2003). Populations in southern California are particularly imperiled and are therefore included on the proposed list of protected species in the North County Multiple Species Conservation Plan (County of San Diego). Southwestern pond turtles occur in habitats with ponds, streams, creeks, and slow moving rivers. Southwestern pond turtles also require basking locations and may utilize upland sites for up to seven months out of each year.



The Wildlands Conservancy
SMRP: 2015 Federally Endangered Species Observations
San Diego County, CA

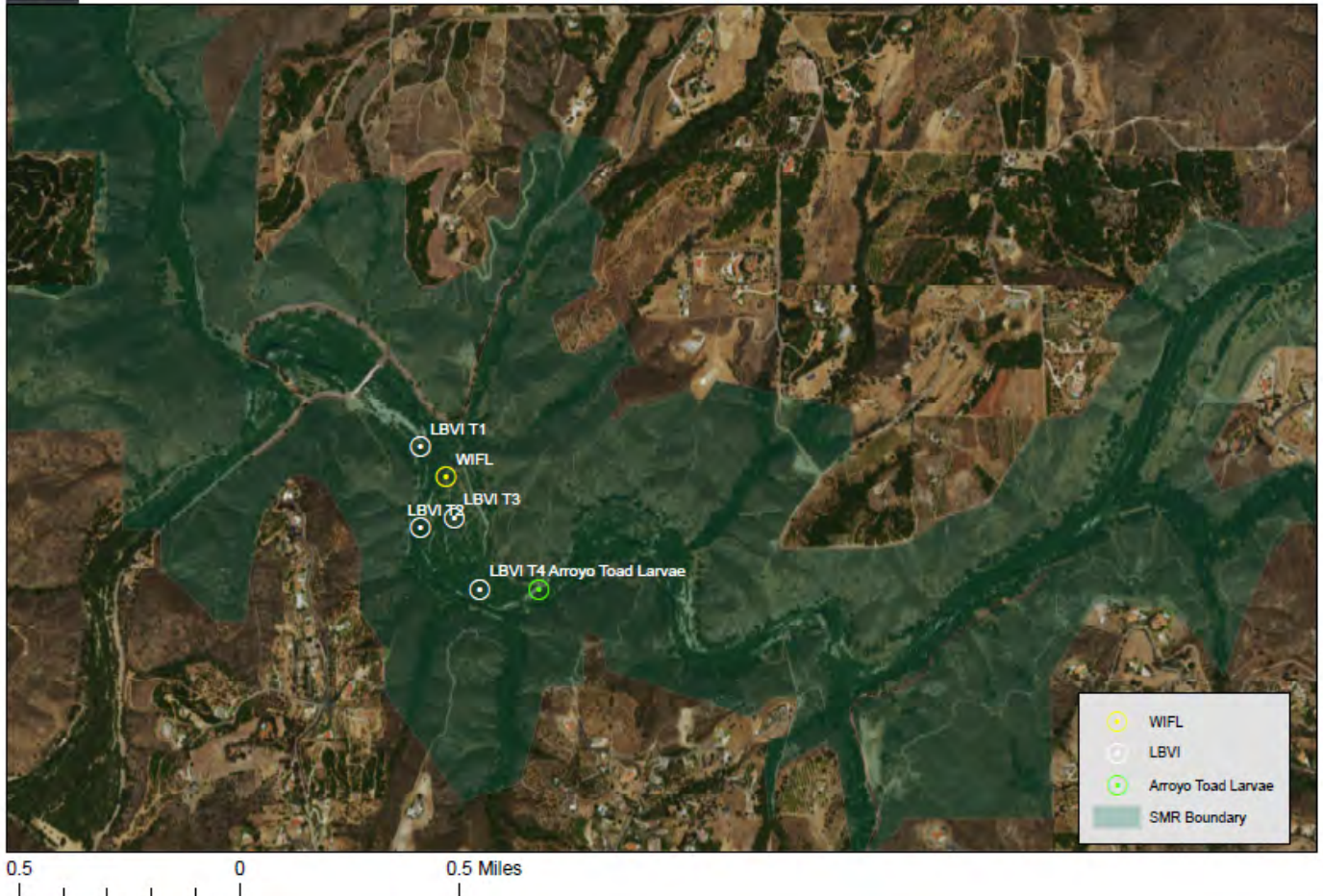


Figure 7. Location of a migrating willow flycatcher (WIFL), arroyo toad larvae (ARTO) and least Bell's vireo during the 2015 breeding season

Historical occurrence records for steelhead trout (*Oncorhynchus mykiss*) in the Santa Margarita River are primarily based on anecdotal observations and CDFW reports. CDFW Warden E.H. Glidden was reported to have rescued adult steelhead in the Santa Margarita River in the 1930s or 1940s (USFWS, 1998). Steelhead fry were collected in 1939 in the Santa Margarita River near its confluence with De Luz Creek (USFWS, 1998). One adult weighing five pounds was reported near the town of Temecula in the 1940s (USFWS 1993, as cited in USFWS 1998). CDFW memos from 1947 and 1949 (as cited in USFWS 1998) note, "...a few steelhead are known to enter the river on wet years and run

upstream to slightly above the Fallbrook area” and “A constant flow is present in the section opposite Fallbrook but summer temperatures and shifting sand bottom make it unsuitable for trout”. However, in the spring of 2009, 3 juvenile steelhead were captured and several others were sighted on Marine Corps Base Camp Pendleton by base biologists. The three fish were captured by hook and line just upstream of the De Luz Road Bridge. Each fish displayed physical characteristics of the smolt life stage. Each fish had a fin sampled for genetic analysis by National Marine Fisheries Services. One of the fish was concluded to be of steelhead ancestry with no trace of hatchery origin. This evidence indicates that in the one to two years prior to 2009, endangered steelhead successfully spawned in the Santa Margarita River (Cardo, 2013).

IV. Goals, Objectives and Strategies

Vision Statement

The ultimate goal for the Santa Margarita River Trail Preserve is to maintain and enhance the unique biological and recreational values on the property in perpetuity, and to engage the local community in the appreciation and preservation of those values by providing compatible and historic passive, trail-based, non-motorized multi-use recreational, equestrian and educational opportunities, as the property has been utilized for over 50 years.

Goals, Objectives, and Strategies

The following section describes long-term management objectives and strategies that focus on maintaining and enhancing the natural resources of the preserve. Subject to available grants and participation by partners and funders the actions proposed below will assist and enhance the long-term stewardship efforts of TWC; these may be completed by or with assistance from project partners, including universities, professional consultants, government agencies, NGOs, and volunteer citizen scientists.

A. Natural Resource Management

Goal: Identify native plant and animal species and the key habitats of sensitive species; maintain and enhance existing vegetation communities and water quality to support sensitive and other native wildlife species; identify, manage, and monitor the threats to native species and their respective habitats.

1. Sensitive Plant and Animal Monitoring

Objective: Identify the habitats of sensitive plant and animal species through habitat assessments and species-specific presence-absence surveys.

Strategy 1.1: In collaboration with consultants, resource conservation districts, and citizen scientists, TWC will carry out presence-absence surveys for sensitive plant and animal species, important detection measures to support the conservation of biodiversity on the property. If special status species are confirmed to exist on the property, the locations where such species are utilizing habitat will be identified and potential threats to the species and their habitats will be assessed. Working in conjunction with project partners, habitat protection measures will be planned and implemented for special status species.

Strategy 1.2: Focused surveys for special status bird species including, California coastal gnatcatcher (*Polioptila californica californica*), least Bell's vireo (*Vireo bellii pusillus*), southwestern willow flycatcher

(*Empidonax trailli extimus*), and western yellow-billed cuckoo (*Coccyzus americanus occidentalis*) will be carried out within three years. Following initial surveys, monitoring programs for each special status bird species will be conducted based on their specific recovery protocols in Table 5 or modified to apply the management needs of the preserve in collaboration with project partners.

Table 3 Survey Protocols for Sensitive Bird Species	
Species	Survey Protocol
Southwestern Willow Flycatcher (<i>Empidonax trailli extimus</i>)	A Natural History Summary and Survey Protocol for the Southwestern Willow Flycatcher (Sogge et. al., 2010)
Least Bell’s Vireo (<i>Vireo bellii pusillus</i>)	Least Bell’s Vireo Survey Guidelines (USFWS, 2001)
California Coastal Gnatcatcher (<i>Poliophtila californica californica</i>)	California Coastal Gnatcatcher Presence/ Absence Survey Guidelines (USFWS, 1997)

2. Sensitive Animal Species Management

Objective: Manage known sensitive species habitats by eliminating threats to the extent possible.

2.1 Least Bell’s Vireo Habitat Management

Managing known least Bell’s vireo habitat on the preserve will require a multifaceted approach in order to address potential threats posed to the species on the property and adjacent lands.

Strategy 2.1.1: Regularly monitor trail system and prohibit unauthorized attempts to expand trail system. Barriers and signage, as well as, authority of resource interpretation by trained staff members will be used to prevent the creation and use of unauthorized trails. All current access trails will be honored, and future trails will be evaluated on a case-by-case basis.

Strategy 2.1.2: Staff members who are trained in identifying vireos and their breeding habitat (Biological Monitors) will conduct focused surveys for vireos and evaluate habitat conditions on an annual basis.

2.1.2a: Biological Monitors will be trained by qualified biologist who are certified to conduct Least Bell's Vireo surveys.

Strategy 2.1.3: On site staff will educate visitors about the importance of habitat protection protocols for least Bell's vireo on the preserve. In addition, signage and educational material will be made available to explain the purpose of the activities proposed to protect least Bell's vireo habitat while retaining key access opportunities. Users observance of these restrictions is critical to the success of these habitat management measures.

Strategy 2.1.4: Trail maintenance activities within LBVI habitat areas will aim to minimize negative impacts on the habitat.

2.1.4a: Where new trail are constructed during the breeding season, a trained Biological Monitor will inspect the site to determine presence of nesting vireos, and redirect activities that may damage a nest or cause significant disturbance to nesting vireos.

Strategy 2.1.5: Regularly monitor trail system and prohibit unauthorized attempts to expand trail system. Barriers and signage, as well as, authority of resource interpretation will be used to prevent use of unauthorized trails.

2.1.5a: Impacted areas will be restored with appropriate native vegetation and/ or access control techniques.

2.1.5b: Signage and educational materials will be provided to visitors that explain the importance of observing the boundaries of the trails.

2.1.6: Regularly monitor recreational activities to ensure habitat protection measures are being observed by visitors.

3. Botanical Inventory

Objective: Compile a master list of flora occupying the property.

Strategy 3.1: Within the first three years, project partners will establish a master list of botanical species that occupy the property, and subsequently will conduct annual surveys to ensure that a census of annual and perennial plant species are accounted for. Existing botanical survey lists will be compiled and then amended to reflect the current assemblage of plant species occurring on the property. The botanical surveys will include focused surveys for identifying the presence and specific locations of sensitive species.

Strategy 3.2: At the end of five years, review the inventory results to determine if species have disappeared or appear to be threatened. Develop plans to maintain vegetation communities and control threats to sensitive plant species.

Strategy 3.3: At the end of five years, review the monitoring protocols and revise to reflect best practices and lessons learned in the initial period.

Strategy 3.4: Rare, threatened and endangered plant surveys will be conducted every three to five years. Once the Northern San Diego County Multiple Species Conservation Plan is finalized, rare plant monitoring methodologies will be adopted by preserve Staff and volunteers. In the refuge and surrounding areas not used by the passive recreation usage.

4. Forest Inventory

Objective: Develop a forest inventory.

Strategy 4.1: Approximately three hundred and fifty acres of the property supports forest and woodland habitat. Riparian forest and woodland habitats are important landscape elements within the larger mosaic of habitats found on the property, and support numerous sensitive and native wildlife species. Within the first three years, the project partners will develop forest inventory plots that are designed to track changes in southern riparian forest, southern riparian woodlands, and riparian oak woodlands, as these are designated as sensitive habitats and should be monitored.

Strategy 4.2: Review inventory data on a biennial basis to observe changes in forest cover; assess whether changes in management are required.

5. Wildlife Inventory

Objective: Identify the wildlife species that utilize and occupy the property.

Strategy 5.1: An ongoing effort by the project partners to record the presence of wildlife species that utilize and occupy the property will commence within the first year of TWC management. Wildlife studies have indicated the presence of hundreds of wildlife species. Recording wildlife presence through ongoing observations will help managers to better understand the habitat requirements of the species that occupy the property and the interaction between natural resources and recreation.

6. Invasive, Non-native Plant and Animal Control

Objective: Identify and address occurrences of invasive, non-native plants and animals.

Strategy 6.1: Within the first two years, the project partners will implement surveys for invasive plants and animals. The collection of GPS data of the areas where invasive plant occurrences are distributed throughout the property will be a leading priority for management.

Strategy 6.2: As funding is available, invasive plant survey and control programs will be developed in order to identify the populations, occurrences and potential threats that novel invasive plant species pose to native plant communities.

Strategy 6.3: TWC and project partners will coordinate to manage invasive animal species found to have significant, negative impacts on the native flora and/ or fauna of the property

Strategy 6.4: Due to the known presence of the non-native species of wild pigs (*Sus scrofa*) in San Diego County, TWC will coordinate with project partners to develop a contingency mitigation plan for addressing their possible future encroachment onto the property. The contingency plan will be developed within the first twenty-four months.

7. Plant Pathogens

Objective: Survey the property to identify plant pathogens and disease outbreaks that pose a significant threat to the habitats of the property.

Strategy 7.1: Within the first three years, develop a survey program with assistance from project partners (UC Riverside cooperative extension, MCBCP, San Diego State University) to identify plant pathogens, disease outbreaks or other insect outbreaks that could pose a threat to the biological resources, vegetation communities or habitats found on the property.

Strategy 7.2: In collaboration with project partners, pathogens identified through surveys, and those known to project partners, will collaboratively be assessed on a case-by-case basis to determine the level of threat that they pose to the habitats within the property.

Strategy 7.3: Collaborate with project partners to understand management options for addressing the impacts associated with specific plant pathogens or pests and determine if management strategies should be revised to address pest management.

Strategy 7.4: TWC will encourage researchers to conduct surveys to determine the presence-absence of two particularly threatening insect pests the Polyphagous shot hole borer (*Euwallacea sp.*) and golden spotted oak borer (*Augrilus auroguttatus*).

8. Fire Plan

Objective: Develop a fire plan.

Strategy: 8.1: Within the first two years, the project partners in collaboration with local fire and emergency response agencies will develop a fire plan. The fire plan will address such topics as egress routes from the property, staging areas for responding equipment, roads, trails and other resources available to fire crews during the event of a fire. The fire plan may also include a discussion about wildfire prevention strategies and post-fire rehabilitation options specific to the property.

9. Debris and Trash Cleanup

Objective: Deter illegal dumping.

Strategy: Within the first year, remove as much illegally dumped trash and debris as possible, especially along heavily trafficked areas of the property near roads. Maintain vigilance and remove any new trash or debris that is dumped in an effort to deter others from dumping in the future. Regularly clean up trail and road system debris, break up fire rings, remove graffiti and patrol use areas.

B. Cultural Resource Management

Goal: Identify, preserve and protect the cultural resources of the property.

1. Identify Cultural Sites

Objective: Locate significant historic and prehistoric cultural sites throughout the property.

Strategy 1.1: Review archeological reports and meet with archeologists and consultants to identify significant cultural sites.

Strategy 1.2: Work with colleges and universities to carry out research projects that will help elucidate the cultural history of the property.

2. Preserve and Protect Cultural Resources

Objective: Ensure that culturally significant sites and artifacts are protected from looters, vandals, and share educational information about the various periods of human use of the Santa Margarita River Valley.

Strategy 2.1: Erect interpretive signage that depicts the lifestyles of past visitors and inhabitants of the Santa Margarita River Valley area during various periods of history. Interpretive signage will be designed in collaboration with project partners and be placed in areas that do not pose any threats of exposing sensitive cultural sites to anthropic disturbances but rather help to illustrate the presence of an array of past visitors and how they spent their time in the Santa Margarita River Valley.

C. Recreational Resource Management

Goal: Maintain existing recreational uses and protect natural resources. Continuously review and periodically revise management strategies for recreational and educational resources and activities on the property to ensure that they provide valuable services to the community while protecting the natural resources.

1. Partnership with Fallbrook Trails Council

Objective: Establish and maintain a close, working relationship with the Fallbrook Trails Council so that community priorities are reflected in the natural, recreational and educational resources of the property.

The expertise and knowledge of FTC that has been acquired over decades of managing the trails is paramount to the continued success of the Santa Margarita River trail system. In partnership with The Wildlands Conservancy, the FTC will continue to provide the essential role of trail maintenance as stewards and docents of this important recreational resource. TWC greatly appreciates and will continue welcoming the involvement of the volunteer workforce composed of the members of the FTC and community members, but is not able to depend on volunteers to maintain the trail system. Rather, a team of stewards that will include TWC staff, FTC members, community volunteers, paid contractors, and youth service workers will collaborate together to offer comprehensive care to the trails, and maintain the trails for equestrians, hikers and non-motorized bicyclists, as they have been in the past.

Strategy 1.1: Prior to close of escrow, collaborate on a trail easement in favor of FTC, or the Live Oak Park Coalition, a nonprofit 501 ©(3)

corporation of which FTC is a part, that ensures public access to the existing 18 miles of existing georeferenced trails while providing flexibility to maintain and adapt the trail network to the changing circumstances, fires and floods, and to protect the unique natural resources on the property.

2. Recreational Use Surveys

Objective: Identify use patterns and user behaviors.

Strategy 2.1: In order to better understand how visitors use the property, recreational use surveys will be given to visitors within the first two years of TWC's management. These surveys will be designed to help TWC gain valuable information such as the most popular modes of travel, popular times of day for guests to visit specific areas, which days of the week the greatest volume of visitation occurs, and during which season visitation to various sites is at its peak. Additionally, user-experience information will be collected and analyzed to identify which areas of the user experience are considered satisfactory and which aspects may benefit from changes. Understanding these use patterns and visitor experiences will help managers ensure that changes in public access that are intended to protect the natural and cultural resources of the preserve also ensure, insofar as possible, that visitors are also provided with a safe and enjoyable user experience while recreating at the preserve.

Strategy 2.2: At the end of the each year, assess the results of user surveys and revise planned changes to facilities and regulations as appropriate.

3. Trail Repair Assessment and Maintenance

Objective: Evaluate the conditions of the trail system and provide for its ongoing maintenance.

Strategy 3.1 In coordination with FTC, an assessment of the trail system will take place prior to TWC becoming the long-term steward of the property. The trail repair assessment will include a detailed inspection and documentation of the existing trail network, access points, and elements that may require attention in order to help prevent and/or mitigate erosion, unofficial social trails, and risks to visitor health and safety.

Strategy 3.2: The results of the trail repair assessment will inform TWC and FTC, and subsequent agreement by both parties will be made before proceeding with any improvements or alterations.

Strategy 3.3: TWC will partner with the FTC and other community organizations and individuals to provide comprehensive care for the trail

system, in perpetuity. Together, the staff of TWC, the workforce of the FTC and other partners will enhance the sustainability and improve the durability of the trails, reduce and mitigate impacts to natural and cultural resources on the property, and enhance user safety and experience.

4. Educational Programs

Objective: To enhance the user experience by providing educational opportunities and to help inculcate a land stewardship ethic in children and other visitors to the preserve.

The Wildlands Conservancy plans to develop outdoor educational opportunities to enrich the recreational experiences of visitors to the preserve. The educational interpretation of the property will take multiple forms. Signage will be installed to describe and depict such elements of the property as, unique geologic features, land use history, detailed trail information, botanical and wildlife species, and cultural histories to help visitors acquire a sense of place when visiting specific sites within the property.

Strategy 4.1: Within the first two years of operation, TWC and partners will formulate a plan for enhancing the existing educational opportunities on the property, including a timeline for implementing the plan.

Strategy 4.2: Over the following two years, TWC and partners will implement the outreach plan. The outreach plan will detail specific programs that TWC staff will offer and partner with other entities to host in an effort to bolster the community's awareness of issues regarding sensitive species conservation, leave no trace principles, climate change, natural resource and cultural resource conservation, wildfire prevention, etc.

Strategy 4.3: TWC will continuously look for opportunities to partner with schools and local community groups to offer outdoor education. Additionally, the property will be made available to those interested in nature study. Researchers interested in studying wildlife, biology, ecology, etc. are encouraged to contact the preserve manager for further details.

5. Community Outreach

Objective: Forge and strengthen the connections and opportunities for collaboration between the project partners and the community at large.

Strategy 5.1: TWC's staff and Preserve Manager will be available to the public each day of the week to answer questions and meet with community members about issues related to the preserve.

Strategy 5.2: TWC staff will participate in community events, planning meetings, and discussions that will help to advance TWC's Mission to better serve the Fallbrook community and Northern San Diego County region.

Strategy 5.3: TWC staff will host meetings and events that welcome community members and interested parties onto the preserve to meet our staff, understand our management goals and philosophy through experience-based and didactic workshops/ programs, and discuss and celebrate a lifestyle inclusive of outdoor recreation and nature appreciation.

6. Visitor Safety

Objective: Provide a safe environment for visitors to recreate.

Strategy 6.1: Rules and warnings of the potential dangers that may be encountered while on the property will be made available for visitors near the primary access points to the preserve, helping reduce the likelihood of injury or illness.

Strategy 6.2: The Fallbrook Trails Council has georeferenced trail markers throughout the trail system. These trail markers can be used by visitors to navigate the trail system, and report the location of unsafe conditions to management. In addition, these trail markers can be used to provide first responders with GPS coordinates that help focus their efforts in the event of an emergency.

Strategy 6.3: Emergency evacuation sites have been designated at four locations on the property. These locations will be marked on trail maps to provide visitors with important information about where safe evacuation sites are located on the property. The evacuation sites include the Sandia Creek Dr. parking lot, in the southwestern portion of the property, the terminus of Stagecoach Rd at the "sandpit," in the south central portion of the property, the large staging area at the intersection of Via Ranchitos and Gavilan Rd., in the north central portion of the property, and at the large staging area at the intersection of Willow Glen Rd. and N. Stagecoach Ln., in the southeastern portion of the property. Each location will be mapped with GPS coordinates and shared with local first responders and emergency personnel within the first three months of TWC taking over management of the property.

7. Volunteer Monitors

Objective: Establish a program of volunteer monitoring to assist with property management and public outreach.

Strategy 7.1: Within the first two years of management TWC will develop a volunteer monitoring program. The volunteer monitoring program will begin as a pilot project. A small number of volunteers that frequently visit the property and who are interested in supporting the efforts of TWC and FTC management to improve the property will be recruited as members to the initial volunteer group. Members chosen to participate in the volunteer monitoring program will be oriented on how to gather and report information to TWC Preserve Manager. Volunteers will document and then notify the Preserve Manager about issues such as damage or the threat of damage to natural resources, dangerous trail conditions, fallen trees, damaged property, graffiti, poaching, or any other observations of the preserve rules being breached or any unsafe situations. Individuals interested in participating in the volunteer monitoring program will be directed to Preserve Manager for further information.

Strategy 7.2: After two years of operation, TWC will review the volunteer program and revise it to ensure that it continues to serve the objectives for which it was developed.

8. Prohibited Activities

Objective: Prevent the degradation, deterioration, damage or destruction of any part of the property.

Strategy 8.1: A declaration of all rules will be posted at the primary access points of the preserve, be made available online and in writing. TWC plans to develop a series of rules that will be fashioned similarly to the rules previously developed by the current owner FPUD. Those rules are included in Appendix C.

Strategy 8.2: TWC will help to maintain safety and orderly conduct by enforcing the rules through an educational approach, including principles of Authority of Resource and Leave No Trace. TWC staff will strive to make contact with individuals or groups breaking the rules to help interpret the importance of the particular rule(s) being broken and provide a verbal warning of the consequences of said breach to the offending party. This warning and educational information sharing is the first phase in response to situations where the rules are being broken. If said person(s)

continue to break the rules they may lose their privileges of visiting the property and/or be prosecuted when their actions warrant a legal response.

D. Infrastructure Development

Goal: To identify needs for additional infrastructure on the property in order to ensure protection of natural resources, interpret the natural history of the property, promote and regulate compatible recreation, and improve management efficiency, and to maintain all infrastructure in good condition throughout its useful life.

1. Capital Improvements

Objective: In order to achieve the management goals of preserving the natural environment and biological resources of the property while also maintaining safe and high quality recreational opportunities, appropriate capital improvement projects will be planned and implemented. All capital improvements described below will be constructed on previously disturbed areas at either the Sandia Creek access point or Willow Glen Rd. access point, which total approximately 6 acres (.43% of the property). Capital improvements will occupy less than 2 acres (.15% of the property).

Strategy 1.1: Within the first two years of management, TWC and project partners will assess the need for additional capital improvements, and will prioritize the projects that are found to be beneficial. In assessing that need, the primary objective will be to undertake the minimum level of improvements that is compatible with the need to focus, direct, and supervise public access. Capital improvement projects that will be considered include:

- a. Restrooms—it is anticipated that a restroom will be sited near the Sandia Creek Dr. parking lot. This area receives the heaviest volume of use by the public. A second restroom will be considered for the Willow Glen/Stagecoach Lane parking area.
- b. Parking lots—a parking lot currently exists on Sandia Creek Drive and is the primary access point for visitors to the property. Improvements to the existing parking lot are anticipated in order to reduce the impact of public access on resources in the immediate area. A second parking lot may be sited at the corner of Willow Glen Road and N Stagecoach Lane.
- c. Sandia Creek Drive Bridge—partnering with Cal Trout, design a fish-friendly bridge to replace the current bridge that has a negative effect on wildlife.
- d. Ranger stations—a single-family dwelling (1200 sq. ft., combined with a Preserve Manager office space, 400 sq. ft.) is anticipated to be constructed at the Sandia Creek Dr. parking lot, in order to provide a continuous on-site presence. A second ranger station may be built at the Willow Glen entrance.

- e. Signage—signage will be posted at the primary access points and distributed throughout the trail system in order to ensure visitors are aware of preserve regulations and understand the vulnerability of the natural communities.
- f. Interpretive kiosk—an interpretive kiosk will be placed at the Sandia Creek Dr. parking area.
- g. Litterbag dispensers—locations are yet to be determined.
- h. Stabling facilities for two horses may be built on disturbed, former agriculture land at Willow Glen in order to facilitate search and rescue operations, property security, and maintenance as needed.

Strategy 1.2: Each infrastructure development project will be proposed, planned, and permitted prior to the commencement of any construction, in compliance with all applicable rules and regulations. In some instances, funds will need to be raised to complete specific capital improvement projects.

Strategy 1.3: Project planning documents will be viewable by the general public during the planning phases of such projects. The goal of infrastructure development projects will be to enhance the protection of natural and cultural resources while improving the quality of user experiences.

2. Maintenance of Infrastructure

Objective: Maintain infrastructure throughout its useful life.

Strategy 2.1: TWC staff and partners will maintain the infrastructure of the property. Duties of the on-site personnel will range from such tasks as trail inspections and maintenance, trash cleanup and graffiti removal, vegetation management, as well as maintenance of all structures developed by TWC including fencing, signage, visitor amenities, and buildings.

3. Restoration of Disturbed Sites

Objective: Subject to availability of funding, to restore all previously disturbed sites on the property that are not required for implementation of this plan.

Strategy 3.1: TWC will cooperate with project partners to carry out restoration of areas that have been disturbed by previous land uses.

Strategy 3.2: An area approximately nine acres in size that was formerly used for the agricultural production of succulents, near N. Stagecoach Lane, should be remediated and restored with native vegetation.

Strategy 3.3: A vacant residence and outbuildings located on Sandia Creek Drive has been dismantled and removed (the site of a former residence that was removed by FPUD under the terms of its contract for sale of the property), and the site should be restored to natural habitat. The site is approximately two acres and occurs within Coast Live Oak woodland and Coast Live Oak Riparian Forest habitat.

Strategy 3.4: Approximately four acres of additional disturbed areas along Sandia Creek Dr. should be restored with native vegetation.

Strategy 3.5: Approximately one acre of eucalyptus trees will be assessed for restoration with native vegetation.

E. Operations Planning

Goal: Establish a timeline and monitoring program for evaluating the progress made toward management goals. These planning timelines and monitoring programs will help the management team make decisions about task prioritization and evaluate the placement of emerging objectives within those prioritization rankings.

1. Annual Work Plans

Objective: Develop a framework that describes the operations to be implemented within each calendar year.

Strategy 1.1: Preserve Manager will develop work plan calendars to schedule the sequence of operations pursuant to the management plan, including coordination with FTC when it applies to the trail system.

Strategy 1.2: TWC will meet with MCBCP, SMER, and other natural resource management agency representatives on an annual or biennial basis to discuss and coordinate land management strategies that are current and emerging natural resource management priorities.

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Appendix A

Assessor Parcel Numbers

102-105-06-00	102-180-13-00	102-180-65-00	102-250-24-00	102-280-55-00	102-400-40-00
102-450-23-00	102-520-02-00	102-590-15-00	102-600-67-00	102-601-01-00	102-601-02-00
102-601-03-00	102-601-11-00	102-601-12-00	102-710-11-00	102-750-05-00	105-020-02-00
102-101-08-00	102-101-09-00	102-102-03-00	102-102-06-00	102-105-04-00	102-102-04-00
101-361-17-00	102-102-02-00	102-160-48-00	102-280-02-00	102-400-28-00	102-400-29-00
102-440-05-00	102-490-29-00	102-690-08-00	102-102-05-00		

Appendix B

Soil Survey Report USDA & NRCS

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a

map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

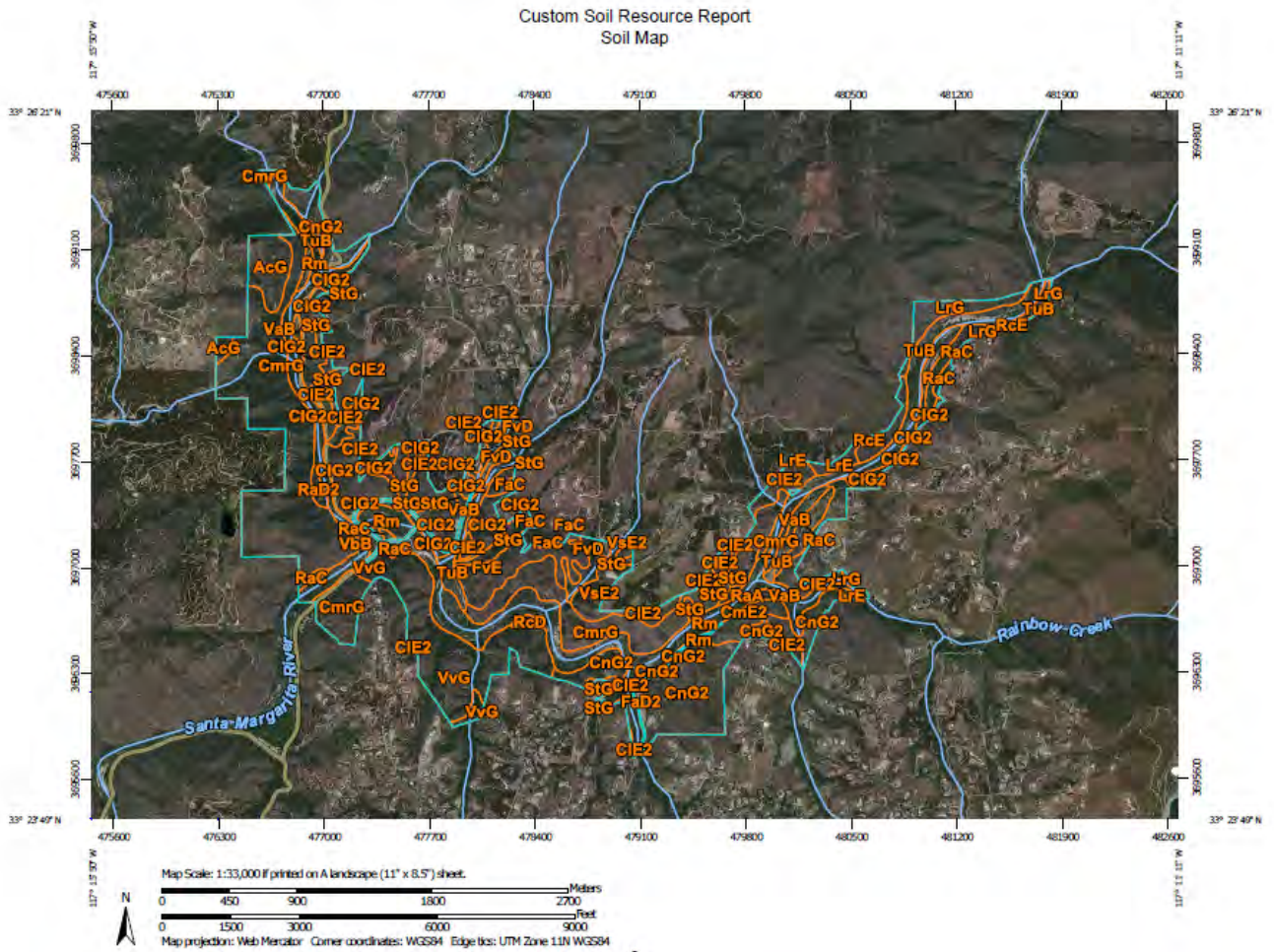
While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



Soil Map

33° 26' 21" N
117° 15' 50" W
33° 26' 21" N
117° 11' 11" W
33° 23' 49" N
117° 15' 50" W
33° 23' 49" N
117° 11' 11" W

N
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84
Meters
Map Scale: 1:33,000 if printed on A landscape (11" x 8.5") sheet.

Map Unit Legend

San Diego County Area, California (CA638)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AcG	Acid igneous rock land	31.0	2.3%
CID2	Cieneba coarse sandy loam, 5 to 15 percent slopes, eroded	0.1	0.0%
CIE2	Cieneba coarse sandy loam, 15 to 30 percent slopes, eroded	74.9	5.4%
CIG2	Cieneba coarse sandy loam, 30 to 65 percent slopes, eroded	119.7	8.7%
CmE2	Cieneba rocky coarse sandy loam, 9 to 30 percent slopes, eroded	18.2	1.3%
CmrG	Cieneba very rocky coarse sandy loam, 30 to 75 percent slopes	310.7	22.6%
CnG2	Cieneba-Fallbrook rocky sandy loams, 30 to 65 percent slopes, eroded	143.1	10.4%
FaC	Fallbrook sandy loam, 5 to 9 percent slopes	2.0	0.1%
FaD2	Fallbrook sandy loam, 9 to 15 percent slopes, eroded	0.6	0.0%
FaE2	Fallbrook sandy loam, 15 to 30 percent slopes, eroded	0.2	0.0%
FvD	Fallbrook-Vista sandy loams, 9 to 15 percent slopes	6.8	0.5%
FvE	Fallbrook-Vista sandy loams, 15 to 30 percent slopes	41.7	3.0%
LrE	Las Posas stony fine sandy loam, 9 to 30 percent slopes	20.3	1.5%
LrG	Las Posas stony fine sandy loam, 30 to 65 percent slopes	22.5	1.6%
RaA	Ramona sandy loam, 0 to 2 percent slopes	2.2	0.2%
RaC	Ramona sandy loam, 5 to 9 percent slopes	23.1	1.7%
RaD2	Ramona sandy loam, 9 to 15 percent slopes, eroded	4.3	0.3%
RcD	Ramona gravelly sandy loam, 9 to 15 percent slopes	2.9	0.2%
RcE	Ramona gravelly sandy loam, 15 to 30 percent slopes	13.2	1.0%
Rm	Riverwash	252.2	18.3%
StG	Steep gullied land	85.1	6.2%
TuB	Tujunga sand, 0 to 5 percent slopes	28.8	2.1%

San Diego County Area, California (CA638)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
VaB	Visalia sandy loam, 2 to 5 percent slopes	25.9	1.9%
VbB	Visalia gravelly sandy loam, 2 to 5 percent slopes	2.4	0.2%
VsC	Vista coarse sandy loam, 5 to 9 percent slopes	4.0	0.3%
VsE2	Vista coarse sandy loam, 15 to 30 percent slopes, erode d	19.1	1.4%
VvE	Vista rocky coarse sandy loam, 15 to 30 percent slopes	5.3	0.4%
VvG	Vista rocky coarse sandy loam, 30 to 65 percent slopes	116.4	8.5%
Totals for Area of Interest		1,376.9	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to

define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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Appendix C
Fallbrook Public Utility District Ordinances
No. 336

ORDINANCE NO. 336
AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE
FALLBROOK PUBLIC UTILITY DISTRICT GOVERNING ITS SANTA
MARGARITA RIVER PROPERTY

Exhibit "A" ORDINANCE NO. 336
FALLBROOK PUBLIC UTILITY DISTRICT
Regulations for Use of the Santa Margarita River Property Owned by the District

<u>Section No.</u>	<u>Section Name</u>
1.	Definitions
2.	Breaking, Cutting, or Injuring Plants
3.	Care of Wildlife
4.	Taking Wood
5.	Motor Vehicles and Other Conveyances
6.	Bicycles
7.	Glass Beverage Containers Prohibited
8.	Regulation of Equestrians
9.	Pollution of Streams (Generally)
10.	Dogs
11.	Camp Fires
12.	Camping
13.	Disposal of Rubbish and Garbage
14.	Unreasonable Noises
15.	Advertising
16.	Hunting and Fishing
17.	Possession and Use of Firearms and Weapons
18.	No Smoking Allowed
19.	Night Closing
20.	Fireworks Prohibited
21.	Permit for Organized Public Programs or Private Programs
22.	Illegal Drugs
23.	Care of District Property
24.	Off Trail Travel
25.	Care of Watershed
26.	Exemptions from Regulations
27.	Severability

Section 1: Definitions

Alcoholic Beverages. For purposes of this title, the term alcoholic beverages shall include alcohol, spirits, liquor, wine, beer and every liquid or solid containing one- half of one percent or more of alcohol by volume and which is fit for beverage purposes either alone or when diluted, mixed or combined with other substances. No alcohol is allowed within the Santa Margarita River Property.

Property Manager. Property Manager is defined as the FPUD Supervisor tasked with overseeing the Property.

Peace Officer. Peace Officer is defined as any peace officer, as defined in Chapter 4. 5 commencing with Section 830) of Title 3 of Part 2 of the Penal Code.

Trail Rights- of-Way. Trail Rights- of-Way is defined as trail usage priority to yield to traffic in the following order: horses, hikers, and bicyclists.

Section 2: Breaking, Cutting or Injuring Plants

No person shall pluck, take, remove, damage, or destroy any flower, shrubbery, plant, vine, tree, grass, ground cover or other natural or cultivated growth within the Santa Margarita River Property except with prior written permission of the Property Manager.

Section 3: Care of Wildlife

It shall be unlawful for any person to hunt, molest, harm, frighten, kill, trap, chase, tease, shoot or throw projectiles at any animal, reptile or bird within the Santa Margarita River Property.

No person shall operate a remote controlled vehicle or drone in or near the property except law enforcement or governmental authorities in the discharge of their duties.

Section 4: Taking Wood

No person shall cut or remove any wood or fallen trees within the Santa Margarita River Property except with written permission of the Property Manager.

Section 5: Motor Vehicles and Other Conveyances

a) It shall be unlawful for any person at any time to operate or drive an automobile, truck, trailer, motorcycle, motor scooter, motorbike, or any other type of motor vehicle within the Santa Margarita River Property unless such vehicles are in a designated parking or staging area or on a County of San Diego maintained road without prior written permission from the Property Manager.

b) No person within the Santa Margarita River Property shall fail to comply with all applicable provisions of the State Motor Vehicle Code and traffic laws in regard to equipment, signs, speed limits and operation of vehicles together with such regulations as are contained in these regulations.

c) No person shall park any vehicle within the Santa Margarita River Property except for the duration of their visit.

d) Vehicles parked in violation of State of California Vehicle Code Sections 22651r) or 22652, may be subject to removal from the Santa Margarita River Property at the vehicle owner's expense.

e) These provisions shall not apply to motor vehicles and motorized equipment for District maintenance, patrol vehicles, or emergency vehicles in the process of conducting maintenance, operation or enforcement activities within the Santa Margarita River Property and contractors/ consultants, performing work for the District as authorized by the Board of Directors or the District's General Manager.

Section 6: Bicycles

a) It shall be unlawful for any person to ride a bicycle of any type on other than designated trails. Bicyclists shall be permitted to use designated hiking trails, but must use due care and caution to not interfere with hikers or equestrian users.

b) Bicycle speed limits shall be as follows:

c) Fifteen (15) miles/hour maximum in all recreational and park areas

d) Five (5) miles/hour within one hundred (100) feet of pedestrians and equestrians

e) Bicyclists must dismount and step to the side of the trail at least fifteen feet away in the presence of horses.

f) Bicyclists must observe choke points on trails and slow their speed at these choke points. Bicyclist shall verbally notify or signal with a bell when behind or in front of horses, hikers, or other bicyclist.

g) No motorized bicycles are permitted or allowed.

Section 7: Glass Beverage Containers Prohibited

No person shall possess any glass beverage container within the Santa Margarita River Property of the District except that the sponsor of an organized public event may obtain written permission in advance from the Property Manager to possess glass beverage containers, provided that the containers remain under the sponsor's control and are not distributed to participants of the event.

Section 8: Regulation of Equestrians

Horses ridden within the Santa Margarita River Property shall only be on designated equestrian routes and trails.

Section 9: Pollution of Streams (Generally)

No person shall contaminate or pollute, or cause to be contaminated or polluted, any water of any creek flowing through the Santa Margarita River Property, or to deposit or cause to be deposited any refuse, rubbish or other waste matter of any kind or character, in such waters, or to wash or clean vehicles, clothing, animals or persons in the waters of the property. No body contact or swimming is allowed. No wading or walking in the stream is allowed except at designated trail crossings.

Section 10: Dogs

Dogs will be required to remain on leash at all times in all areas of the Santa Margarita River Property. It shall be the duty of all persons having control of a dog to immediately remove any feces to a proper receptacle.

Section 11: Camp Fires

It shall be unlawful to make any fire, of any kind, or utilize a barbeque, a propane grill, enclosed fire units, or hibachi- style cooking devices at any time within the Santa Margarita River Property.

Section 12: Camping and Picnicking

No person or group of persons shall camp overnight or remain or stay overnight within the Santa Margarita River Property. The property shall be used for non- motorized trail use only. No group events, group picnicking or other group activities are allowed without a permit.

Section 13: Disposal of Rubbish and Garbage

No person shall throw, dump, or otherwise place or cause to be placed, or leave, either directly or indirectly, any rubbish, garbage, sewage or waste matter, or any trash or refuse of any kind or character, other than in receptacles established and maintained for such purposes. No person shall bring or cause to be brought, any rubbish, garbage, sewage, waste matter, trash or refuse of any kind for the purpose of disposing of same within the property either in the receptacles described herein, or at any other place.

Section 14: Unreasonable Noises

a) No person shall operate any loudspeaker or any other sound amplification device within the Santa Margarita River Property.

b) No person, either by voice, mechanical device, tumultuous or other offensive conduct or otherwise, shall create, or permit or cause to be created, any loud or unusual noises at any time which create a nuisance. Noises determined to be too loud or offensive shall be promptly reduced or discontinued as directed by any peace officer or authorized District employee.

Section 15: Advertising

No person shall display or post any plates, markers, signs, commercial or message within the Santa Margarita River Property without prior written approval of the Property Manager.

Section 16: Hunting and Fishing

No person shall take any wild game, animals, birds or eggs within the Santa Margarita River Property except with the prior written permission of the Property Manager. No fishing allowed and shall be subject to the regulations of the California Fish and Game, et al.

Section 17: Possession and Use of Firearms and Weapons

No person shall take, carry or transport any firearm, pellet gun, pump gun, zip gun, air rifle, bow and arrow, BB gun or weapon of any kind within the Santa Margarita River Property.

Section 18: No Smoking Allowed

No person shall light matches, smoke cigars, pipes, cigarettes or any other smoking device or instrument or carry, upon, or across, the Santa Margarita River Property, any lighted cigars, pipes, cigarettes or other lighted inflammable material at any time.

Section 19: Night Closing

All trails shall be closed to the public from dusk to dawn based on posted hours. The hours will be coordinated with operating hours of the County of San Diego. Santa Margarita River Property hours may also be revised as deemed necessary by the District's General Manager.

Use of the Santa Margarita River Property outside of posted hours is considered trespassing per California Penal Code 602.

Section 20: Fireworks Prohibited

No fireworks of any kind shall be lit within or discharged within the Santa Margarita River Property.

Section 21: Permit for Organized Public or Private Programs

No person shall conduct any organized public program, public assemblage or public address within the Santa Margarita River Property without first obtaining the written permission of the Property Manager. The General Manager has the authority to approve or reject Special Use or Special Event requests at his or her discretion.

Written permission is required for any uses besides non- motorized trail use on the property as described in this ordinance.

Section 22: Illegal Drugs

No person shall use or possess any illegal or illicit drug in any area within the Santa Margarita River Property.

Section 23: Care of District Property

It shall be unlawful for any person to mark, deface, disfigure, injure, destroy, tamper with, displace, or remove any equipment, buildings, tables, benches, railings, fencing, paving, utilities, or parts or appurtenances thereof, signs, notices, place cards, District property, including but not limited to, monuments, stakes posts or any other boundary markers, or other structures, equipment, facilities or materials within the Santa Margarita River Property.

Section 24: Off Trail Travel

It shall be unlawful for any person or group of persons to travel off any marked or designated trail by any means, including by foot, horse or bicycle, except to enter a developed area of the Santa Margarita River Property. Persons may briefly step off the marked trail to give right-of-way to passing horses, hikers, or bicyclists.

Section 25: Care of Watershed

It shall be unlawful for any person to conduct any activity within the Santa Margarita River Property that may degrade the watershed and/ or the resulting quality of water within that watershed.

Section 26: Exemptions from Regulations

The provisions of these regulations shall not apply to or restrict any officer, employee, volunteer or agent of the District, or any other peace officer when such person is acting to enforce any of these regulations.

Section 27: Severability

The District's regulations for the Santa Margarita River Property and their various parts, sections, and clauses thereof are declared by the Board of Directors to be severable. If any part, sentence, paragraph, section, subsection, clause, phrase, part or portion thereof is judged unconstitutional or invalid by a competent jurisdiction, the remainder of these regulations shall not be affected thereby. The Board of Directors hereby declares that it would have passed these regulations and each part thereof, regardless of the fact that one or more of such parts would be declared unconstitutional or invalid.

Appendix D

Sensitive Animal Species

Sensitive Animal Species with Potential to Occur		
Species	Listing or Sensitivity*	Potential to occur
Invertebrates		
Hermes copper (<i>Lycaena hermes</i>)	Candidate/-- County Group 1	Low to Moderate. Occurs in southern mixed chaparral and coastal sage scrub with mature specimens of its larval host plant spiny redberry (<i>Rhamnus crocea</i>)
Vertebrates		
Fish		
Arroyo chub (<i>Gila orcuttii</i>)	/SSC	Likely present. Known from the Santa Margarita River and Sandia Creek. Found in slowly moving streams with substrates of sand or mud and depths of 40 centimeters or greater.
Amphibians and Reptiles		
Arroyo toad (<i>Anaxyrus californicus</i>)	FE/ SSC County Group 1	Likely present. Found on banks with open-canopy riparian forest characterized by willows, cottonwoods, or sycamores; breeds in areas with shallow, slowly moving streams, but burrows in adjacent uplands during dry months.
Orange-throated whiptail (<i>Aspidoscelis hyperythra</i>)	--/SSC County Group 2	Moderate to high. Coastal sage scrub, chaparral, edges of riparian woodlands, and washes. Also found in weedy, disturbed areas adjacent to these habitats. Important habitat requirements include open, sunny areas, shaded areas, and abundant insect prey base, particularly termites (<i>Reticulitermes sp.</i>)
Coastal whiptail (<i>Aspidoscelis tigris stejnegeri</i>)	--/-- County Group 2	Moderate to high. Open coastal sage scrub, chaparral, and woodlands. Frequently found along the edges of dirt roads traversing its habitats. Important habitat components include open, sunny areas, shrub cover with accumulated leaf litter, and an abundance of insects, spiders, or scorpions.
Red-diamond rattlesnake (<i>Crotalus ruber</i>)	--/SSC County Group 2	High. Found in chaparral, coastal sage scrub, along creek banks, particularly among rock outcrops or piles of debris with a supply of burrowing rodents for prey.
San Diego banded gecko (<i>Coleonyx variegatus abbotti</i>)	--/-- County Group 1	High. Chaparral and coastal sage scrub in areas with rock outcrops.

San Diego ringneck snake (<i>Diadophis punctatus similis</i>)	--/-- County Group 2	High. Generally occur in moist habitats such as oak woodlands and canyon bottoms, but is also sometimes encountered in grassland, chaparral, and coastal sage scrub; generally restricted to leaf litter and rarely crosses open areas.
Western pond turtle (<i>Emys marmorata</i>)	--/SSC County Group 1	High. Almost entirely aquatic; occurs in freshwater marshes, creeks, ponds, rivers and streams, particularly where basking sites, deep water retreats, and egg laying areas are readily available.
Coastal rosy boa (<i>Charina [Lichanura] trivirgata [roseofusca]</i>)	--/-- County Group 2	High. Occurs among rocky outcrops in coastal sage scrub, chaparral, and desert scrub.
Coast horned lizard (<i>Phrynosoma blainvillii</i>)	--/SSC County Group 2	High. Occurs in coastal sage scrub, chaparral, open oak woodlands, and open coniferous forests. Important habitat components include basking sites, adequate scrub cover, areas of loose soil, and an abundance of harvester ants (<i>Pogonomyrmex sp.</i>) a primary prey item
Coronado skink (<i>Plestiodon [Eumeces] skiltonianus interparietalis</i>)	--/SSC County Group 2	Moderate. Occurs in grasslands, coastal sage scrub, and open chaparral where there is abundant leaf litter or low herbaceous growth.
Coast patch-nosed snake (<i>Salvadora hexalepis virgulata</i>)	--/SSC County Group 2	Low to moderate. Inhabits semi-arid brushy areas and chaparral in canyons, rocky hillsides, and plains.
Western spadefoot (<i>Spea hammondi</i>)	--/SSC County Group 2	Low. Occurs in open coastal sage scrub, chaparral, and grassland, along sandy or gravelly washes, floodplains, alluvial fans, or playas; requires temporary pools for breeding and friable soils for burrowing; generally excluded from areas with bullfrogs (<i>Rana catesbiana</i>) or crayfish (<i>Procambarus sp.</i>)
California red-legged frog (<i>Rana [aurora] draytonii</i>)	FT/SSC County Group 1	Low. Found in dense, shrubby riparian vegetation with deep, slow-moving water. Known from Santa Rosa Plateau
Two-striped garter snake	--/SSC County Group 1	High. Typical habitat is along permanent and intermittent streams bounded by dense riparian vegetation; also found associated with vernal pools and stock ponds.
Birds		
Cooper's hawk (<i>Accipiter cooperii</i>)	--/WL County Group 1	Likely present. Tends to inhabit lowland riparian areas and oak woodlands in proximity to suitable foraging areas such as scrublands or fields.

Sharp-shinned hawk (<i>Accipiter striatus</i>)	--/WL County Group 1	Low. Usually observed in areas with tall trees or other vegetative cover but can be observed in a variety of habitats. In San Diego County occurs in small numbers and only in winter.
Southern California rufous-crowned sparrow (<i>Aimophila ruficeps canescens</i>)	--/WL County Group 1	Moderate. Occurs in coastal sage scrub on rocky hillsides and in canyons; also found in open sage scrub/ grassy areas of successional growth.
Bell's sage sparrow (<i>Amphispiza belli belli</i>)	--/WL County Group 1	Moderate. Occurs in sunny, dry stands of coastal sage scrub or chaparral.
Golden eagle (<i>Aquila chrysaetos</i>)	BCC, BGEPA/ WL Fully Protected County Group 1	Moderate. Typical foraging habitat includes grassy and open, shrubby habitats. Generally nests on remote cliffs; requires areas of solitude at distance from human habitation. Limited foraging habitat occurs on the preserve.
Long-eared owl (<i>Asio otus</i>)	--/SSC County Group 1	Moderate. Rare resident in San Diego County in shady oak woodlands and broad riparian forests. Ideal habitat includes a closed canopy near open habitats for foraging and a supply of abandoned raptor or corvid nests or debris platforms for nesting.
Burrowing owl (<i>Athene cunicularia</i>)	BCC/ SSC County Group 1	Very low. Typical habitat is grassland open scrublands, agricultural fields, and other areas where there are ground squirrel burrows or other areas in which to burrow.
Red-shouldered hawk (<i>Buteo lineatus</i>)	--/-- County Group 1	High. Inhabits riparian and oak woodlands, orchards, and eucalyptus groves.
Turkey vulture (<i>Cathartes aura</i>)	--/-- County Group 1	High. Species occurs throughout much of San Diego County with the exception of extreme coastal San Diego where development is heaviest. Foraging habitat includes most open habitats with breeding occurring in crevices among boulders.
Northern harrier (<i>Circus cyaneus</i>)	--/SSC County Group 1	Low. Within San Diego County, distribution is primarily scattered throughout lowlands but can also be observed in foothills, mountains, and desert. Typical habitat consists of open grassland and marsh.
Yellow-billed cuckoo (<i>Coccyzus americanus occidentalis</i>)	Candidate, BCC/ SE County Group 1	Low. Generally occurs along larger river systems, where it nests in riparian forest dominated by willows and cottonwoods.
Yellow warbler (<i>Setophaga brewsteri</i>)	--/SSC County Group 2	Likely present. Occurs in riparian forest and scrubs and almost certainly occurs throughout riparian habitats on site.

Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	FE/SE County Group 1	High. Known from the Santa Margarita River. Breeds within thickets of willows or other riparian understory usually along streams, ponds, lakes, or canyons. One of the most important characteristics of the habitat appears to be the presence of dense vegetation, usually throughout all vegetation layers present. Almost all breeding habitats are within close proximity of water or very saturated soil.
California horned lark (<i>Eremophila alpestris actia</i>)	--/WL County Group 2	Low. Found on sandy beaches and in agricultural fields, grassland, and open areas.
Prairie falcon (<i>Falco mexicanus</i>)	BCC/WL County Group 1	High. Nests on cliffs or bluffs and forages over open desert scrub or grassland.
Yellow-breasted chat (<i>Ictera virens</i>)	--/SSC County Group 1	Likely present. Prefers mature riparian woodlands and almost certainly occurs throughout riparian habitat on site.
Loggerhead shrike (<i>Lanius ludocicianu</i>)	BCC/SSC County Group 1	Low. Typical habitat includes open habitats including grasslands, shrublands, and ruderal areas with adequate perching locations.
White-face ibis (<i>Plegadus chichi</i>)	--/WL County Group 1	Low. Occurs in large marshes, with nesting colony hidden in inaccessible reedbed or willow-covered area.
Coastal California gnatcatcher (<i>Polioptila californica californica</i>)	FT/SSC County Group 1	High. Occurs in coastal sage scrub and very open chaparral.
Least Bell's vireo (<i>Vireo bellii pusillus</i>)	FE/SE County Group 1	Likely present. Inhabits riparian woodland and is most frequent in areas that combine an understory of dense, young willows or mule fat with a canopy of tall willows and almost certainly occurs throughout riparian habitat on site.
Mammals		
Pallid bat (<i>Antrozous pallidus</i>)	--/SSC County Group 2	Moderate. Locally common species of low elevations in California. Prefers rocky outcrops, cliffs, and crevices with open habitats for foraging.
Ringtail (<i>Bassariscus astutus</i>)	--/-- County Group 2	High. Found in a mixture of shrubland and forest habitats at low to middle elevations in close association with rocky areas and riparian habitats.
Dulzura pocket mouse (<i>Chaetodipus californicus femoralis</i>)	--/SSC County Group 2	High. Primarily associated with mature chaparral. It has, however, been trapped in mule fat scrub and is known to occur in coastal sage

		scrub.
Northwestern San Diego pocket mouse (<i>Chaetodipus fallax fallax</i>)	--/SSC County Group 2	Low. Occurs in open areas of coastal sage scrub and weedy growth, and often on sandy substrates.
Spotted bat (<i>Euderma maculatum</i>)	--/SSC County Group 2	Low. Prefers sites with adequate roosting habitat (i.e., cliffs); feeds over water and along washes. Rare in California (Zeiner, et al. 1990).
Western mastiff bat (<i>Eumops perotis californicus</i>)	--/SSC County Group 2	Moderate. Suitable habitat consists of extensive open areas with abundant roost locations (crevices in cliff faces, high buildings, trees, tunnels).
Mountain Lion (<i>Felis concolor</i>)	--/-- County Group 2	Present. Requires extensive areas of riparian vegetation and brushy stages of various habitats with interspersed irregular terrain, rocky outcrops, and tree/brush edges. Main prey is mule deer.
Western yellow bat (<i>Lasiurus xanthinus</i>)	--/SSC --	Low. Found in wooded areas and desert scrub, particularly in palm trees. Rare visitor to San Diego County (Bats of San Diego County 2012).
San Diego black-tailed jackrabbit (<i>Lepus californicus bennettii</i>)	--/SSC County Group 2	Low. Found primarily in open habitats including coastal sage scrub, chaparral, grasslands, croplands, and open, disturbed areas if there is at least some shrub cover present.
California leaf-nosed bat (<i>Macrotus californicus</i>)	--/SSC County Group 2	Moderate. Prefers rocky rugged terrain; roosts by day in caves, abandoned mines, and tunnels. Forages over nearby flats and washes.
Small-footed myotis (<i>Myotis ciliolabrum</i>)	--/-- County Group 2	Moderate. Occurs in arid, upland habitats. Prefers open stands in forests and woodlands as well as brushy habitats. Feeds over and drinks from streams, ponds, springs and stock tanks.
Long-eared myotis (<i>Myotis evotis</i>)	--/-- County Group 2	Moderate. In brush, woodland, and forest habitats, but coniferous woodlands and forests seem to be preferred. Roosts in rock crevices, buildings, under bark, and in snags. Feeds along habitat edges, in open habitat, and over water.
Fringed myotis (<i>Myotis thysanodes</i>)	--/-- County Group 2	Low to moderate. Occurs in a wide variety of habitats, but optimal habitats are oak and juniper forests and desert scrub. Roosts in caves, mines, buildings, and crevices. Forages in open habitats, streams, lakes, and ponds; requires water.
Long-legged myotis (<i>Myotis volans</i>)	--/-- County Group 2	Moderate. Feeds over water and over open habitats using denser woodland and forests for reproduction. Drinks regularly. Roosts in rock

		crevices, buildings, under tree bark, in snags, mines and caves.
Yuma myotis (<i>Myotis yumanensis</i>)	--/-- County Group 2	Low. Open forests and woodland are optimal habitat. Closely tied to bodies of water for foraging and drinking. Roosts in buildings, mines, crevices, caves, and under bridges.
San Diego desert woodrat (<i>Neotoma lepida intermedia</i>)	--/SSC County Group 2	Moderate. Occurs in open chaparral and coastal sage scrub, often building large, stick nests in rock outcrops or around clumps of cactus or yucca.
Big free-tailed bat (<i>Nyctinomops macrotis</i>)	--/SSC County Group 2	Low. A rare species in California (Zeiner et al. 1990). Prefers rugged, rocky canyons. Often forages over water. Roosts in crevices in high cliffs or rock outcrops.
Southern grasshopper mouse (<i>Onychomys torridus ramona</i>)	--/SSC County Group 2	Low. Desert habitat is preferred, but it also occurs in coastal scrub and mixed chaparral. It is uncommon in valley foothill and montane riparian habitats.
Townsend's western big-eared bat (<i>Corynorhinus townsendii</i>)	--/SSC County Group 2	Low. Most abundant in mesic habitats. Considered uncommon in California (Zeiner, et al. 1990). Drinks water and requires caves, mines, tunnels, buildings, or other man-made structures for roosting.
American badger (<i>Taxidea taxus</i>)	--/SSC County Group 2	Low. Uncommon resident in California that occurs in herbaceous, scrub, and open stages of most habitats with dry, friable soils (Zeiner et al. 1990).
Southern mule deer (<i>Odocoileus hemionus fuliginata</i>)	--/-- County Group 2	Present. Common in region. Inhabits coastal scrub, chaparral, riparian forests and woodlands, and grasslands.

Adapted from Helix 2015 Report

Appendix E

Explanations of Status Codes for Plant and Animal Species

U.S. Fish and Wildlife Service (USFWS)

FE Federally listed endangered

FT Federally listed threatened

BCC Birds of Conservation Concern (discussed in more detail, below)

BGEPA Bald and Golden Eagle Protection Act (discussed in more detail below)

California Department of Fish and Wildlife (CDFW)

SE State listed endangered

SR State listed rare

ST State listed threatened

SSC State species of special concern

WL Watch List

Fully Protected Fully Protected species refer to all vertebrate and invertebrate taxa of concern to the Natural Diversity Data Base regardless of legal or protection status.

These species may not be taken or possessed without a permit from the Fish and Game Commission and/or CDFW.

County of San Diego

Plant sensitivity:

Group A Plants rare, threatened, or endangered in California or elsewhere

Group B Plants rare, threatened, or endangered in California but more common elsewhere

Group C Plants that may be quite rare, but more information is needed to determine rarity status

Group D Plants of limited distribution and are uncommon, but not presently rare or endangered

Animal sensitivity:

County Sensitive Animals considered under California Environmental Quality Act.

Multiple Species Conservation Program (MSCP) Covered

Multiple Species Conservation Program covered species for which the County has take authorization within the MSCP area.

MSCP Narrow Endemic (NE)

Narrow endemic species are native species that have “restricted geographic distributions, soil affinities, and/or habitats.” The MSCP participants’ subarea plans have specific conservation measures to ensure impacts to narrow endemics are avoided to the maximum extent practicable.

OTHER CODES AND ABBREVIATIONS

USFWS Bald and Golden Eagle Protection Act (BGEPA)

In 1782, Continental Congress adopted the bald eagle as a national symbol. During the next one and a half centuries, the bald eagle was heavily hunted by sportsmen, taxidermists, fisherman, and farmers. To prevent the species from becoming extinct, Congress passed the Bald Eagle Protection Act in 1940. The Act was extremely comprehensive, prohibiting the take, possession, sale, purchase, barter, or offer to sell, purchase, or barter, export or import of the bald eagle “at any time or in any manner.”

In 1962, Congress amended the Eagle Act to cover golden eagles, a move that was partially an

attempt to strengthen protection of bald eagles, since the latter were often killed by people mistaking them for golden eagles. The golden eagle, however, is accorded somewhat lighter protection under the Act than the bald eagle. Another 1962 amendment authorizes the Secretary of the Interior to grant permits to Native Americans for traditional religious use of eagles and eagle parts and feathers.

USFWS Birds of Conservation Concern (BCC)

This report from 2002 aims to identify accurately the migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent USFWS' highest conservation priorities and draw attention to species in need of conservation action. USFWS hopes that by focusing attention on these highest priority species, the report will promote greater study and protection of the habitats and ecological communities upon which these species depend, thereby ensuring the future of healthy avian populations and communities. The report is available online at <http://migratorybirds.fws.gov/reports/bcc2002.pdf>.

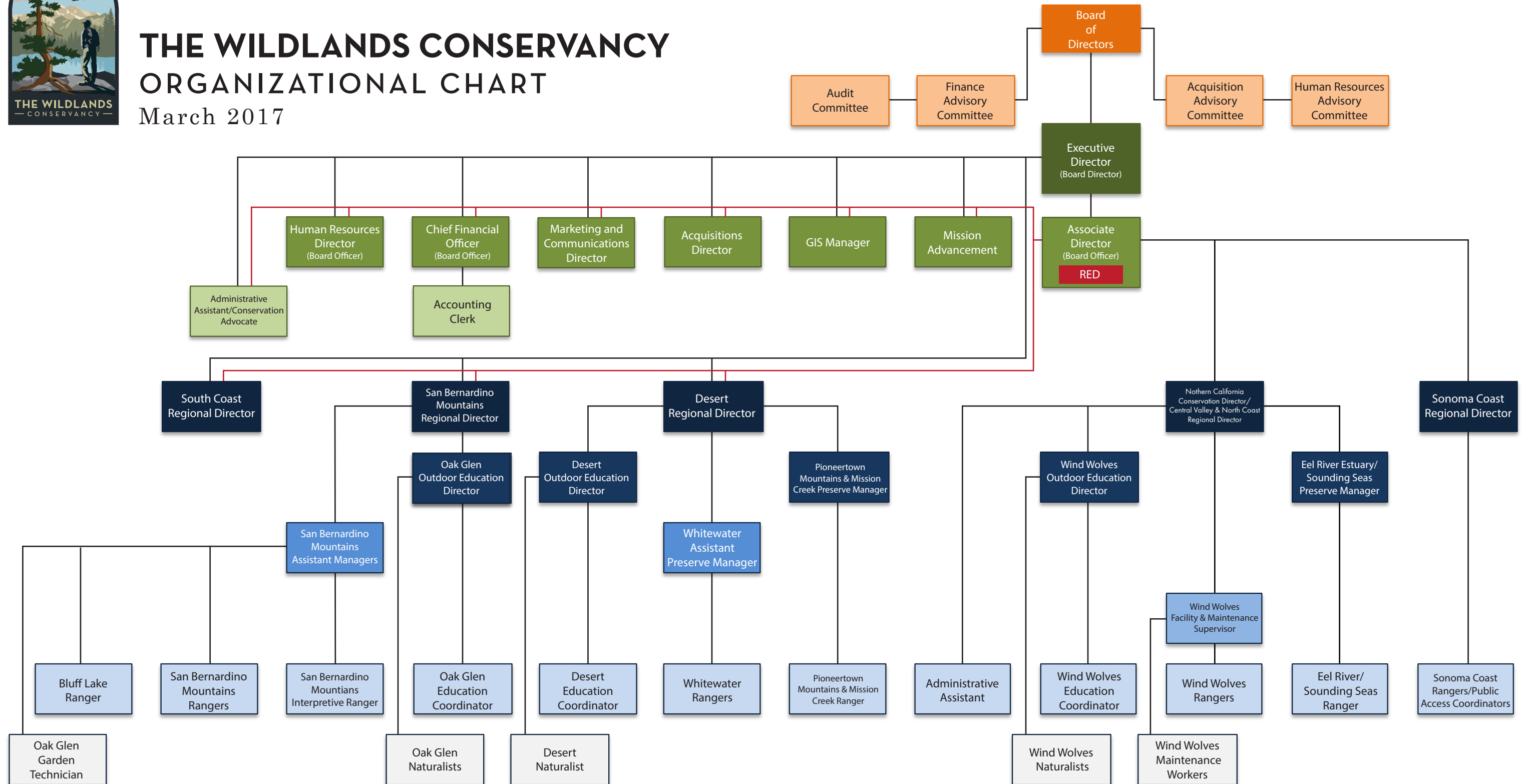
*Adapted from Helix 2015

ATTACHMENT C



THE WILDLANDS CONSERVANCY ORGANIZATIONAL CHART

March 2017




RED Areas where Associate Director is Acting Director in absence of Executive Director.

ATTACHMENT B

THE WILDLANDS CONSERVANCY Board of Directors and Officers

<u>Title</u>	<u>Name</u>	<u>Occupation</u>	<u>Affiliation</u>	<u>Telephone</u>
Directors				
President	Daniel Gelbaum	Investor		(909) 797-8507
Director	Chris Carrillo	Civil Rights Attorney	Law Office of Christopher M. Carrillo	(714) 746-4258
Director	David Gelbaum	CEO Investor	Entech Solar	(909) 797-8507
Director	Frazier Haney	Conservation Director	Mojave Desert Land Trust	(760) 464-5430
Director	David Myers	Executive Director	The Wildlands Conservancy	(909) 797-8507
Director	Carl Pope	Consultant	Inside Straight Strategies	(415) 307-5500
Director	April Sall	President Director	California Desert Coalition Bodie Hills Conservation Partnership	(760) 369-7105
Director	Joan Taylor	Treasurer	Friends of the Desert Mountains Coachella Valley Conservancy	(760) 408-2488
Director	Charles Thomas	Executive Director	Outward Bound Adventures	(626) 818-1564
Officers				
Secretary	Jennifer Malone	Human Resources Director	The Wildlands Conservancy	(909) 797-8507
Vice President	Dan York	Associate Director	The Wildlands Conservancy	(661) 858-1115
CFO	Christina Sanchez	Chief Financial Officer	The Wildlands Conservancy	(909) 797-8507

M E M O

TO: Board of Directors
FROM: Jack Bebee, Assistant General Manager 
DATE: February 26, 2018
SUBJECT: Award of Old Stage Pipeline Replacement Project

Purpose

To present to the Board for approval of award to SRK Engineering, Inc. for construction of the Old Stage Pipeline Replacement Project for \$523,420.

Summary

As part of the District's pipeline and valve replacement program, a priority list of replacement projects were identified based on high rates of past failures and age of the facilities. The pipeline in Old Stage Road was identified as a priority due to leaks, age and condition.

The District staff prepared the design package for the project and solicited for general contractor construction bids. The project consist of approximately 1,000 linear feet of 6" cement mortar lined and coated steel pipe in Old Stage Road (See attached) and associated appurtenances. The following bids were received:

Company	Bid Amount
SRK Engineering, Inc.	\$523,420
J.R. Filanc Construction Company, Inc.	\$537,777
Advanced Chemical Transport, Inc.	\$668,715
TK Construction	\$714,050
M-Rae Engineering, Inc.	\$741,000
California Building Evaluation & Construction	\$749,650
Capriati Construction Corporation	\$799,457
Cass Arrieta	\$863,600

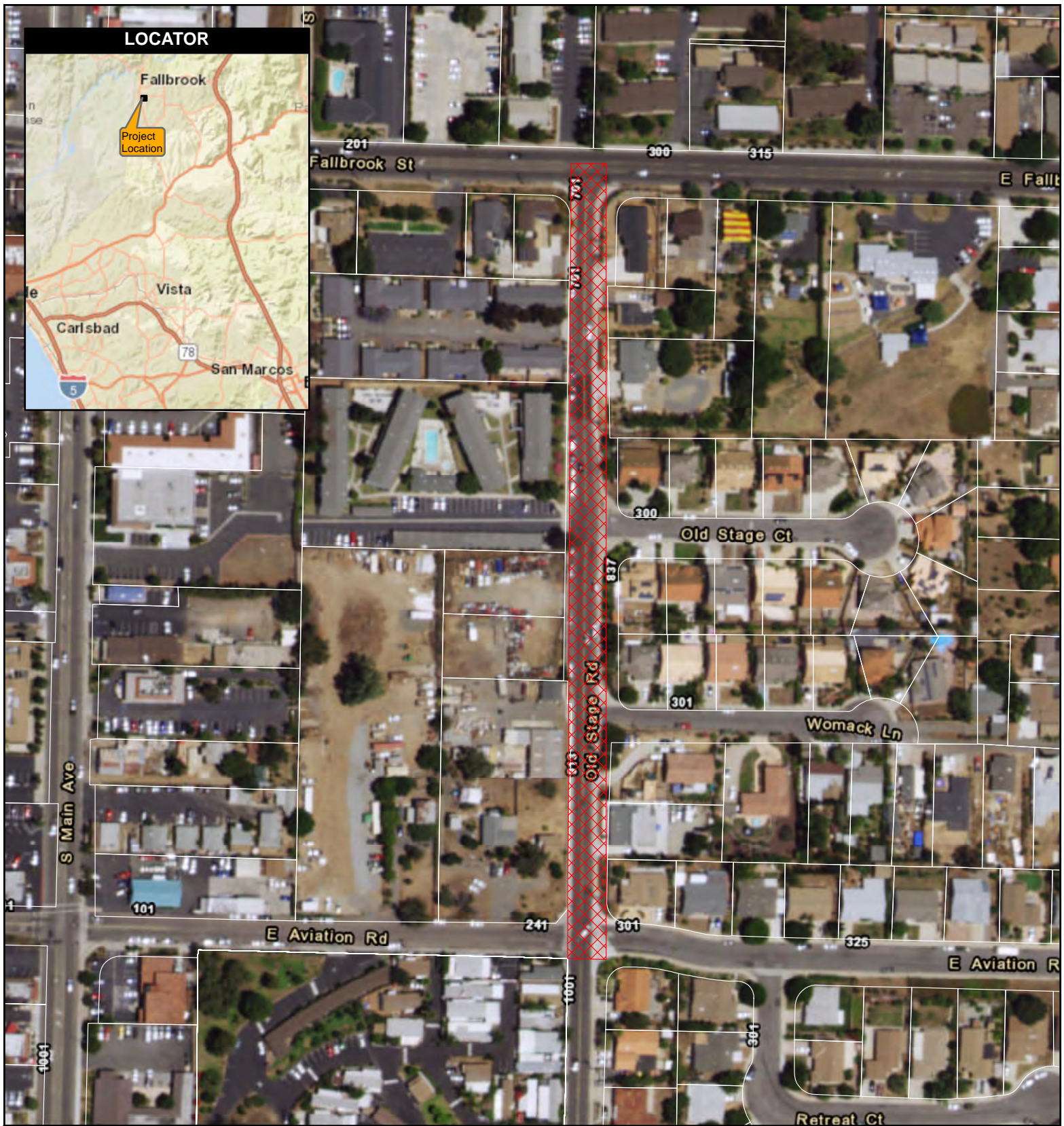
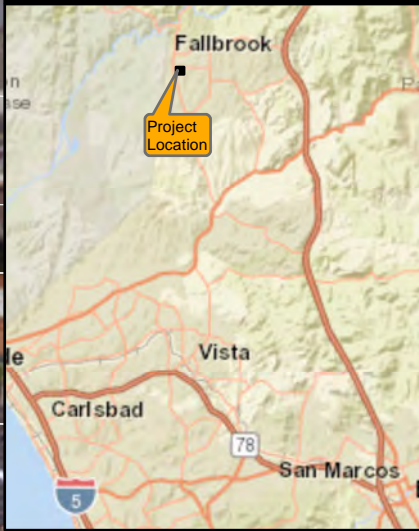
SRK Engineering Inc. was the apparent lowest bidder at \$523,420. Staff had budgeted \$700,000 for the Project. Legal counsel reviewed the bids and the bid met all legal

requirements. While the pipeline experience of the company is limited, staff reviewed the qualifications of the key personnel and followed up with listed contacts for those individuals for past projects and the proposed staff are qualified for the project.

Recommended Action

That the Board authorize award of the Old Stage Pipeline Replacement Project to the apparent lowest responsible bidder of SRK Engineering, Inc. at an amount of \$523,420.

LOCATOR



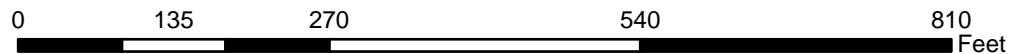
DISCLAIMER: By accepting this map, you agree that the Fallbrook Public Utility District assumes no liability or responsibility of any kind arising from use of this map. This map, its Data, and any calculations associated with this map is provided without warranty of any kind.

LEGEND


 PROJECT LOCATION



OLD STAGE PIPELINE REPAIR (JOB 3061)



M E M O

TO: Board of Directors
FROM: Jack Bebee, Acting General Manager 
DATE: February 26, 2018
SUBJECT: Consider Request for Sewer Service Area Annexation

Purpose

To present to the Board for consideration of proposed annexation of 0.56 acres adjacent to Winter Haven Rd and Hummingbird Hill Lane into the District Sewer Service Area.

Summary


A proposed parcel, 0.56 acres, adjacent to the District sewer service area has requested annexation into the District's sewer service area (see attached). Their septic system has failed. Staff has reviewed the request and the property can be served through existing District facilities in Winter Haven Rd. There is collection systems and treatment capacity to serve the development. At the April 2012, District board meeting, the board approved annexations to the sewer service area with an additional annexation fee, currently \$10,941 per EDU, plus a District processing cost of \$300 and all LAFCO processing fees.

Recommended Action

That the Board provide direction and authorize staff to move forward with preparing materials for consideration by the Board and subsequent submission to LAFCO for annexation of the development to LAFCO. The property owner is responsible for annexation and capacity fees and filing fees to both the District and LAFCO.



MEMO

TO: Board of Directors
FROM: Jack Bebee, Acting General Manager 
DATE: February 26, 2018
SUBJECT: Award of As-Needed Paving Contractors

Purpose

To present for Board consideration recommendation for award of As-needed paving contractors.

Summary

In the past, the District has waited until after sufficient paving was required and then grouped jobs and put them out to bid. This results in long delays between project completion and completion of paving, which results in poor road conditions until final paving. Starting in 2016, the District began to do a competitive selection for as-needed Paving work based on estimated quantities and unit pricing. This allows faster completion of paving work and less traffic disruptions. Each bidder was allowed to submit separately on asphalt and/or concrete paving.

A summary of the results are attached. One bidder Hardy and Harpy Inc. was deemed non-responsive on their asphalt bid as they took an exception to a requirement in the bid to include chip sealing.

The lowest bidder for asphalt paving was Joe's Paving Company, Inc. The next lowest bidder for asphalt paving was Kirk Paving, Inc. The lowest bidder for concrete paving was Hardy and Harper, Inc.

It is recommended to have Joe's Paving Company be identified as the primary asphalt paving contractor, with Kirk Paving, Inc. being identified as a back-up if Joe's Paving cannot complete the work when needed. For concrete paving, since the amount of work required by the District is much more limited, it is recommended to just have one primary contractor of Hardy and Harper, Inc.

The costs for paving are budgeted within the capital and repair jobs that require paving in the proposed budget.

Recommended Action

That the Board authorize an asphalt paving contract not-to-exceed a total of \$328,400 based on the unit costs bid to Joe's Paving Company as the primary contractor with Kirk Paving, Inc. being the secondary contractor using their unit costs bid (The total

combined amount by both Contractors will not exceed \$328,400). That the Board authorize a concrete Paving contract not-to-exceed \$164,800 to Hardy and Harper, Inc. based on the unit costs in their bid. By utilizing this approach, the District will be able to minimize impacts due to pipeline repair and construction.

Fallbrook Public Utility District
Summary of RFP 2017 - 106
Annual Asphalt and Concrete Paving

DESCRIPTION of Paving Services	Joe's Paving Co. Inc. <i>Valley Center, CA</i>	TOTAL	Hardy & Harper, Inc <i>Santa Ana, CA</i>	TOTAL	Kirk Paving Inc. <i>Lakeside, CA</i>	TOTAL	A&Y Asphalt Contractors <i>Norco, CA</i> Unit Pricing	TOTAL
ANNUAL ASPHALT COST		328,400*		NON RESPONSIVE** 514,150		570,500		889,100
ANNUAL CONCRETE COST		325,000		164,800*		362,500		424,400

* Indicates Lowest Responsive Bid

** Bidder took exception to chip sealing which is required

M E M O



TO: Board of Directors
FROM: Noelle Denke, Public Affairs Specialist
DATE: February 26, 2018
SUBJECT: Letters of Opposition to SB 623

Purpose

To adopt a position of opposition to Senate Bill 623, unless it is amended, and submit letters to legislators on behalf of the Board and District.

Summary

Of interest to the District is a measure actively moving through the legislative process in Sacramento that would place a state tax on drinking water. The tax would fund safe drinking water for all Californians, especially those in disadvantaged communities. SB 623 (Monning) is a two-year bill introduced in 2017 and is a Brown Administration budget trailer bill. It would require California's water agencies to collect this tax for the state.

The Association of California Water Agencies (ACWA) opposes this bill as currently written and is asking local agencies to submit letters of opposition to legislators. ACWA takes the position of supporting the goal of ensuring safe drinking water for all Californians, however taxing Californians for something that is essential to life does not make sense, especially at a time when many are raising concerns about the cost of water and the cost of living in the state. As an alternative, ACWA is working to advance a more appropriate package of funding which would include existing federal funds from the Safe Drinking Water State Revolving Fund (SRF), along with voter-approved general obligation bonds, the assessments related to nitrates in groundwater proposed in the budget trailer bill and in SB 623, and a limited amount of general fund dollars.

Recommended Action

That the Board adopt a position of opposition to Senate Bill 623, unless it is amended, and authorize staff to submit the following letters to legislators on behalf of the Board and District.



990 East Mission Road
Fallbrook, California
92028-2232

(760) 728-1125

Board of Directors

Milt Davies
Jennifer DeMeo
Al Gebhart
Don McDougal
Charley Wolk

Staff

Jack Bebee
Acting General Manager

David Shank
*Assistant General Manager/
Chief Financial Officer*

Paula de Sousa Mills
General Counsel

Mary Lou West
Secretary

February 27, 2018

State Assembly Member Marie Waldron
State Capitol, Room 4130
Sacramento, CA 94249

State Senator Joel Anderson
State Capitol, Room 5052
Sacramento, CA 95814

**Re: Proposed Drinking Water Tax: Budget Trailer Bill and SB 623 –
OPPOSE UNLESS AMENDED**

Dear Assembly Member Waldron and Senator Anderson,

I am writing to express our strong opposition to a proposed state tax on drinking water before the California Legislature. The proposal is being advanced through SB 623 by Sen. William Monning (D-Carmel), a two-year bill introduced in 2017, and a Brown Administration budget trailer bill that is based on SB 623.

As a local water agency, we are committed to delivering safe and reliable water. We wholeheartedly support the goal of ensuring safe drinking water for all Californians, especially those in disadvantaged communities. However, taxing Californians for something that is essential to life does not make sense, especially at a time when some are raising concerns about the cost of living in the state. Our agency has serious concerns with requiring California's local water agencies to collect this tax for the state. Simply put, taxing drinking water – an essential life-sustaining resource – is just not sound policy.

As an alternative, we are working to advance a more appropriate package of funding, which would include existing federal funds from the Safe Drinking Water State Revolving Fund (SRF), voter-approved general obligation bonds, the assessments related to nitrates in groundwater proposed in the budget trailer bill and in SB 623, and a limited amount of general fund dollars.

For these reasons, Fallbrook Public Utility District opposes the budget trailer bill related to a tax on drinking water and SB 623 and respectfully requests your "NO" vote on these measures.

If you or members of your staff have any questions, please contact me at 760-728-1125 or jackb@fpud.com.

Sincerely,

Jack Bebee
Acting General Manager

cc: The Honorable William W. Monning
Ms. Kim Craig, Deputy Cabinet Secretary, Office of the Governor



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Fallbrook, California
92028-2232

(760) 728-1125

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*Assistant General Manager/
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General Counsel

Mary Lou West
Secretary

February 27, 2018

The Honorable Bob Wieckowski, Chair
Senate Budget Subcommittee No. 2
State Capitol, Room 4085
Sacramento, CA 95814

The Honorable Richard Bloom, Chair
Assembly Budget Subcommittee No. 3
State Capitol, Room 2003
Sacramento, CA 95814

**Re: Proposed Drinking Water Tax: Budget Trailer Bill and SB 623 –
OPPOSE UNLESS AMENDED**

Dear Chair Wieckowski and Chair Bloom,

I am writing to express our strong opposition to a proposed state tax on drinking water before the California Legislature. The proposal is being advanced through SB 623 by Sen. William Monning (D-Carmel), a two-year bill introduced in 2017, and a Brown Administration budget trailer bill that is based on SB 623.

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If you or members of your staff have any questions, please contact me at 760-728-1125 or jackb@fpud.com.

Sincerely,

Jack Bebee
Acting General Manager

cc: Members, Senate Budget Subcommittee No. 2
Members, Assembly Budget Subcommittee No. 3
The Honorable William W. Monning
Ms. Kim Craig, Deputy Cabinet Secretary, Office of the Governor

Kelly Laughlin

Subject: FW: ACWA Seeking Contributions for "No Drinking Water Tax Campaign"
Attachments: image001.png; ATT00001.htm; No Drinking water tax pledge form.pdf; ATT00002.htm

From: Jack Bebee
Sent: Wednesday, February 21, 2018 9:21 AM
To: Kelly Laughlin <kellyl@fpud.com>
Subject: Fwd: ACWA Seeking Contributions for "No Drinking Water Tax Campaign"

Sent from my iPhone

Begin forwarded message:

From: Timothy Quinn <Tim.Quinn@acwa.com>
Date: February 21, 2018 at 11:14:18 AM CST
To: Cindy Tuck <CindyT@acwa.com>, Heather Engel <HeatherE@acwa.com>, "Paula Currie" <PaulaC@acwa.com>
Cc: Lili Vogelsang <LiliV@acwa.com>, Michaela Martinez <MichaelaM@acwa.com>, Donna Pangborn <DonnaP@acwa.com>
Subject: ACWA Seeking Contributions for "No Drinking Water Tax Campaign"

Dear No Drinking Water Tax Coalition Member,

Hopefully you saw ACWA's Outreach Alert distributed last week urging member agencies to join ACWA's coalition against SB 623 (Monning) and the budget trailer bill related to a tax on drinking water and take specific steps to advocate against the proposed tax.

As you know, fighting the tax on drinking water is one of the most important efforts undertaken by ACWA and member agencies in recent years. ACWA staff has done a commendable job to date. However, considering the potential negative consequences of this proposed tax and the dangerous precedent that it could set, I strongly believe that we need to do much more.

Therefore, ACWA is launching a fund-raising effort this week to secure an outside public affairs firm to help develop a more strategic external affairs campaign and assist with coalition building outside the water industry. We also intend to fund an advertising campaign focused on key legislative districts. We hope to secure enough funding to potentially sustain a campaign through the summer.

I urge you to submit a voluntary contribution to fund this effort. Based on the size of your agency, we recommend a contribution of at least \$10,000.00. Please use the attached contribution form to let us know whether you will be making a contribution.

If you have any questions or concerns, please don't hesitate to contact me directly at timq@acwa.com or ACWA's Director of Communications Heather Engel, heathere@acwa.com. We will be happy to schedule an in-person meeting with your agency to discuss strategy or funding.

Best regards,

Tim Quinn

Executive Director

Association of California Water Agencies

916.441.4545 | timq@acwa.com | www.acwa.com

CONTRIBUTION FORM

Please Print or Type

MEMBER AGENCY INFORMATION

Organization

Contact Person

Phone

Email

Billing Address

City, State, Zip

CONTRIBUTION INFORMATION

We contribute a total of

\$

Payment Option

Please send an invoice for processing

A check will be mailed to ACWA within 30 days.

Please make check payable to ACWA and mail it to 910 K Street, Ste. 100, Sacramento, CA 95814.

Please send this completed form to Michaela Martinez at michaelam@acwa.com

Printed Name

Title

Signature

Date

WE CAN SOLVE IT WITHOUT A
DRINKING WATER TAX

1. Water Supply and Water Costs

The water supply conditions in both the state and Colorado river basin are well below normal. Statewide the snow levels are about 20% of normal and upper Colorado River snowpack was about 60% of normal. The year is anticipated to end well below normal. From a San Diego regional water supply perspective, there is confidence by SDCWA in meeting regional demand needs due to local investments in storage and new supplies such as the Carlsbad Desalination Plant. Total SDCWA Sales through from July 1 thru November 30th for the SDCWA were 199,748 AF which was 7% below what was budget. Revenues were also 7% below what was budget as would be expected, but water purchase costs were 14% below what was budgeted, largely due to under-deliveries by the Desalinization plant, which has higher unit water costs.

Metropolitan Water District (MWD) released preliminary rates and they are projecting about a 3% overall rate increase. The actual rate increase to SDCWA is not exactly clear. MWD has also included preliminary numbers for the Delta Fix, which begin to ramp up from \$4 million in 2019 to \$230 million in 2028.

2. Legislation

SDCWA continues to monitor some key legislation that would impact local water district's operations. The State Water Resources Control Board (SWRCB) has issues regulations Prohibiting Wasteful Water Use Practices. These regulations have a number of problematic aspects. Some of the key concerns are:

1. The legal authority of SWRCB to implement this regulation
2. Prohibiting watering after measurable rainfall with an unreasonable definition of measurable.
3. Statewide prohibition on serving drinking water at restaurants unless it is specifically requested
4. Prohibitions on turf irrigation even with recycled water

Comments will be provided by both SDCWA, ACWA as well as many other member agencies to address these concerns.

In addition to this legislation, there are concerns over potential legislation creating a water tax to fund Disadvantages Communities and new long-term water use efficiency regulations. At this time, these efforts appear to be on hold, but they are being monitored closely by SDCWA.

3. MWD Litigation

There continue to be a number of outstanding litigation issues between MWD and SDCWA. SDCWA made a Public Records Request for MWDs rate model. The dispute is related to the requirement to provide a live spreadsheet versus just data. The hearing is scheduled for March 5th. The other litigation is related to remaining issues on the wheeling rate charged to SDCWA for QSA water and there is no recent formal actions on this litigation.

Summary of Key Priorities during interim period

1. Public Outreach

Action: Continue Public Outreach. Keep Board informed of outreach efforts.

Status: Staff has done presentations with the community forum, chamber of commerce, Rotary Club of Fallbrook and is scheduling a presentation with the Foundation for Senior Care. Staff is working with the high school to set-up a local internship program for juniors and seniors.

Future Actions: Hold meetings with public groups to continue to identify the role the District serves in the community and priorities of the District to make sure ratepayer funds are spent efficiently. Establish internship program for this upcoming summer.

2. District Budget and Financial Reports

Action: Continue to Improve District budgeting process and financial reporting to the Board.

Status: Budget status update presented in the January meeting. Improvements in accounting system are underway. Auditor selection process is underway and interviews are scheduled for March 14 and 15.

Future Actions: Complete improvements in audit system before initiating audit in April. Complete auditor selection. Complete budget process improvements and have draft budget to FP&I in April.

3. Santa Margarita Property

Action: Review proposals received for the Notice to Interested Parties Regarding Notice Transfer or Other Arrangement for Property. Continue to maintain safe operation of the property.

Status: One proposal was received. District continues to utilize outside security to help maintain property operations. Security hours will be adjusted as needed.

Future Actions: Work with the Board to evaluate the proposal and identify the preferred approach.

4. Santa Margarita Conjunctive Use Project

Action: Complete steps necessary to issue the project for Construction.

Status: Settlement agreement complete and adopted by the board. Before the State Revolving Fund (SRF) funding can be secured for construction, the water rights permit changes must be approved by the State Water Resources Control Board (SWRCB). The SWRCB is processing the permits and all information has been provided to them.

Future Actions: Work to get water rights finalized so SRF funding can be finalized. Target securing SRF funding by end of March 2017 and advertise for construction in early summer 2018.

Status of Key Capital Projects

Harris PS Electrical Improvements

Awarded Construction Cost	\$392,750
Change Orders	\$ -
Total Cost	\$ 392,750.00
Total Completed	\$ 22,000.00
Percent Complete	6%
End Date	6/4/2018
Days Added	
Funding Source	Water Capital

SMRCUP Design

Awarded Design Cost*	\$ 3,205,140.00
Contract Ammendments	\$ 2,619.00
Total Cost	\$ 3,207,759.00
Total Completed	\$2,431,431
Percent Complete**	76%
End Date	4/1/2017
Days Added	0
* Only Preliminary Design and Design Task was Authorized for \$2,433,846	
**Authorized Tasks Completed (Design Complete)	
Funding Source	Prop 50 Grant: \$2.4 Million Balance Water Capital

Overland Trail Lift Station Design

Awarded Design Cost	\$252,842
Change Orders	\$ -
Total Cost	\$ 252,842.00
Total Completed	\$ -
Percent Complete	0%
End Date	
Days Added	
Funding Source	Wastewater Capital

8 MG Tank Recoating

Awarded Construction Cost	\$804,060
Change Orders	\$ -
Total Cost	\$ 804,060.00
Total Completed	\$ 423,684.00
Percent Complete	53%
End Date	3/18/2018
Days Added	
Funding Source	Water Capital

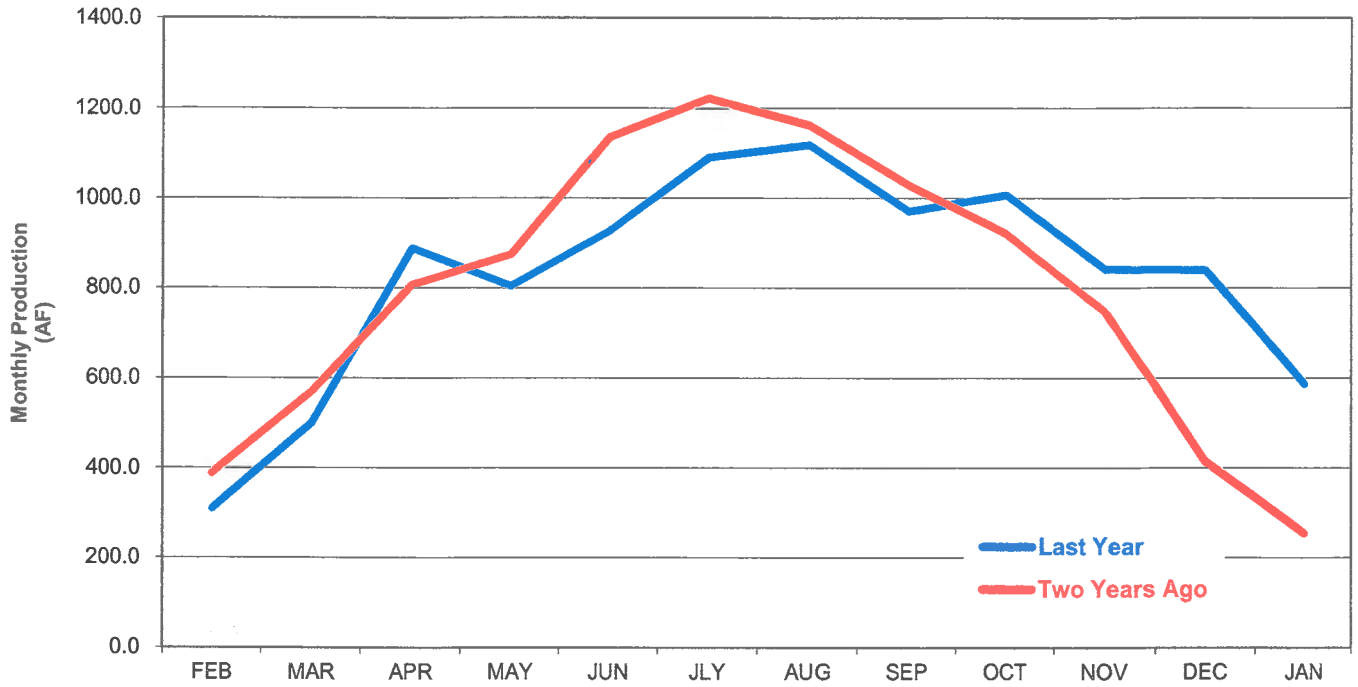
Old Stage Pipeline Replacement

Awarded Construction Cost	Bids received, award to be requested in February
Change Orders*	
Total Cost	
Total Completed	
Percent Complete	
End Date	
Days Added	
Funding Source	

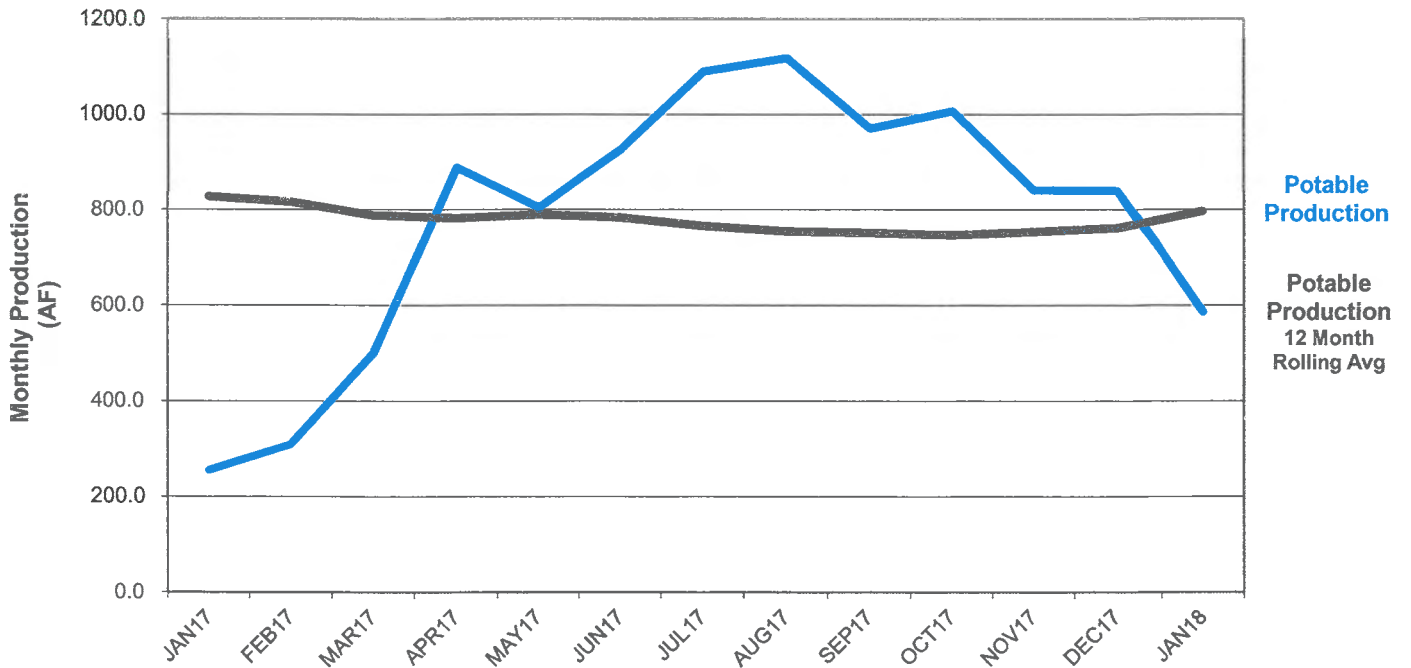
24" FB3 Pipeline Replacement Under I-15

Awarded Construction Cost	\$ 460,727
Change Orders*	\$ -
Total Cost	\$ 460,727
Total Completed	\$ -
Percent Complete	0%
End Date	
Days Added	
Funding Source	

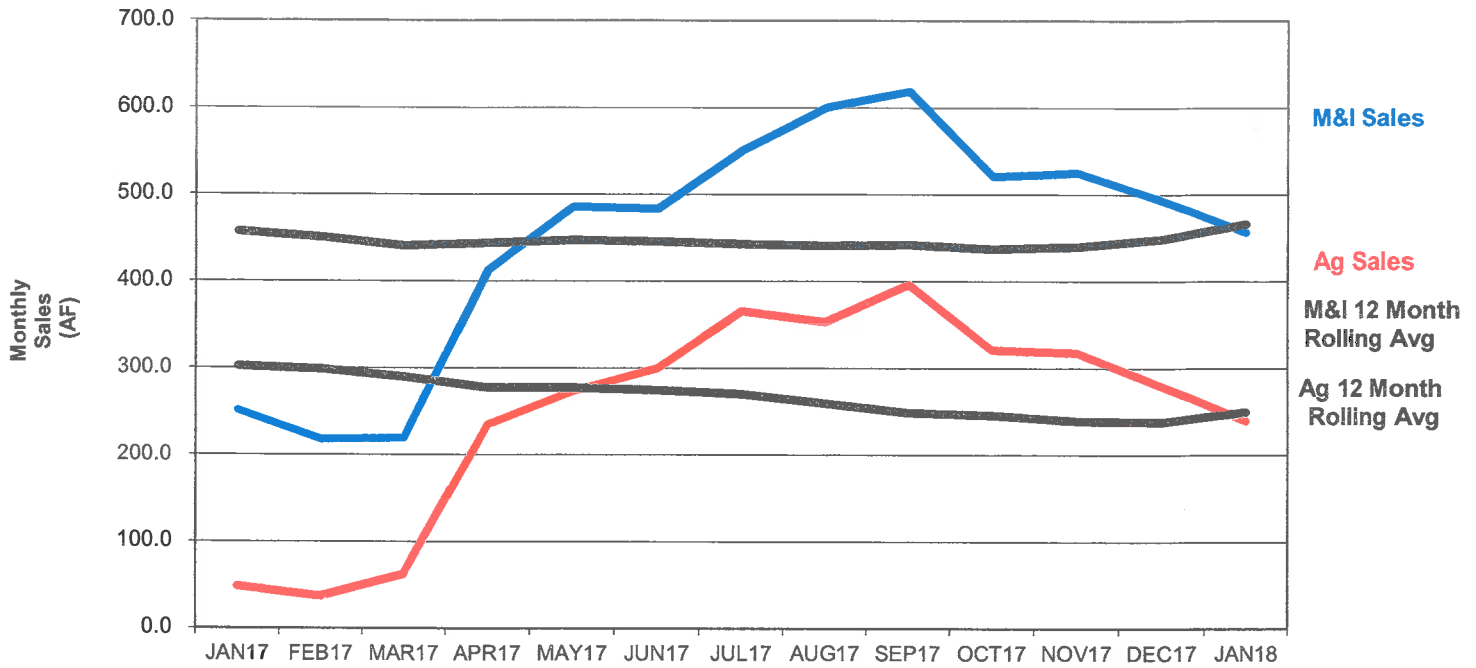
Fallbrook Public Utility District Annual Production



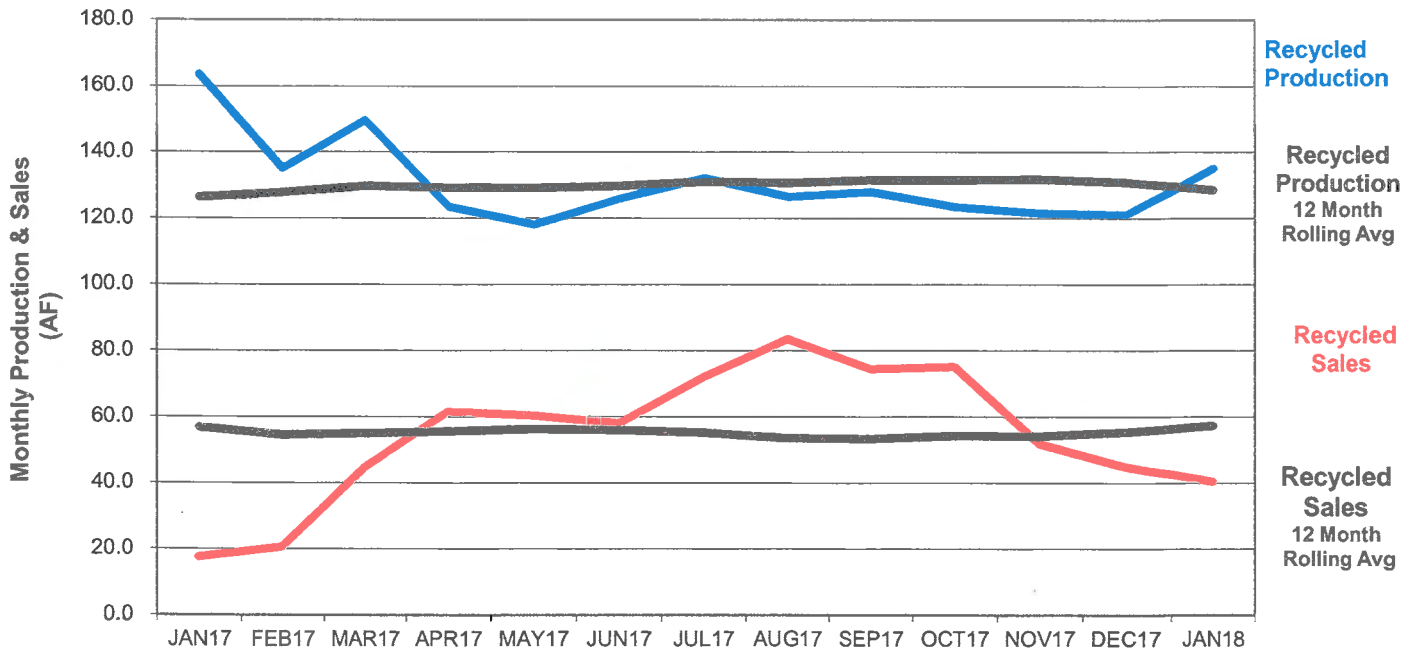
Fallbrook Public Utility District Total Potable Production



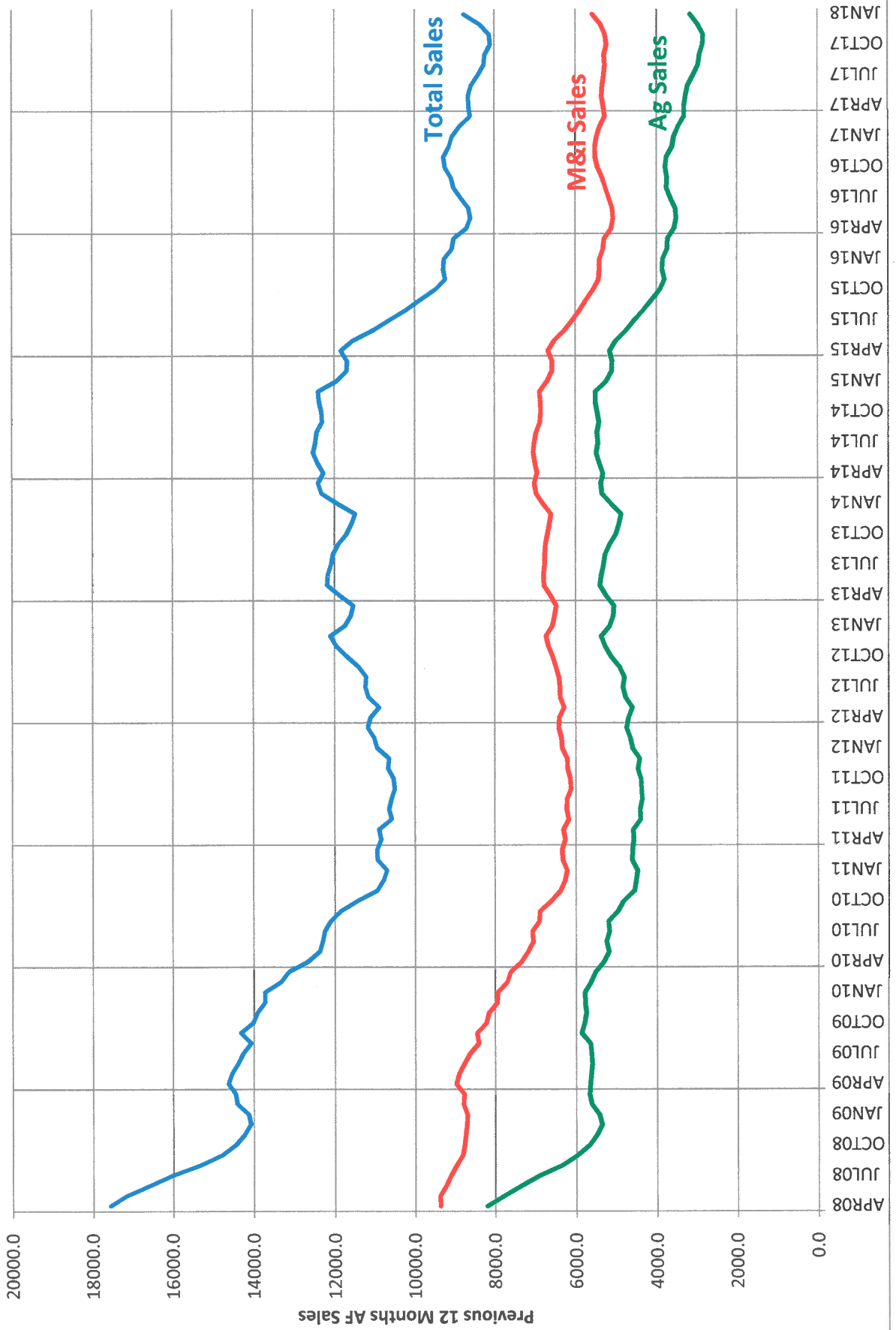
Fallbrook Public Utility District Ag and M&I Sales



Fallbrook Public Utility District Recycled Water Production & Sales

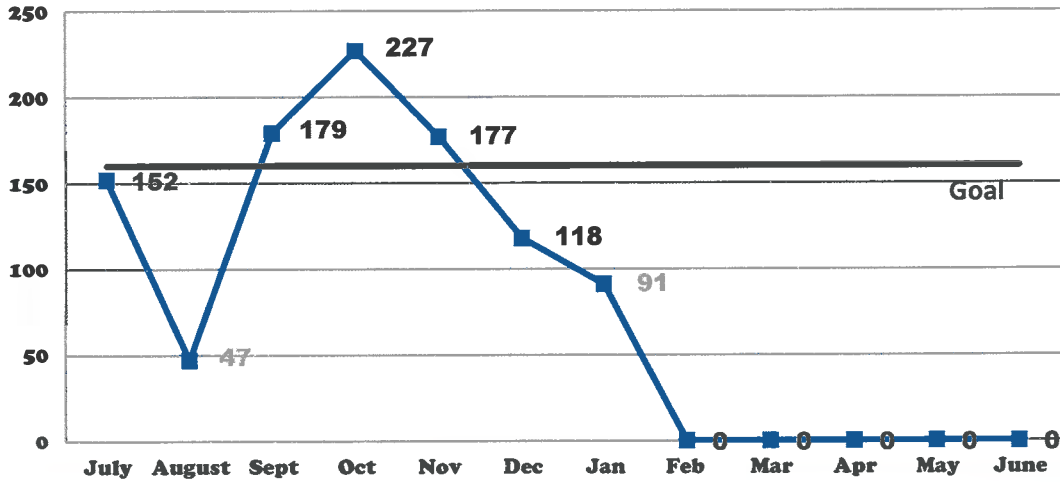


FPUD 12 Month Running Water Sales



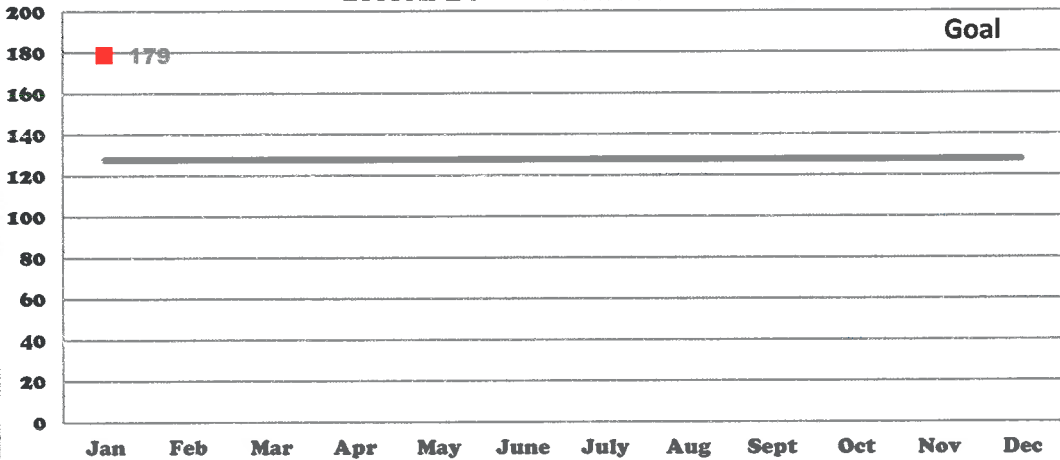
**DEPT 5
MONTHLY REPORTS**

METER EXCHANGE PROGRAM 2017 - 2018



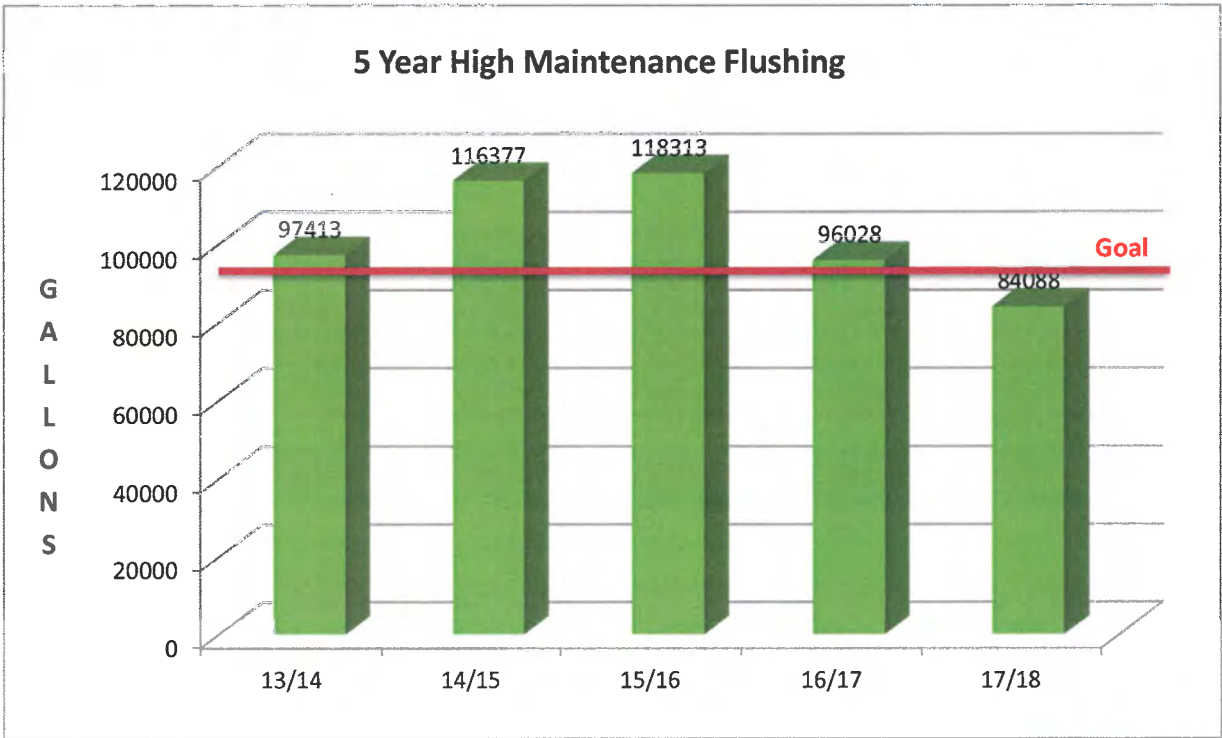
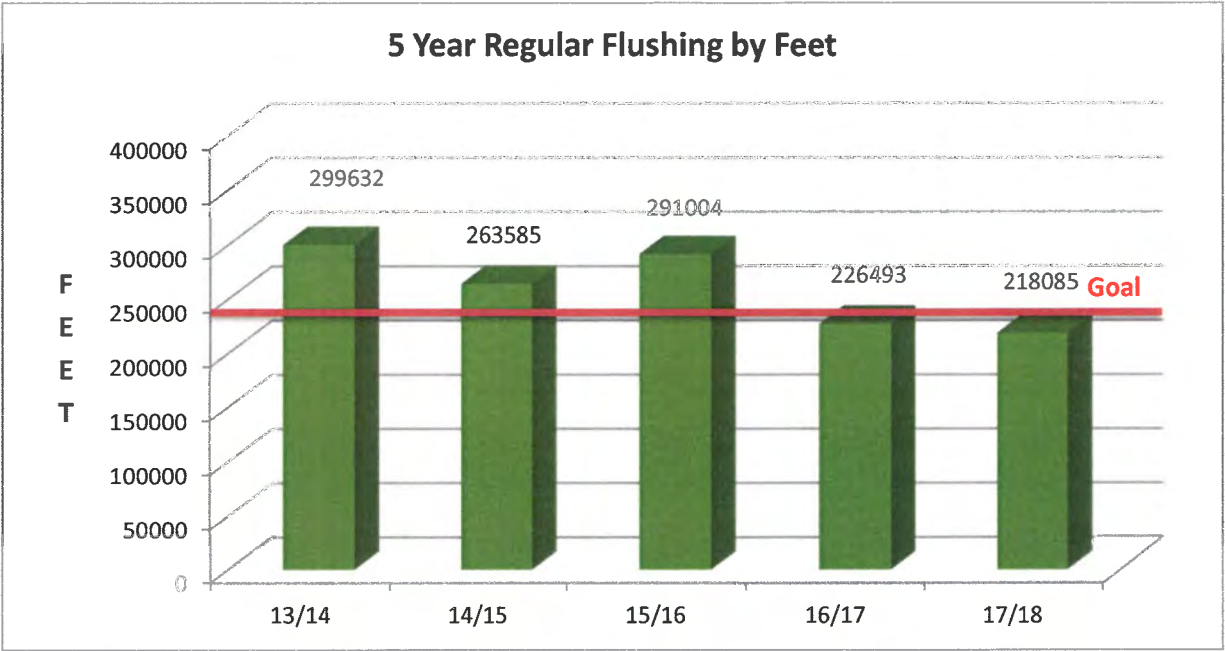
TOTAL # METERS TO EXCHANGE: 1920
TOTAL # METERS EXCHANGED: 991
METERS LEFT TO EXCHANGE: 929
PERCENTAGE REMAINING 48.39%

BACKFLOW TESTING 2018 - 2019

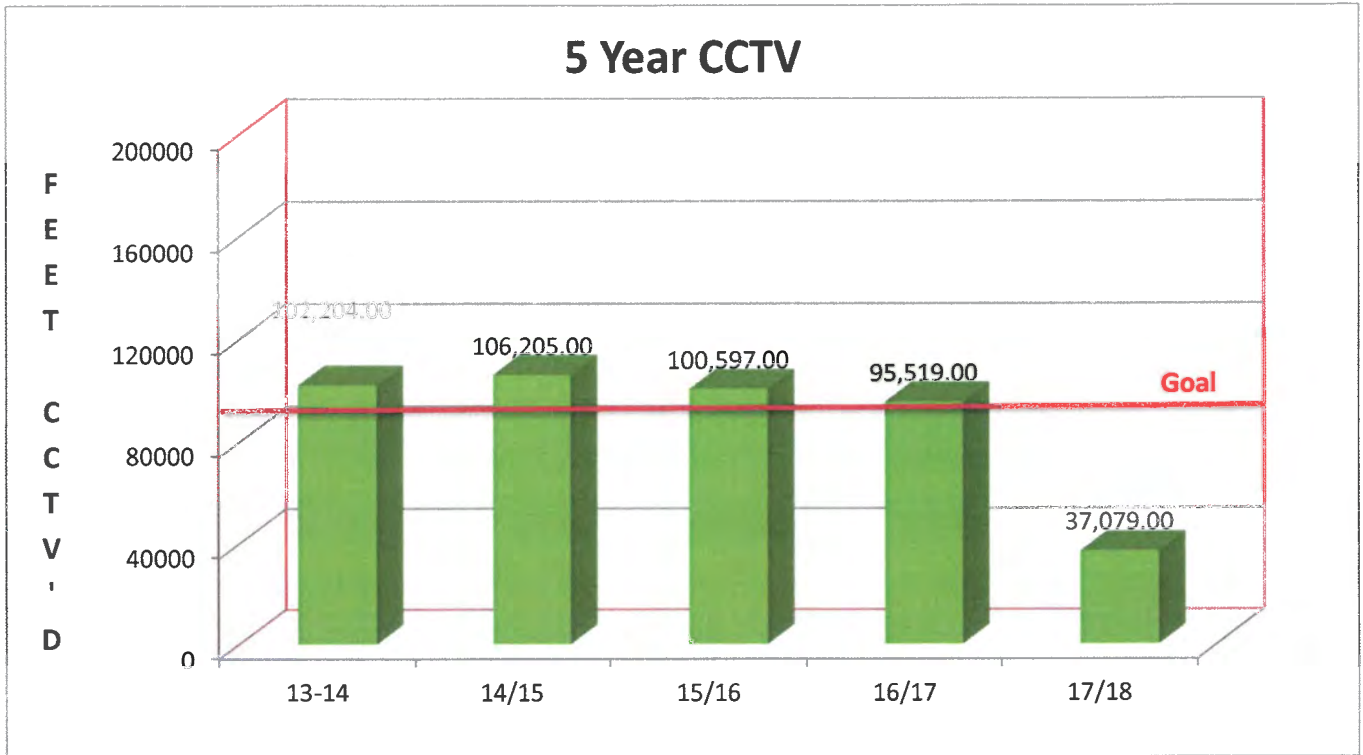


TOTAL TESTED GOAL: 1505
TOTAL TESTED TO DATE: 179
TOTAL NUMBER OF DEVICES ON STAND BY: 126
DEVICES REMAINING TO TEST: 1200
PERCENTAGE REMAINING 79.73%

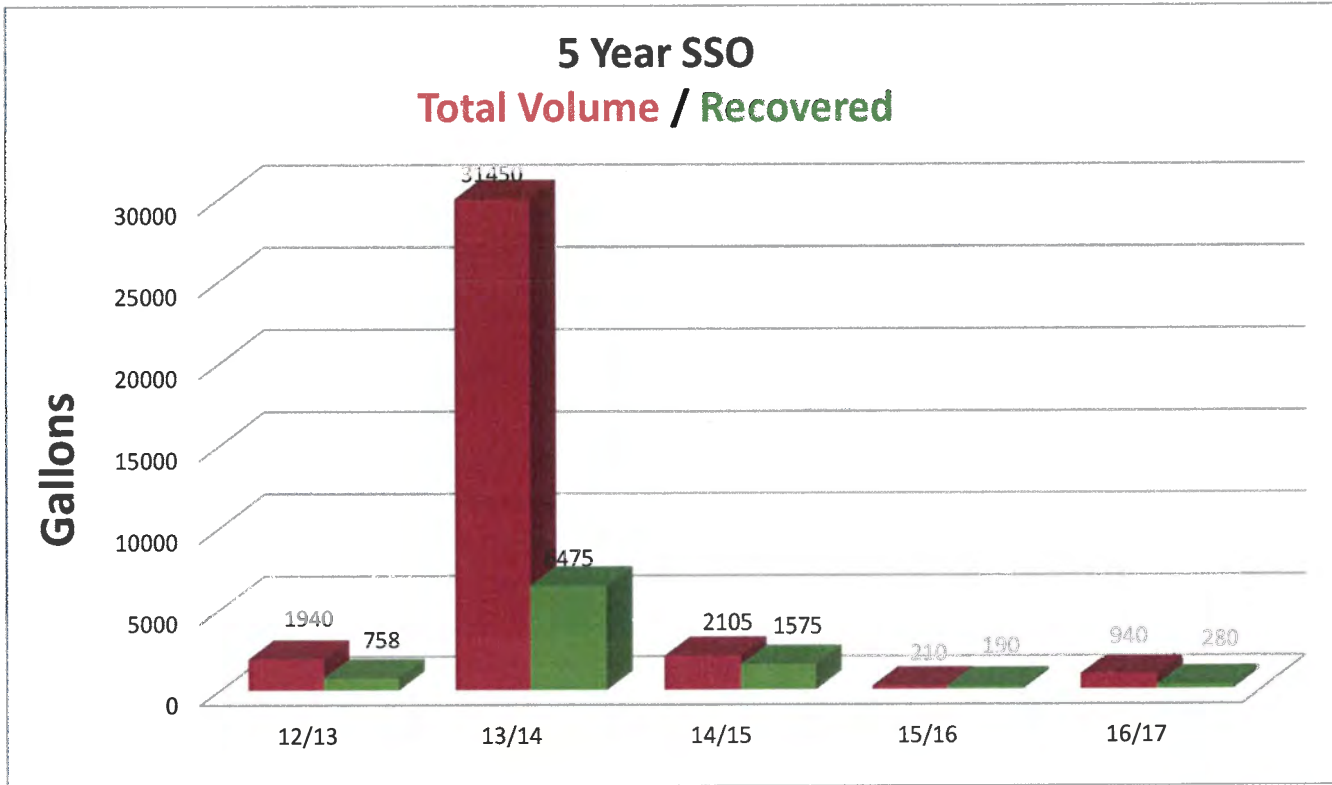
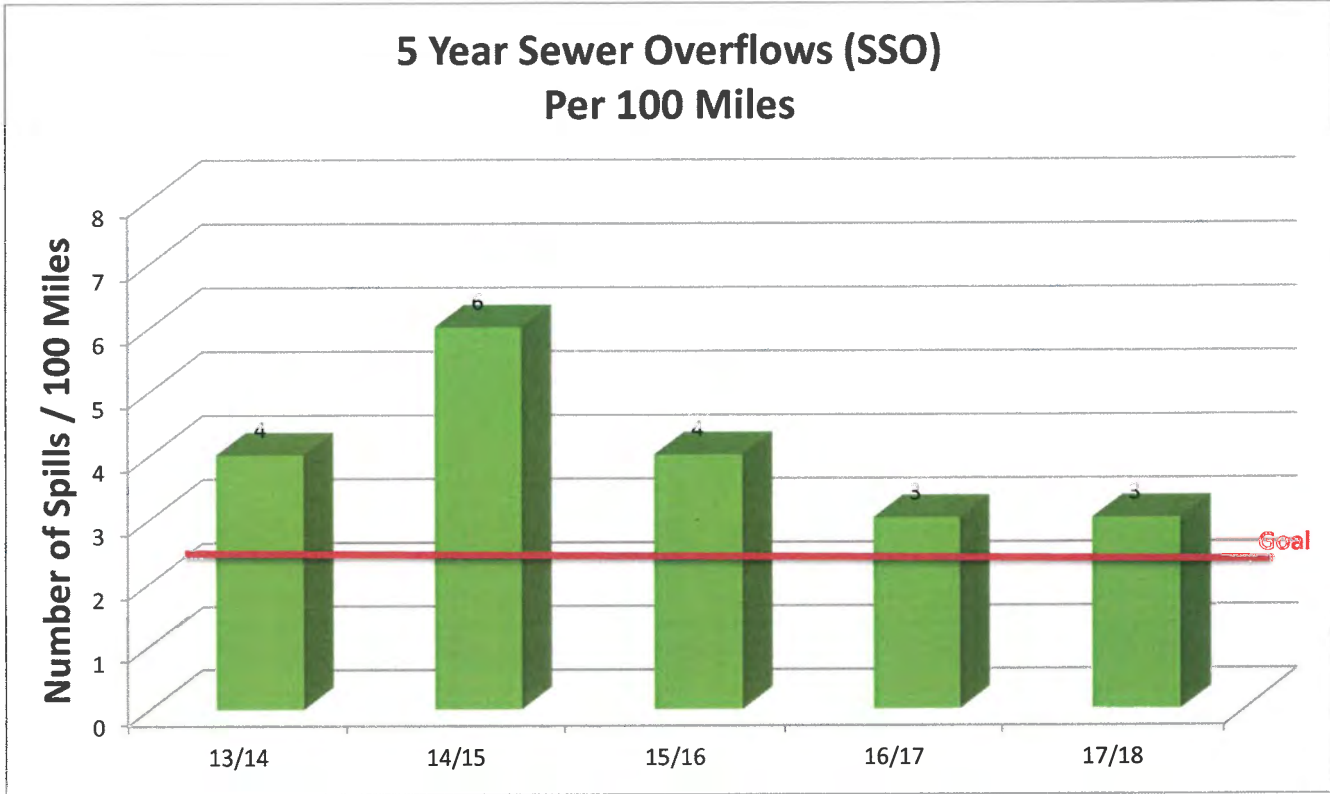
COLLECTION MONTHLY REPORT



COLLECTION MONTHLY REPORT



COLLECTION MONTH REPORT





990 East Mission Road
 Fallbrook, California
 92028-2232

(760) 728-1125

Board of Directors

Milt Davies
 Jennifer DeMeo
 Al Gebhart
 Don McDougal
 Charley Wolk

Staff

Jack Bebee
Acting General Manager

David Shank
*Assistant General Manager/
 Chief Financial Officer*

Paula de Sousa Mills
General Counsel

Mary Lou West
Secretary

Treasurer's Report
 January 31, 2018

Money Market Account


Disbursements		2,759,673.83
Receipts	\$	3,062,616.26
Interest		
Balance as of 12/31/2017	\$	1,660,864.84
Balance as of 01/31/2018	\$	1,963,807.27

Operating Account

Disbursements	\$	3,000,129.84
Receipts	\$	2,749,900.00
Balance as of 12/31/2017	\$	260,424.01
Balance as of 01/31/2018	\$	10,194.17

All investments have been made in accordance with the District's
 Annual Statement of Investment Policy.

David Shank
 February 20 2018



pfm PFM Asset Management LLC
 One Keystone Plaza, Suite 300 • North Front & Market Streets • Harrisburg, PA 17101

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Reports - Transaction Query Results

TRANSACTION DETAILS FOR:
 DATE RANGE: 1/1/2018 - 1/31/2018
 TRANSACTION TYPE: All Types

28710100 - FPUD - INVESTMENT PORTFOLIO

Transaction Type	Trade Date	Settle Date	Security Description	CUSIP	Principal Proceeds	Accrued Interest	Total Amount
INTEREST	1/1/2018	1/25/2018	FNMA SERIES 2016-M9 ASQ2	3136ASPX8	\$0.00	\$68.66	\$68.66
PAYDOWNS	1/1/2018	1/25/2018	FNMA SERIES 2016-M9 ASQ2	3136ASPX8	\$3,143.49	\$0.00	\$3,143.49
BUY	1/2/2018	1/4/2018	US TREASURY NOTES	9128282P4	\$241,363.28	\$1,959.83	\$243,323.11
BUY	1/2/2018	1/4/2018	US TREASURY NOTES	912828H52	\$315,662.50	\$1,706.52	\$317,369.02
SELL	1/2/2018	1/4/2018	BANK OF BARODA LT CD	0606246K4	\$245,318.50	\$935.70	\$246,254.20
SELL	1/2/2018	1/4/2018	CAPTIAL ONE BANK USA NA LT CD	14042E5N6	\$244,755.00	\$1,654.59	\$246,409.59
INTEREST	1/2/2018	1/2/2018	MONEY MARKET FUND	MONEY0002	\$0.00	\$58.24	\$58.24
INTEREST	1/10/2018	1/10/2018	SVENSKA HANDELSBANKEN NY LT CD	86958JHB8	\$0.00	\$1,932.00	\$1,932.00
INTEREST	1/15/2018	1/15/2018	JOHN DEERE ABS 2017-B A3	47788BAD6	\$0.00	\$45.50	\$45.50
INTEREST	1/15/2018	1/15/2018	HYUNDAI ABS 2016-B A3	44891EAC3	\$0.00	\$80.63	\$80.63
INTEREST	1/15/2018	1/15/2018	FORD ABS 2017-A A3	34531EAD8	\$0.00	\$132.21	\$132.21
INTEREST	1/15/2018	1/15/2018	FORDO 2017-C A3	34532AAD5	\$0.00	\$234.50	\$234.50
INTEREST	1/15/2018	1/15/2018	TOYOTA ABS 2016-B A3	89231UAD9	\$0.00	\$116.17	\$116.17
INTEREST	1/15/2018	1/15/2018	CNH 2017-A A2	12636WAB2	\$0.00	\$196.39	\$196.39
INTEREST	1/15/2018	1/15/2018	ALLYA 2017-5 A3	02007YAC8	\$0.00	\$182.42	\$182.42
INTEREST	1/15/2018	1/15/2018	JOHN DEERE ABS 2017-A A3	47787XAC1	\$0.00	\$44.50	\$44.50
INTEREST	1/15/2018	1/15/2018	CARMAX ABS 2016-3 A2	14314EAB7	\$0.00	\$36.64	\$36.64
INTEREST	1/15/2018	1/15/2018	ALLY ABS 2017-4 A3	02007FAC9	\$0.00	\$145.83	\$145.83
INTEREST	1/15/2018	1/15/2018	TOYOTA ABS 2016-C A3	89237WAD9	\$0.00	\$42.75	\$42.75
INTEREST	1/15/2018	1/15/2018	JOHN DEERE ABS 2016-B A3	47788NAC2	\$0.00	\$36.46	\$36.46
PAYDOWNS	1/15/2018	1/15/2018	TOYOTA ABS 2016-B A3	89231UAD9	\$7,458.15	\$0.00	\$7,458.15
PAYDOWNS	1/15/2018	1/15/2018	CARMAX ABS 2016-3 A2	14314EAB7	\$8,075.41	\$0.00	\$8,075.41
PAYDOWNS	1/15/2018	1/15/2018	CNH 2017-A A2	12636WAB2	\$27,071.25	\$0.00	\$27,071.25
INTEREST	1/17/2018	1/17/2018	CITIBANK ABS 2017-A2 A2	17305EGA7	\$0.00	\$1,044.00	\$1,044.00
INTEREST	1/20/2018	1/20/2018	AMERICAN HONDA FINANCE CORP NOTES	02665WBT7	\$0.00	\$243.75	\$243.75
INTEREST	1/22/2018	1/22/2018	JP MORGAN CHASE & CO NOTES	46625HHS2	\$0.00	\$10,010.00	\$10,010.00
INTEREST	1/24/2018	1/24/2018	BANK OF AMERICA CORP CORP NOTES	06051GEM7	\$0.00	\$3,705.00	\$3,705.00
INTEREST	1/24/2018	1/24/2018	AMERICAN EXPRESS BK FSB LT CD	02587CAJ9	\$0.00	\$2,470.14	\$2,470.14
BUY	1/31/2018	2/1/2018	US TREASURY N/B NOTES	9128283S7	\$89,736.33	\$4.97	\$89,741.30
INTEREST	1/31/2018	1/31/2018	US TREASURY N/B	912828WY2	\$0.00	\$3,318.75	\$3,318.75
INTEREST	1/31/2018	1/31/2018	US TREASURY NOTES	9128282P4	\$0.00	\$937.50	\$937.50
INTEREST	1/31/2018	1/31/2018	US TREASURY NOTES	9128282P4	\$0.00	\$2,296.88	\$2,296.88
INTEREST	1/31/2018	1/31/2018	US TREASURY NOTES	9128282P4	\$0.00	\$1,828.13	\$1,828.13
INTEREST	1/31/2018	1/31/2018	US TREASURY NOTES	912828S76	\$0.00	\$984.38	\$984.38
INTEREST	1/31/2018	1/31/2018	US TREASURY NOTES	912828H52	\$0.00	\$2,000.00	\$2,000.00
INTEREST	1/31/2018	1/31/2018	US TREASURY NOTES	912828H86	\$0.00	\$3,450.00	\$3,450.00
SELL	2/1/2018	2/6/2018	US TREASURY NOTES	912828XE5	\$63,928.52	\$182.14	\$64,110.66
SELL	2/1/2018	2/6/2018	US TREASURY NOTES	912828XE5	\$73,763.67	\$210.17	\$73,973.84
BUY	2/1/2018	2/6/2018	IBM CORP CORP NOTES	44932HAG8	\$139,931.40	\$0.00	\$139,931.40

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FALLBROOK PUBLIC UTILITY DISTRICT
PARS Post-Employment Benefits Trust

Account Report for the Period
12/1/2017 to 12/31/2017

Paula Clark
Accounting Supervisor
Fallbrook Public Utility District
PO Box 2290
Fallbrook, CA 92088

Account Summary

Source	Beginning Balance as of 12/1/2017	Contributions	Earnings	Expenses	Distributions	Transfers	Ending Balance as of 12/31/2017
OPEB	\$791,336.46	\$0.00	\$5,908.97	\$0.00	\$0.00	\$0.00	\$797,245.43
PENSION	\$639,038.89	\$0.00	\$4,771.76	\$0.00	\$0.00	\$0.00	\$643,810.65
Totals	\$1,430,375.35	\$0.00	\$10,680.73	\$0.00	\$0.00	\$0.00	\$1,441,056.08

Investment Selection

Source	
OPEB	Moderate Index PLUS
PENSION	Moderate Index PLUS

Investment Objective

Source	
OPEB	The dual goals of the Moderate Strategy are growth of principal and income. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important. The portfolio will be allocated between equity and fixed income investments.
PENSION	The dual goals of the Moderate Strategy are growth of principal and income. It is expected that dividend and interest income will comprise a significant portion of total return, although growth through capital appreciation is equally important. The portfolio will be allocated between equity and fixed income investments.

Investment Return

Source	1-Month	3-Months	1-Year	Annualized Return			Plan's Inception Date
				3-Years	5-Years	10-Years	
OPEB	0.75%	2.84%	-	-	-	-	2/16/2017
PENSION	0.75%	2.84%	-	-	-	-	2/16/2017

Information as provided by US Bank, Trustee for PARS; Not FDIC Insured; No Bank Guarantee; May Lose Value

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.

Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.

Account balances are inclusive of Trust Administration, Trustee and Investment Management fees



Consolidated Summary Statement

FALLBROOK PUBLIC UTILITY DISTRICT

Portfolio Summary		
Portfolio Holdings	Cash Dividends and Income	Closing Market Value
PFM Managed Account	34,609.52	14,300,914.78
State Pool	0.00	524,694.71
San Diego County Treasurer	0.00	14,684.57
Total	\$34,609.52	\$14,840,294.06

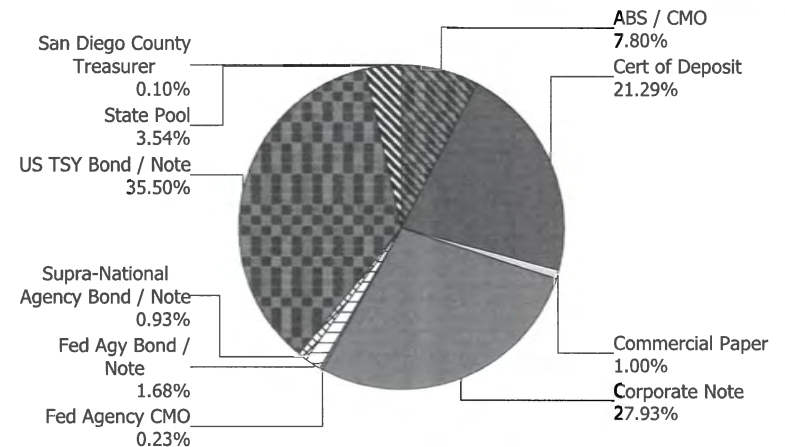
Investment Allocation		
Investment Type	Closing Market Value	Percent
Asset-Backed Security / Collateralized Mortgage C	1,157,717.85	7.80
Certificate of Deposit	3,159,848.89	21.29
Commercial Paper	149,101.80	1.00
Corporate Note	4,144,531.02	27.93
Federal Agency Collateralized Mortgage Obligatio	34,362.94	0.23
Federal Agency Bond / Note	249,030.45	1.68
Supra-National Agency Bond / Note	137,313.68	0.93
U.S. Treasury Bond / Note	5,269,008.15	35.50
State Pool	524,694.71	3.54
San Diego County Treasurer	14,684.57	0.10
Total	\$14,840,294.06	100.00%

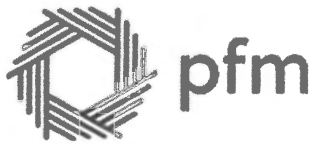
Maturity Distribution (Fixed Income Holdings)

Portfolio Holdings	Closing Market Value	Percent
Under 30 days	539,379.28	3.64
31 to 60 days	0.00	0.00
61 to 90 days	0.00	0.00
91 to 180 days	149,101.80	1.00
181 days to 1 year	1,004,044.08	6.77
1 to 2 years	2,848,111.45	19.19
2 to 3 years	3,575,666.07	24.09
3 to 4 years	4,370,563.19	29.45
4 to 5 years	2,353,428.19	15.86
Over 5 years	0.00	0.00
Total	\$14,840,294.06	100.00%

Weighted Average Days to Maturity 980

Sector Allocation





Managed Account Summary Statement

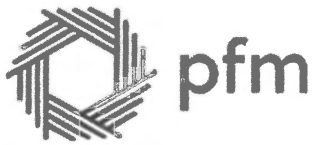
For the Month Ending **January 31, 2018**

FPUD - INVESTMENT PORTFOLIO - 28710100

Transaction Summary - Managed Account		Cash Transactions Summary - Managed Account	
Opening Market Value	\$14,285,668.50	Maturities/Calls	0.00
Maturities/Calls	(45,748.30)	Sale Proceeds	492,663.79
Principal Dispositions	(490,073.50)	Coupon/Interest/Dividend Income	35,641.43
Principal Acquisitions	557,025.78	Principal Payments	45,748.30
Unsettled Trades	89,736.33	Security Purchases	(560,692.13)
Change in Current Value	(95,694.03)	Net Cash Contribution	0.00
Closing Market Value	\$14,300,914.78	Reconciling Transactions	0.00

Earnings Reconciliation (Cash Basis) - Managed Account		Cash Balance	
Interest/Dividends/Coupons Received	38,231.72	Closing Cash Balance	\$95,866.76
Less Purchased Interest Related to Interest/Coupons	(3,666.35)		
Plus Net Realized Gains/Losses	44.15		
Total Cash Basis Earnings	\$34,609.52		

Earnings Reconciliation (Accrual Basis)	Total
Ending Amortized Value of Securities	14,496,923.29
Ending Accrued Interest	59,208.47
Plus Proceeds from Sales	492,663.79
Plus Proceeds of Maturities/Calls/Principal Payments	45,748.30
Plus Coupons/Dividends Received	35,641.43
Less Cost of New Purchases	(650,433.43)
Less Beginning Amortized Value of Securities	(14,387,592.35)
Less Beginning Accrued Interest	(68,943.76)
Total Accrual Basis Earnings	\$23,215.74



Portfolio Summary and Statistics

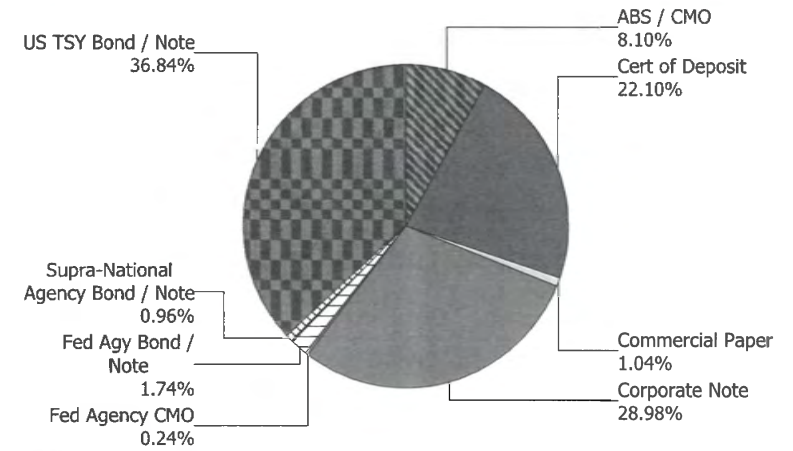
For the Month Ending **January 31, 2018**

FPUD - INVESTMENT PORTFOLIO - 28710100

Account Summary

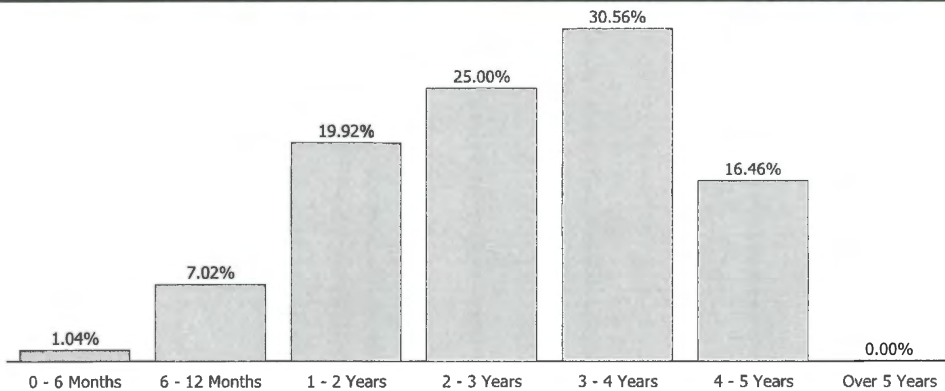
Description	Par Value	Market Value	Percent
U.S. Treasury Bond / Note	5,395,000.00	5,269,008.15	36.84
Supra-National Agency Bond / Note	140,000.00	137,313.68	0.96
Federal Agency Collateralized Mortgage Obligation	34,469.46	34,362.94	0.24
Federal Agency Bond / Note	255,000.00	249,030.45	1.74
Corporate Note	4,137,000.00	4,144,531.02	28.98
Commercial Paper	150,000.00	149,101.80	1.04
Certificate of Deposit	3,170,000.00	3,159,848.89	22.10
Asset-Backed Security / Collateralized Mortgage Obligation	1,165,899.65	1,157,717.85	8.10
Managed Account Sub-Total	14,447,369.11	14,300,914.78	100.00%
Accrued Interest		59,208.47	
Total Portfolio	14,447,369.11	14,360,123.25	

Sector Allocation



Unsettled Trades **90,000.00** **89,739.81**

Maturity Distribution



Characteristics

Yield to Maturity at Cost	1.90%
Yield to Maturity at Market	2.33%
Duration to Worst	2.57
Weighted Average Days to Maturity	1017



Managed Account Issuer Summary

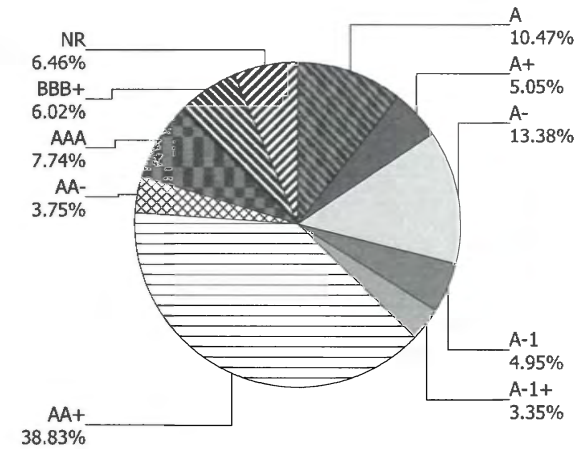
For the Month Ending **January 31, 2018**

FPUD - INVESTMENT PORTFOLIO - 28710100

Issuer Summary

Issuer	Market Value of Holdings	Percent
ALLY AUTO RECEIVABLES TRUST	208,066.34	1.45
AMERICAN EXPRESS CO	524,968.42	3.67
AMERICAN HONDA FINANCE	113,800.15	0.80
BANK OF AMERICA CO	232,445.08	1.63
BANK OF MONTREAL	280,060.76	1.96
BANK OF NOVA SCOTIA	278,738.60	1.95
BB&T CORPORATION	542,392.95	3.79
BURLINGTON NORTHERN SANTA FE	207,311.20	1.45
CANADIAN IMPERIAL BANK OF COMMERCE	279,395.76	1.95
CAPITAL ONE FINANCIAL CORP	245,208.01	1.71
CARMAX AUTO OWNER TRUST	29,469.25	0.21
CATERPILLAR INC	552,080.66	3.86
CITIGROUP INC	357,802.64	2.50
CNH EQUIPMENT TRUST	116,374.06	0.81
FANNIE MAE	34,362.94	0.24
FEDERAL HOME LOAN BANKS	249,030.45	1.74
FORD CREDIT AUTO OWNER TRUST	233,107.99	1.63
GOLDMAN SACHS GROUP INC	287,354.62	2.01
HYUNDAI AUTO RECEIVABLES	74,069.76	0.52
INTL BANK OF RECONSTRUCTION AND DEV	137,313.68	0.96
JOHN DEERE OWNER TRUST	94,235.92	0.66
JP MORGAN CHASE & CO	475,045.03	3.32
mitsubishi UFJ FINANCIAL GROUP INC	288,203.70	2.02
MORGAN STANLEY	473,587.66	3.31
NORDEA BANK AB	280,084.56	1.96
PACCAR FINANCIAL CORP	39,509.64	0.28
SKANDINAVISKA ENSKILDA BANKEN AB	182,347.40	1.28
STATE BANK OF INDIA	245,489.76	1.72
SUMITOMO MITSUI FINANCIAL GROUP INC	249,523.25	1.74
SVENSKA HANDELSBANKEN AB	199,074.00	1.39
SWEDBANK AB	277,442.48	1.94
THE BANK OF NEW YORK MELLON CORPORATION	349,740.16	2.45

Credit Quality (S&P Ratings)





Managed Account Issuer Summary

For the Month Ending **January 31, 2018**

FPUD - INVESTMENT PORTFOLIO - 28710100

Issuer	Market Value of Holdings	Percent
TOYOTA MOTOR CORP	143,998.59	1.01
UNITED PARCEL SERVICE INC	108,345.49	0.76
UNITED STATES TREASURY	5,269,008.15	36.83
WELLS FARGO & COMPANY	383,265.19	2.68
WESTPAC BANKING CORP	258,660.48	1.81
Total	\$14,300,914.78	100.00%



Managed Account Detail of Securities Held

For the Month Ending **January 31, 2018**

FPUD - INVESTMENT PORTFOLIO - 28710100

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury Bond / Note											
US TREASURY N/B NOTES DTD 01/31/2018 2.000% 01/31/2020	9128283S7	90,000.00	AA+	Aaa	01/31/18	02/01/18	89,736.33	2.15	4.97	89,736.33	89,739.81
US TREASURY NOTES DTD 02/02/2015 1.250% 01/31/2020	912828H52	320,000.00	AA+	Aaa	01/02/18	01/04/18	315,662.50	1.92	11.05	315,819.93	314,375.04
US TREASURY NOTES DTD 06/01/2015 1.500% 05/31/2020	912828XE5	75,000.00	AA+	Aaa	06/27/16	06/29/16	76,813.48	0.87	194.71	76,083.71	73,787.10
US TREASURY NOTES DTD 06/01/2015 1.500% 05/31/2020	912828XE5	525,000.00	AA+	Aaa	09/01/16	09/02/16	533,469.73	1.06	1,362.98	530,305.44	516,509.70
US TREASURY NOTES DTD 12/02/2013 2.000% 11/30/2020	912828A42	190,000.00	AA+	Aaa	04/27/16	04/29/16	195,803.91	1.31	657.69	193,617.71	188,471.07
US TREASURY NOTES DTD 05/02/2016 1.375% 04/30/2021	912828O78	25,000.00	AA+	Aaa	01/03/17	01/05/17	24,501.95	1.86	88.31	24,622.42	24,240.23
US TREASURY NOTES DTD 05/02/2016 1.375% 04/30/2021	912828O78	150,000.00	AA+	Aaa	02/01/17	02/03/17	147,035.16	1.86	529.87	147,711.50	145,441.35
US TREASURY NOTES DTD 06/02/2014 2.000% 05/31/2021	912828WN6	400,000.00	AA+	Aaa	10/04/16	10/05/16	413,828.13	1.23	1,384.62	409,968.30	395,437.60
US TREASURY NOTES DTD 08/01/2016 1.125% 07/31/2021	912828S76	175,000.00	AA+	Aaa	05/08/17	05/10/17	170,016.60	1.83	5.44	170,850.29	167,617.10
US TREASURY N/B DTD 07/31/2014 2.250% 07/31/2021	912828WY2	295,000.00	AA+	Aaa	11/22/16	11/23/16	301,268.75	1.78	18.34	299,728.40	293,628.84
US TREASURY NOTES DTD 09/02/2014 2.000% 08/31/2021	912828D72	400,000.00	AA+	Aaa	12/01/16	12/05/16	401,406.25	1.92	3,403.31	401,076.90	394,578.00
US TREASURY NOTES DTD 10/31/2016 1.250% 10/31/2021	912828T67	245,000.00	AA+	Aaa	08/30/17	08/31/17	241,152.73	1.64	786.77	241,532.96	234,817.31
US TREASURY NOTES DTD 10/31/2016 1.250% 10/31/2021	912828T67	250,000.00	AA+	Aaa	03/14/17	03/16/17	240,703.13	2.10	802.83	242,408.77	239,609.50
US TREASURY NOTES DTD 01/03/2017 2.000% 12/31/2021	912828U81	390,000.00	AA+	Aaa	06/26/17	06/28/17	394,737.89	1.72	689.50	394,133.88	383,647.29



Managed Account Detail of Securities Held

For the Month Ending **January 31, 2018**

FPUD - INVESTMENT PORTFOLIO - 28710100

Security Type/Description	Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury Bond / Note												
US TREASURY NOTES		912828H86	460,000.00	AA+	Aaa	07/05/17	07/07/17	452,435.16	1.88	19.06	453,344.72	443,540.74
DTD 02/02/2015 1.500% 01/31/2022												
US TREASURY NOTES		912828W89	110,000.00	AA+	Aaa	06/26/17	06/28/17	110,648.83	1.75	702.61	110,571.17	107,439.09
DTD 03/31/2017 1.875% 03/31/2022												
US TREASURY NOTES		912828XW5	235,000.00	AA+	Aaa	09/01/17	09/07/17	235,330.47	1.72	363.54	235,305.84	227,775.63
DTD 06/30/2017 1.750% 06/30/2022												
US TREASURY NOTES		9128282P4	100,000.00	AA+	Aaa	12/04/17	12/06/17	98,824.22	2.14	5.18	98,862.56	97,355.50
DTD 07/31/2017 1.875% 07/31/2022												
US TREASURY NOTES		9128282P4	195,000.00	AA+	Aaa	11/01/17	11/03/17	193,666.99	2.03	10.10	193,734.88	189,843.23
DTD 07/31/2017 1.875% 07/31/2022												
US TREASURY NOTES		9128282P4	245,000.00	AA+	Aaa	01/02/18	01/04/18	241,363.28	2.22	12.69	241,422.44	238,520.98
DTD 07/31/2017 1.875% 07/31/2022												
US TREASURY NOTES		912828L57	250,000.00	AA+	Aaa	12/04/17	12/06/17	245,429.69	2.15	1,490.38	245,572.51	241,650.50
DTD 09/30/2015 1.750% 09/30/2022												
US TREASURY NOTES		912828L57	270,000.00	AA+	Aaa	10/04/17	10/05/17	267,510.94	1.94	1,609.62	267,667.30	260,982.54
DTD 09/30/2015 1.750% 09/30/2022												
Security Type Sub-Total			5,395,000.00					5,391,346.12	1.74	14,153.57	5,384,077.96	5,269,008.15
Supra-National Agency Bond / Note												
INTL BANK OF RECON AND DEV GLOBAL NOTES		459058GA5	140,000.00	AAA	Aaa	08/22/17	08/29/17	139,970.60	1.63	960.56	139,974.73	137,313.68
DTD 08/29/2017 1.625% 09/04/2020												
Security Type Sub-Total			140,000.00					139,970.60	1.63	960.56	139,974.73	137,313.68
Federal Agency Collateralized Mortgage Obligation												
FNMA SERIES 2016-M9 ASQ2		3136ASPX8	34,469.46	AA+	Aaa	06/09/16	06/30/16	34,814.15	1.05	51.27	34,595.63	34,362.94
DTD 06/01/2016 1.785% 06/01/2019												
Security Type Sub-Total			34,469.46					34,814.15	1.05	51.27	34,595.63	34,362.94



Managed Account Detail of Securities Held

For the Month Ending **January 31, 2018**

FPUD - INVESTMENT PORTFOLIO - 28710100

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Federal Agency Bond / Note											
FHLB NOTES DTD 09/08/2017 1.375% 09/28/2020	3130ACE26	10,000.00	AA+	Aaa	09/07/17	09/08/17	9,967.90	1.48	46.98	9,971.97	9,765.90
FHLB NOTES DTD 09/08/2017 1.375% 09/28/2020	3130ACE26	245,000.00	AA+	Aaa	09/18/17	09/19/17	243,238.45	1.62	1,150.99	243,447.42	239,264.55
Security Type Sub-Total		255,000.00					253,206.35	1.61	1,197.97	253,419.39	249,030.45
Corporate Note											
CITIGROUP INC CORP NOTES DTD 06/09/2016 2.050% 06/07/2019	172967KS9	100,000.00	BBB+	Baa1	06/02/16	06/09/16	99,948.00	2.07	307.50	99,976.14	99,406.70
BURLINGTON NRTH CORP DTD 09/24/2009 4.700% 10/01/2019	12189TBC7	200,000.00	A	A3	06/03/16	06/08/16	220,780.00	1.48	3,133.33	210,576.97	207,311.20
CATERPILLAR FINANCIAL CORP NOTES DTD 12/01/2014 2.250% 12/01/2019	14912L6F3	455,000.00	A	A3	04/24/15	04/24/15	464,809.80	1.76	1,706.25	459,002.85	453,744.66
AMERICAN HONDA FINANCE DTD 02/16/2017 2.000% 02/14/2020	02665WBM2	90,000.00	A+	A2	02/13/17	02/16/17	89,872.20	2.05	835.00	89,912.23	89,149.50
BNY MELLON (CALLABLE) CORP NOTE DTD 02/24/2015 2.150% 02/24/2020	06406HCZ0	352,000.00	A	A1	07/07/15	07/07/15	352,148.30	2.14	3,300.49	352,069.64	349,740.16
AMERICAN HONDA FINANCE CORP NOTES DTD 07/20/2017 1.950% 07/20/2020	02665WBT7	25,000.00	A+	A2	07/17/17	07/20/17	24,974.75	1.98	14.90	24,979.11	24,650.65
JP MORGAN CHASE & CO NOTES DTD 07/22/2010 4.400% 07/22/2020	46625HHS2	455,000.00	A-	A3	04/27/16	04/29/16	493,065.30	2.31	500.50	477,724.66	475,045.03
CATERPILLAR FINL SERVICE NOTE DTD 09/07/2017 1.850% 09/04/2020	14913O2A6	100,000.00	A	A3	09/05/17	09/07/17	99,916.00	1.88	740.00	99,926.92	98,336.00
PACCAR FINANCIAL CORP NOTES DTD 11/13/2017 2.050% 11/13/2020	69371RN85	40,000.00	A+	A1	11/06/17	11/13/17	39,996.40	2.05	177.67	39,996.65	39,509.64
WELLS FARGO & COMPANY NOTES DTD 12/07/2015 2.550% 12/07/2020	94974BGR5	385,000.00	A-	A2	04/27/16	04/29/16	391,579.65	2.16	1,472.63	389,149.97	383,265.19



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Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Corporate Note											
UNITED PARCEL SERVICE CORPORATE BOND DTD 11/14/2017 2.050% 04/01/2021	911312BP0	110,000.00	A+	A1	11/09/17	11/14/17	109,826.20	2.10	482.32	109,836.32	108,345.49
MORGAN STANLEY CORP NOTES DTD 04/21/2016 2.500% 04/21/2021	61746BEA0	260,000.00	BBB+	A3	05/10/16	05/13/16	261,492.40	2.38	1,805.56	260,994.44	256,739.60
GOLDMAN SACHS GRP INC CORP NT (CALLABLE) DTD 04/25/2016 2.625% 04/25/2021	38141GVU5	290,000.00	BBB+	A3	08/10/16	08/15/16	296,693.20	2.11	2,030.00	294,644.80	287,354.62
AMERICAN EXPRESS CREDIT (CALLABLE) NOTES DTD 05/05/2016 2.250% 05/05/2021	0258M0EB1	285,000.00	A-	A2	05/05/16	05/10/16	286,558.95	2.13	1,531.88	286,029.43	280,246.49
BRANCH BANKING & TRUST (CALLABLE) NOTE DTD 05/10/2016 2.050% 05/10/2021	05531FAV5	250,000.00	A-	A2	05/10/16	05/16/16	249,835.00	2.06	1,153.13	249,889.98	244,145.25
BANK OF AMERICA CORP (CALLABLE) DTD 09/18/2017 2.328% 10/01/2021	06051GGS2	90,000.00	A-	A3	09/13/17	09/18/17	90,000.00	2.33	774.06	90,000.00	88,982.28
MORGAN STANLEY BONDS DTD 11/17/2016 2.625% 11/17/2021	61746BED4	220,000.00	BBB+	A3	02/01/17	02/03/17	216,755.00	2.96	1,187.08	217,396.57	216,848.06
BANK OF AMERICA CORP CORP NOTES DTD 01/24/2012 5.700% 01/24/2022	06051GEM7	130,000.00	A-	A3	09/01/17	09/07/17	147,414.80	2.46	144.08	145,904.02	143,462.80
BB&T CORP (CALLABLE) NOTES DTD 03/21/2017 2.750% 04/01/2022	05531FAX1	300,000.00	A-	A2	04/03/17	04/06/17	302,265.00	2.59	2,750.00	301,906.87	298,247.70
Security Type Sub-Total		4,137,000.00					4,237,930.95	2.17	24,046.38	4,199,917.57	4,144,531.02
Commercial Paper											
BANK OF TOKYO MITSUBISHI UFJ LTD COMM PA -- 0.000% 05/29/2018	06538CEV9	150,000.00	A-1	P-1	09/01/17	09/07/17	148,306.00	1.56	0.00	149,249.25	149,101.80
Security Type Sub-Total		150,000.00					148,306.00	1.56	0.00	149,249.25	149,101.80



Managed Account Detail of Securities Held

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Security Type/Description			S&P	Moody's	Trade	Settle	Original	YTM	Accrued	Amortized	Market
Dated Date/Coupon/Maturity	CUSIP	Par	Rating	Rating	Date	Date	Cost	at Cost	Interest	Cost	Value
Certificate of Deposit											
CANADIAN IMPERIAL BANK NY CD DTD 12/05/2016 1.760% 11/30/2018	13606A5Z7	280,000.00	A-1	P-1	12/01/16	12/05/16	279,781.60	1.78	835.02	279,909.03	279,395.76
NORDEA BANK FINLAND NY CD DTD 12/05/2016 1.760% 11/30/2018	65558LWA6	280,000.00	A-1+	P-1	12/01/16	12/05/16	280,000.00	1.74	862.40	280,000.00	280,084.56
STATE BANK OF INDIA LT CD DTD 12/18/2013 2.050% 12/18/2018	856283VY9	245,000.00	NR	NR	12/19/13	12/19/13	245,000.00	1.96	619.21	245,000.00	245,489.76
SVENSKA HANDELSBANKEN NY LT CD DTD 01/12/2017 1.890% 01/10/2019	86958JHB8	200,000.00	A-1+	P-1	01/10/17	01/12/17	200,000.00	1.91	231.00	200,000.00	199,074.00
BANK OF MONTREAL CHICAGO CERT DEPOS DTD 02/09/2017 1.880% 02/07/2019	06427KRC3	280,000.00	A-1	P-1	02/08/17	02/09/17	280,000.00	1.90	2,544.27	280,000.00	280,060.76
BANK OF NOVA SCOTIA HOUSTON LT CD DTD 04/06/2017 1.910% 04/05/2019	06417GUE6	280,000.00	A+	A1	04/05/17	04/06/17	280,000.00	1.91	1,767.81	280,000.00	278,738.60
SUMITOMO MITSUI BANK NY CD DTD 05/04/2017 2.050% 05/03/2019	86563YVN0	250,000.00	A	A1	05/03/17	05/04/17	250,000.00	2.05	1,281.25	250,000.00	249,523.25
AMERICAN EXPRESS BK FSB LT CD DTD 07/24/2014 2.000% 07/24/2019	02587CAJ9	245,000.00	NR	NR	07/25/14	07/25/14	245,000.00	1.92	107.40	245,000.00	244,721.93
SKANDINAV ENSKILDA BANKEN NY CD DTD 08/04/2017 1.840% 08/02/2019	83050FXT3	185,000.00	A+	Aa3	08/03/17	08/04/17	184,927.85	1.85	1,711.46	184,945.79	182,347.40
CAPTIAL ONE BANK USA NA LT CD DTD 08/12/2015 2.000% 08/12/2019	140420UE8	245,000.00	NR	NR	08/12/15	08/12/15	245,000.00	1.94	2,322.47	245,000.00	245,208.01
BANK TOKYO MITSUBISHI UFJ LTD LT CD DTD 09/27/2017 2.070% 09/25/2019	06539RGM3	140,000.00	A	A1	09/25/17	09/27/17	140,000.00	2.07	1,022.35	140,000.00	139,101.90
WESTPAC BANKING CORP NY CD DTD 08/07/2017 2.050% 08/03/2020	96121T4A3	260,000.00	AA-	Aa3	08/03/17	08/07/17	260,000.00	2.05	2,576.17	260,000.00	258,660.48
SWEDBANK (NEW YORK) CERT DEPOS DTD 11/17/2017 2.270% 11/16/2020	87019U6D6	280,000.00	AA-	Aa3	11/16/17	11/17/17	280,000.00	2.30	1,341.82	280,000.00	277,442.48
Security Type Sub-Total		3,170,000.00					3,169,709.45	1.95	17,222.63	3,169,854.82	3,159,848.89



Managed Account Detail of Securities Held

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Security Type/Description	Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Asset-Backed Security / Collateralized Mortgage Obligation												
CARMAX ABS 2016-3 A2	DTD 07/20/2016 1.170% 08/15/2019	14314EAB7	29,499.97	AAA	NR	07/14/16	07/20/16	29,497.56	1.18	15.34	29,498.82	29,469.25
TOYOTA ABS 2016-B A3	DTD 05/11/2016 1.300% 04/15/2020	89231UAD9	99,773.23	AAA	Aaa	05/02/16	05/11/16	99,768.13	1.30	57.65	99,770.65	99,327.32
JOHN DEERE ABS 2016-B A3	DTD 07/27/2016 1.250% 06/15/2020	47788NAC2	35,000.00	NR	Aaa	07/19/16	07/27/16	34,997.21	1.25	19.44	34,998.45	34,800.45
CNH 2017-A A2	DTD 03/22/2017 1.640% 07/15/2020	12636WAB2	116,626.45	AAA	NR	03/15/17	03/22/17	116,621.97	1.80	85.01	116,622.93	116,374.06
TOYOTA ABS 2016-C A3	DTD 08/10/2016 1.140% 08/15/2020	89237WAD9	45,000.00	AAA	Aaa	08/01/16	08/10/16	44,998.79	1.14	22.80	44,999.30	44,671.27
CITIBANK ABS 2017-A2 A2	DTD 01/26/2017 1.740% 01/17/2021	17305EGA7	120,000.00	AAA	Aaa	01/19/17	01/26/17	119,977.02	1.75	81.20	120,000.00	119,581.84
JOHN DEERE ABS 2017-A A3	DTD 03/02/2017 1.780% 04/15/2021	47787XAC1	30,000.00	NR	Aaa	02/22/17	03/02/17	29,995.73	1.79	23.73	29,995.74	29,778.59
HYUNDAI ABS 2016-B A3	DTD 09/21/2016 1.290% 04/15/2021	44891EAC3	75,000.00	AAA	Aaa	09/14/16	09/21/16	74,989.91	1.30	43.00	74,993.23	74,069.76
FORD ABS 2017-A A3	DTD 01/25/2017 1.670% 06/15/2021	34531EAD8	95,000.00	NR	Aaa	01/18/17	01/25/17	94,999.65	1.67	70.51	94,999.76	94,182.15
CCCIT 2017-A9 A9	DTD 10/02/2017 1.800% 09/20/2021	17305EGH2	140,000.00	AAA	NR	09/25/17	10/02/17	139,989.57	1.80	833.00	139,990.51	138,814.10
JOHN DEERE ABS 2017-B A3	DTD 07/15/2017 1.820% 10/15/2021	47788BAD6	30,000.00	NR	Aaa	07/11/17	07/18/17	29,997.80	1.82	24.27	29,998.08	29,656.88
ALLY ABS 2017-4 A3	DTD 08/23/2017 1.750% 12/15/2021	02007FAC9	100,000.00	AAA	NR	08/15/17	08/23/17	99,998.71	1.75	77.78	99,998.85	98,919.90
ALLYA 2017-5 A3	DTD 11/22/2017 1.990% 03/15/2022	02007YAC8	110,000.00	AAA	Aaa	11/14/17	11/22/17	109,991.46	1.99	97.29	109,991.82	109,146.44
FORDO 2017-C A3	DTD 11/21/2017 2.010% 03/15/2022	34532AAD5	140,000.00	AAA	NR	11/14/17	11/21/17	139,974.76	2.02	125.07	139,975.80	138,925.84



Managed Account Detail of Securities Held

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Security Type/Description	Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Security Type Sub-Total			1,165,899.65					1,165,798.27	1.69	1,576.09	1,165,833.94	1,157,717.85
Managed Account Sub-Total			14,447,369.11					14,541,081.89	1.90	59,208.47	14,496,923.29	14,300,914.78
Securities Sub-Total			\$14,447,369.11					\$14,541,081.89	1.90%	\$59,208.47	\$14,496,923.29	\$14,300,914.78
Accrued Interest												\$59,208.47
Total Investments												\$14,360,123.25

Bolded items are forward settling trades.



Managed Account Fair Market Value & Analytics

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Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	Broker	Next Call Date	Market Price	Market Value	Unreal G/L On Cost	Unreal G/L Amort Cost	Effective Duration	Duration to Worst at Mkt	YTM
U.S. Treasury Bond / Note											
US TREASURY N/B NOTES DTD 01/31/2018 2.000% 01/31/2020	9128283S7	90,000.00	BARCLAYS		99.71	89,739.81	3.48	3.48	1.95	1.95	2.15
US TREASURY NOTES DTD 02/02/2015 1.250% 01/31/2020	912828H52	320,000.00	MORGAN_S		98.24	314,375.04	(1,287.46)	(1,444.89)	1.96	1.96	2.15
US TREASURY NOTES DTD 06/01/2015 1.500% 05/31/2020	912828XE5	75,000.00	CITIGRP		98.38	73,787.10	(3,026.38)	(2,296.61)	2.27	2.27	2.22
US TREASURY NOTES DTD 06/01/2015 1.500% 05/31/2020	912828XE5	525,000.00	TD SEC U		98.38	516,509.70	(16,960.03)	(13,795.74)	2.27	2.27	2.22
US TREASURY NOTES DTD 12/02/2013 2.000% 11/30/2020	912828A42	190,000.00	CITIGRP		99.20	188,471.07	(7,332.84)	(5,146.64)	2.72	2.72	2.29
US TREASURY NOTES DTD 05/02/2016 1.375% 04/30/2021	912828O78	25,000.00	MERRILL		96.96	24,240.23	(261.72)	(382.19)	3.14	3.14	2.35
US TREASURY NOTES DTD 05/02/2016 1.375% 04/30/2021	912828O78	150,000.00	CITIGRP		96.96	145,441.35	(1,593.81)	(2,270.15)	3.14	3.14	2.35
US TREASURY NOTES DTD 06/02/2014 2.000% 05/31/2021	912828WN6	400,000.00	MORGANST		98.86	395,437.60	(18,390.53)	(14,530.70)	3.19	3.19	2.36
US TREASURY NOTES DTD 08/01/2016 1.125% 07/31/2021	912828S76	175,000.00	CITIGRP		95.78	167,617.10	(2,399.50)	(3,233.19)	3.40	3.40	2.39
US TREASURY N/B DTD 07/31/2014 2.250% 07/31/2021	912828WY2	295,000.00	BNP PARI		99.54	293,628.84	(7,639.91)	(6,099.56)	3.35	3.35	2.39
US TREASURY NOTES DTD 09/02/2014 2.000% 08/31/2021	912828D72	400,000.00	MORGANST		98.64	394,578.00	(6,828.25)	(6,498.90)	3.40	3.40	2.40
US TREASURY NOTES DTD 10/31/2016 1.250% 10/31/2021	912828T67	245,000.00	MORGAN_S		95.84	234,817.31	(6,335.42)	(6,715.65)	3.61	3.61	2.42
US TREASURY NOTES DTD 10/31/2016 1.250% 10/31/2021	912828T67	250,000.00	CITIGRP		95.84	239,609.50	(1,093.63)	(2,799.27)	3.61	3.61	2.42
US TREASURY NOTES DTD 01/03/2017 2.000% 12/31/2021	912828U81	390,000.00	HSBC		98.37	383,647.29	(11,090.60)	(10,486.59)	3.73	3.73	2.44
US TREASURY NOTES DTD 02/02/2015 1.500% 01/31/2022	912828H86	460,000.00	MORGAN_S		96.42	443,540.74	(8,894.42)	(9,803.98)	3.85	3.85	2.44
US TREASURY NOTES DTD 03/31/2017 1.875% 03/31/2022	912828W89	110,000.00	MORGAN_S		97.67	107,439.09	(3,209.74)	(3,132.08)	3.95	3.95	2.47



Managed Account Fair Market Value & Analytics

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Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	Broker	Next Call Date	Market Price	Market Value	Unreal G/L On Cost	Unreal G/L Amort Cost	Effective Duration	Duration to Worst at Mkt	YTM
U.S. Treasury Bond / Note											
US TREASURY NOTES DTD 06/30/2017 1.750% 06/30/2022	912828XW5	235,000.00	HSBC		96.93	227,775.63	(7,554.84)	(7,530.21)	4.21	4.21	2.49
US TREASURY NOTES DTD 07/31/2017 1.875% 07/31/2022	9128282P4	100,000.00	BARCLAYS		97.36	97,355.50	(1,468.72)	(1,507.06)	4.28	4.28	2.50
US TREASURY NOTES DTD 07/31/2017 1.875% 07/31/2022	9128282P4	195,000.00	MORGAN_S		97.36	189,843.23	(3,823.76)	(3,891.65)	4.28	4.28	2.50
US TREASURY NOTES DTD 07/31/2017 1.875% 07/31/2022	9128282P4	245,000.00	HSBC		97.36	238,520.98	(2,842.30)	(2,901.46)	4.28	4.28	2.50
US TREASURY NOTES DTD 09/30/2015 1.750% 09/30/2022	912828L57	250,000.00	BARCLAYS		96.66	241,650.50	(3,779.19)	(3,922.01)	4.41	4.41	2.51
US TREASURY NOTES DTD 09/30/2015 1.750% 09/30/2022	912828L57	270,000.00	CITIGRP		96.66	260,982.54	(6,528.40)	(6,684.76)	4.41	4.41	2.51
Security Type Sub-Total		5,395,000.00				5,269,008.15	(122,337.97)	(115,069.81)	3.42	3.42	2.38
Supra-National Agency Bond / Note											
INTL BANK OF RECON AND DEV GLOBAL NOTES DTD 08/29/2017 1.625% 09/04/2020	459058GA5	140,000.00	JPM_CHAS		98.08	137,313.68	(2,656.92)	(2,661.05)	2.50	2.50	2.39
Security Type Sub-Total		140,000.00				137,313.68	(2,656.92)	(2,661.05)	2.50	2.50	2.39
Federal Agency Collateralized Mortgage Obligation											
FNMA SERIES 2016-M9 ASQ2 DTD 06/01/2016 1.785% 06/01/2019	3136ASPX8	34,469.46	CSFB		99.69	34,362.94	(451.21)	(232.69)	0.69	1.17	1.95
Security Type Sub-Total		34,469.46				34,362.94	(451.21)	(232.69)	0.69	1.17	1.95
Federal Agency Bond / Note											
FHLB NOTES DTD 09/08/2017 1.375% 09/28/2020	3130ACE26	10,000.00	BARCLAYS		97.66	9,765.90	(202.00)	(206.07)	2.58	2.58	2.29
FHLB NOTES DTD 09/08/2017 1.375% 09/28/2020	3130ACE26	245,000.00	DEUTSCHE		97.66	239,264.55	(3,973.90)	(4,182.87)	2.58	2.58	2.29
Security Type Sub-Total		255,000.00				249,030.45	(4,175.90)	(4,388.94)	2.58	2.58	2.29



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Corporate Note												
CITIGROUP INC CORP NOTES	DTD 06/09/2016 2.050% 06/07/2019	172967KS9	100,000.00	CITIGRP		99.41	99,406.70	(541.30)	(569.44)	1.32	1.32	2.50
BURLINGTON NRTH CORP	DTD 09/24/2009 4.700% 10/01/2019	12189TBC7	200,000.00	GOLDMAN		103.66	207,311.20	(13,468.80)	(3,265.77)	1.58	1.58	2.45
CATERPILLAR FINANCIAL CORP NOTES	DTD 12/01/2014 2.250% 12/01/2019	14912L6F3	455,000.00	NEW ACCT		99.72	453,744.66	(11,065.14)	(5,258.19)	1.78	1.78	2.40
AMERICAN HONDA FINANCE	DTD 02/16/2017 2.000% 02/14/2020	02665WBM2	90,000.00	MIZUHO		99.06	89,149.50	(722.70)	(762.73)	1.96	1.96	2.48
BNY MELLON (CALLABLE) CORP NOTE	DTD 02/24/2015 2.150% 02/24/2020	06406HCZ0	352,000.00	NEW ACCT	01/24/20	99.36	349,740.16	(2,408.14)	(2,329.48)	1.98	1.99	2.47
AMERICAN HONDA FINANCE CORP NOTES	DTD 07/20/2017 1.950% 07/20/2020	02665WBT7	25,000.00	BARCLAYS		98.60	24,650.65	(324.10)	(328.46)	2.39	2.39	2.54
JP MORGAN CHASE & CO NOTES	DTD 07/22/2010 4.400% 07/22/2020	46625HHS2	455,000.00	BONY		104.41	475,045.03	(18,020.27)	(2,679.63)	2.34	2.34	2.55
CATERPILLAR FINL SERVICE NOTE	DTD 09/07/2017 1.850% 09/04/2020	14913Q2A6	100,000.00	BARCLAYS		98.34	98,336.00	(1,580.00)	(1,590.92)	2.49	2.49	2.52
PACCAR FINANCIAL CORP NOTES	DTD 11/13/2017 2.050% 11/13/2020	69371RN85	40,000.00	CITIGRP		98.77	39,509.64	(486.76)	(487.01)	2.67	2.67	2.51
WELLS FARGO & COMPANY NOTES	DTD 12/07/2015 2.550% 12/07/2020	94974BGR5	385,000.00	WELLSFAR		99.55	383,265.19	(8,314.46)	(5,884.78)	2.72	2.72	2.71
UNITED PARCEL SERVICE CORPORATE BOND	DTD 11/14/2017 2.050% 04/01/2021	911312BP0	110,000.00	JPM_CHAS		98.50	108,345.49	(1,480.71)	(1,490.83)	3.03	3.03	2.55
MORGAN STANLEY CORP NOTES	DTD 04/21/2016 2.500% 04/21/2021	61746BEA0	260,000.00	SCOTIA		98.75	256,739.60	(4,752.80)	(4,254.84)	3.05	3.05	2.91
GOLDMAN SACHS GRP INC CORP NT (CALLABLE)	DTD 04/25/2016 2.625% 04/25/2021	38141GVU5	290,000.00	JPMCHASE	03/25/21	99.09	287,354.62	(9,338.58)	(7,290.18)	3.05	3.05	2.92
AMERICAN EXPRESS CREDIT (CALLABLE) NOTES	DTD 05/05/2016 2.250% 05/05/2021	0258M0EB1	285,000.00	GOLDMAN	04/04/21	98.33	280,246.49	(6,312.46)	(5,782.94)	3.10	3.10	2.79



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Corporate Note											
BRANCH BANKING & TRUST (CALLABLE) NOTE DTD 05/10/2016 2.050% 05/10/2021	05531FAV5	250,000.00	KEYBAN	04/09/21	97.66	244,145.25	(5,689.75)	(5,744.73)	3.13	3.12	2.80
BANK OF AMERICA CORP (CALLABLE) DTD 09/18/2017 2.328% 10/01/2021	06051GGS2	90,000.00	MERRILL	10/01/20	98.87	88,982.28	(1,017.72)	(1,017.72)	2.80	3.46	2.65
MORGAN STANLEY BONDS DTD 11/17/2016 2.625% 11/17/2021	61746BED4	220,000.00	MORGAN_S		98.57	216,848.06	93.06	(548.51)	3.56	3.56	3.03
BANK OF AMERICA CORP CORP NOTES DTD 01/24/2012 5.700% 01/24/2022	06051GEM7	130,000.00	INCAPITA		110.36	143,462.80	(3,952.00)	(2,441.22)	3.58	3.58	2.92
BB&T CORP (CALLABLE) NOTES DTD 03/21/2017 2.750% 04/01/2022	05531FAX1	300,000.00	MORGAN_S	03/01/22	99.42	298,247.70	(4,017.30)	(3,659.17)	3.87	3.87	2.90
Security Type Sub-Total		4,137,000.00				4,144,531.02	(93,399.93)	(55,386.55)	2.66	2.67	2.68
Commercial Paper											
BANK OF TOKYO MITSUBISHI UFJ LTD COMM PA -- 0.000% 05/29/2018	06538CEV9	150,000.00	BTM		99.40	149,101.80	795.80	(147.45)	0.32	0.32	1.84
Security Type Sub-Total		150,000.00				149,101.80	795.80	(147.45)	0.32	0.32	1.84
Certificate of Deposit											
CANADIAN IMPERIAL BANK NY CD DTD 12/05/2016 1.760% 11/30/2018	13606A5Z7	280,000.00	GOLDMAN		99.78	279,395.76	(385.84)	(513.27)	0.81	0.81	1.98
NORDEA BANK FINLAND NY CD DTD 12/05/2016 1.760% 11/30/2018	65558LWA6	280,000.00	MERRILL		100.03	280,084.56	84.56	84.56	0.82	0.82	1.70
STATE BANK OF INDIA LT CD DTD 12/18/2013 2.050% 12/18/2018	856283VY9	245,000.00	NEW ACCT		100.20	245,489.76	489.76	489.76	0.87	0.87	1.67
SVENSKA HANDELSBANKEN NY LT CD DTD 01/12/2017 1.890% 01/10/2019	86958JHB8	200,000.00	MERRILL		99.54	199,074.00	(926.00)	(926.00)	0.93	0.93	2.35
BANK OF MONTREAL CHICAGO CERT DEPOS DTD 02/09/2017 1.880% 02/07/2019	06427KRC3	280,000.00	GOLDMAN		100.02	280,060.76	60.76	60.76	1.01	1.01	1.82



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Certificate of Deposit											
BANK OF NOVA SCOTIA HOUSTON LT CD DTD 04/06/2017 1.910% 04/05/2019	06417GUE6	280,000.00	MERRILL		99.55	278,738.60	(1,261.40)	(1,261.40)	1.17	1.17	1.46
SUMITOMO MITSUI BANK NY CD DTD 05/04/2017 2.050% 05/03/2019	86563YVNO	250,000.00	JPM_CHAS		99.81	249,523.25	(476.75)	(476.75)	1.24	1.24	1.37
AMERICAN EXPRESS BK FSB LT CD DTD 07/24/2014 2.000% 07/24/2019	02587CAJ9	245,000.00	NEW ACCT		99.89	244,721.93	(278.07)	(278.07)	1.46	1.46	1.93
SKANDINAV ENSKILDA BANKEN NY CD DTD 08/04/2017 1.840% 08/02/2019	83050FXT3	185,000.00	BARCLAYS		98.57	182,347.40	(2,580.45)	(2,598.39)	1.47	1.47	2.19
CAPTIAL ONE BANK USA NA LT CD DTD 08/12/2015 2.000% 08/12/2019	140420UE8	245,000.00	NEW ACCT		100.08	245,208.01	208.01	208.01	1.51	1.51	1.83
BANK TOKYO MITSUBISHI UFJ LTD LT CD DTD 09/27/2017 2.070% 09/25/2019	06539RGM3	140,000.00	MITSU		99.36	139,101.90	(898.10)	(898.10)	1.63	1.63	2.01
WESTPAC BANKING CORP NY CD DTD 08/07/2017 2.050% 08/03/2020	96121T4A3	260,000.00	JPM_CHAS		99.48	258,660.48	(1,339.52)	(1,339.52)	2.48	2.48	2.20
SWEDBANK (NEW YORK) CERT DEPOS DTD 11/17/2017 2.270% 11/16/2020	87019U6D6	280,000.00	MERRILL		99.09	277,442.48	(2,557.52)	(2,557.52)	2.67	2.67	2.64
Security Type Sub-Total		3,170,000.00				3,159,848.89	(9,860.56)	(10,005.93)	1.39	1.39	1.92
Asset-Backed Security / Collateralized Mortgage Obligation											
CARMAX ABS 2016-3 A2 DTD 07/20/2016 1.170% 08/15/2019	14314EAB7	29,499.97	CSFB		99.90	29,469.25	(28.31)	(29.57)	0.16	1.37	1.25
TOYOTA ABS 2016-B A3 DTD 05/11/2016 1.300% 04/15/2020	89231UAD9	99,773.23	CITIGRP		99.55	99,327.32	(440.81)	(443.33)	0.62	1.41	1.62
JOHN DEERE ABS 2016-B A3 DTD 07/27/2016 1.250% 06/15/2020	47788NAC2	35,000.00	RBC CAP		99.43	34,800.45	(196.76)	(198.00)	0.91	1.59	1.61
CNH 2017-A A2 DTD 03/22/2017 1.640% 07/15/2020	12636WAB2	116,626.45	CITIGRP		99.78	116,374.06	(247.91)	(248.87)	0.31	1.69	1.77
TOYOTA ABS 2016-C A3 DTD 08/10/2016 1.140% 08/15/2020	89237WAD9	45,000.00	MITSU		99.27	44,671.27	(327.52)	(328.03)	0.81	1.78	1.55
CITIBANK ABS 2017-A2 A2 DTD 01/26/2017 1.740% 01/17/2021	17305EGA7	120,000.00	CITIGRP		99.65	119,581.84	(395.18)	(418.16)	0.95	1.67	1.95
JOHN DEERE ABS 2017-A A3 DTD 03/02/2017 1.780% 04/15/2021	47787XAC1	30,000.00	MERRILL		99.26	29,778.59	(217.14)	(217.15)	1.50	2.08	2.14



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Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	Broker	Next Call Date	Market Price	Market Value	Unreal G/L On Cost	Unreal G/L Amort Cost	Effective Duration	Duration to Worst at Mkt	YTM
Asset-Backed Security / Collateralized Mortgage Obligation											
HYUNDAI ABS 2016-B A3 DTD 09/21/2016 1.290% 04/15/2021	44891EAC3	75,000.00	JPMCHASE		98.76	74,069.76	(920.15)	(923.47)	1.36	2.64	1.76
FORD ABS 2017-A A3 DTD 01/25/2017 1.670% 06/15/2021	34531EAD8	95,000.00	CITIGRP		99.14	94,182.15	(817.50)	(817.61)	1.54	2.42	2.03
CCCIT 2017-A9 A9 DTD 10/02/2017 1.800% 09/20/2021	17305EGH2	140,000.00	CITIGRP		99.15	138,814.10	(1,175.47)	(1,176.41)	1.60	1.84	2.26
JOHN DEERE ABS 2017-B A3 DTD 07/15/2017 1.820% 10/15/2021	47788BAD6	30,000.00	MITSU		98.86	29,656.88	(340.92)	(341.20)	2.13	1.54	2.57
ALLY ABS 2017-4 A3 DTD 08/23/2017 1.750% 12/15/2021	02007FAC9	100,000.00	DEUTSCHE		98.92	98,919.90	(1,078.81)	(1,078.95)	1.67	1.92	2.31
ALLYA 2017-5 A3 DTD 11/22/2017 1.990% 03/15/2022	02007YAC8	110,000.00	CITIGRP		99.22	109,146.44	(845.02)	(845.38)	1.84	2.04	2.37
FORDO 2017-C A3 DTD 11/21/2017 2.010% 03/15/2022	34532AAD5	140,000.00	MERRILL		99.23	138,925.84	(1,048.92)	(1,049.96)	1.95	2.04	2.39
Security Type Sub-Total		1,165,899.65				1,157,717.85	(8,080.42)	(8,116.09)	1.29	1.90	2.03
Managed Account Sub-Total		14,447,369.11				14,300,914.78	(240,167.11)	(196,008.51)	2.52	2.57	2.33
Securities Sub-Total		\$14,447,369.11				\$14,300,914.78	(\$240,167.11)	(\$196,008.51)	2.52	2.57	2.33%
Accrued Interest						\$59,208.47					
Total Investments						\$14,360,123.25					

Bolded items are forward settling trades.



Managed Account Security Transactions & Interest

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Transaction Type	Trade	Settle	Security Description	CUSIP	Par	Principal Proceeds	Accrued Interest	Total	Realized G/L Cost	Realized G/L Amort Cost	Sale Method
BUY											
	01/02/18	01/04/18	US TREASURY NOTES DTD 07/31/2017 1.875% 07/31/2022	9128282P4	245,000.00	(241,363.28)	(1,959.83)	(243,323.11)			
	01/02/18	01/04/18	US TREASURY NOTES DTD 02/02/2015 1.250% 01/31/2020	912828H52	320,000.00	(315,662.50)	(1,706.52)	(317,369.02)			
	01/31/18	02/01/18	US TREASURY N/B NOTES DTD 01/31/2018 2.000% 01/31/2020	9128283S7	90,000.00	(89,736.33)	(4.97)	(89,741.30)			

Transaction Type Sub-Total					655,000.00	(646,762.11)	(3,671.32)	(650,433.43)			
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INTEREST											
	01/01/18	01/25/18	FNMA SERIES 2016-M9 ASQ2 DTD 06/01/2016 1.785% 06/01/2019	3136ASPX8	37,612.95	0.00	68.66	68.66			
	01/02/18	01/02/18	MONEY MARKET FUND	MONEY0002	0.00	0.00	58.24	58.24			
	01/10/18	01/10/18	SVENSKA HANDELSBANKEN NY LT CD DTD 01/12/2017 1.890% 01/10/2019	86958JHB8	200,000.00	0.00	1,932.00	1,932.00			
	01/15/18	01/15/18	JOHN DEERE ABS 2016-B A3 DTD 07/27/2016 1.250% 06/15/2020	47788NAC2	35,000.00	0.00	36.46	36.46			
	01/15/18	01/15/18	TOYOTA ABS 2016-C A3 DTD 08/10/2016 1.140% 08/15/2020	89237WAD9	45,000.00	0.00	42.75	42.75			
	01/15/18	01/15/18	ALLYA 2017-5 A3 DTD 11/22/2017 1.990% 03/15/2022	02007YAC8	110,000.00	0.00	182.42	182.42			
	01/15/18	01/15/18	CNH 2017-A A2 DTD 03/22/2017 1.640% 07/15/2020	12636WAB2	143,697.70	0.00	196.39	196.39			
	01/15/18	01/15/18	ALLY ABS 2017-4 A3 DTD 08/23/2017 1.750% 12/15/2021	02007FAC9	100,000.00	0.00	145.83	145.83			
	01/15/18	01/15/18	CARMAX ABS 2016-3 A2 DTD 07/20/2016 1.170% 08/15/2019	14314EAB7	37,575.38	0.00	36.64	36.64			
	01/15/18	01/15/18	TOYOTA ABS 2016-B A3 DTD 05/11/2016 1.300% 04/15/2020	89231UAD9	107,231.38	0.00	116.17	116.17			
	01/15/18	01/15/18	FORD ABS 2017-A A3 DTD 01/25/2017 1.670% 06/15/2021	34531EAD8	95,000.00	0.00	132.21	132.21			
	01/15/18	01/15/18	HYUNDAI ABS 2016-B A3 DTD 09/21/2016 1.290% 04/15/2021	44891EAC3	75,000.00	0.00	80.63	80.63			



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Transaction Type	Trade	Settle	Security Description	CUSIP	Par	Principal Proceeds	Accrued Interest	Total	Realized G/L Cost	Realized G/L Amort Cost	Sale Method
INTEREST											
	01/15/18	01/15/18	JOHN DEERE ABS 2017-B A3 DTD 07/15/2017 1.820% 10/15/2021	47788BAD6	30,000.00	0.00	45.50	45.50			
	01/15/18	01/15/18	JOHN DEERE ABS 2017-A A3 DTD 03/02/2017 1.780% 04/15/2021	47787XAC1	30,000.00	0.00	44.50	44.50			
	01/15/18	01/15/18	FORDO 2017-C A3 DTD 11/21/2017 2.010% 03/15/2022	34532AAD5	140,000.00	0.00	234.50	234.50			
	01/17/18	01/17/18	CITIBANK ABS 2017-A2 A2 DTD 01/26/2017 1.740% 01/17/2021	17305EGA7	120,000.00	0.00	1,044.00	1,044.00			
	01/20/18	01/20/18	AMERICAN HONDA FINANCE CORP NOTES DTD 07/20/2017 1.950% 07/20/2020	02665WBT7	25,000.00	0.00	243.75	243.75			
	01/22/18	01/22/18	JP MORGAN CHASE & CO NOTES DTD 07/22/2010 4.400% 07/22/2020	46625HHS2	455,000.00	0.00	10,010.00	10,010.00			
	01/24/18	01/24/18	BANK OF AMERICA CORP CORP NOTES DTD 01/24/2012 5.700% 01/24/2022	06051GEM7	130,000.00	0.00	3,705.00	3,705.00			
	01/24/18	01/24/18	AMERICAN EXPRESS BK FSB LT CD DTD 07/24/2014 2.000% 07/24/2019	02587CAJ9	245,000.00	0.00	2,470.14	2,470.14			
	01/31/18	01/31/18	US TREASURY NOTES DTD 07/31/2017 1.875% 07/31/2022	9128282P4	195,000.00	0.00	1,828.13	1,828.13			
	01/31/18	01/31/18	US TREASURY NOTES DTD 07/31/2017 1.875% 07/31/2022	9128282P4	245,000.00	0.00	2,296.88	2,296.88			
	01/31/18	01/31/18	US TREASURY NOTES DTD 02/02/2015 1.250% 01/31/2020	912828H52	320,000.00	0.00	2,000.00	2,000.00			
	01/31/18	01/31/18	US TREASURY NOTES DTD 08/01/2016 1.125% 07/31/2021	912828S76	175,000.00	0.00	984.38	984.38			
	01/31/18	01/31/18	US TREASURY NOTES DTD 07/31/2017 1.875% 07/31/2022	9128282P4	100,000.00	0.00	937.50	937.50			
	01/31/18	01/31/18	US TREASURY N/B DTD 07/31/2014 2.250% 07/31/2021	912828WY2	295,000.00	0.00	3,318.75	3,318.75			
	01/31/18	01/31/18	US TREASURY NOTES DTD 02/02/2015 1.500% 01/31/2022	912828H86	460,000.00	0.00	3,450.00	3,450.00			
Transaction Type Sub-Total					3,951,117.41	0.00	35,641.43	35,641.43			

PAYDOWNS



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Transaction Type		Security Description	CUSIP	Par	Principal Proceeds	Accrued Interest	Total	Realized G/L Cost	Realized G/L Amort Cost	Sale Method
Trade	Settle									
PAYDOWNS										
01/01/18	01/25/18	FNMA SERIES 2016-M9 ASQ2 DTD 06/01/2016 1.785% 06/01/2019	3136ASPX8	3,143.49	3,143.49	0.00	3,143.49	(31.43)	0.00	
01/15/18	01/15/18	CARMAX ABS 2016-3 A2 DTD 07/20/2016 1.170% 08/15/2019	14314EAB7	8,075.41	8,075.41	0.00	8,075.41	0.66	0.00	
01/15/18	01/15/18	CNH 2017-A A2 DTD 03/22/2017 1.640% 07/15/2020	12636WAB2	27,071.25	27,071.25	0.00	27,071.25	1.04	0.00	
01/15/18	01/15/18	TOYOTA ABS 2016-B A3 DTD 05/11/2016 1.300% 04/15/2020	89231UAD9	7,458.15	7,458.15	0.00	7,458.15	0.38	0.00	
Transaction Type Sub-Total				45,748.30	45,748.30	0.00	45,748.30	(29.35)	0.00	
SELL										
01/02/18	01/04/18	BANK OF BARODA LT CD DTD 10/28/2013 2.050% 10/29/2018	0606246K4	245,000.00	245,318.50	935.70	246,254.20	318.50	318.50	FIFO
01/02/18	01/04/18	CAPTIAL ONE BANK USA NA LT CD DTD 08/12/2015 1.700% 08/13/2018	14042E5N6	245,000.00	244,755.00	1,654.59	246,409.59	(245.00)	(245.00)	FIFO
Transaction Type Sub-Total				490,000.00	490,073.50	2,590.29	492,663.79	73.50	73.50	
Managed Account Sub-Total					(110,940.31)	34,560.40	(76,379.91)	44.15	73.50	
Total Security Transactions					(110,940.31)	\$34,560.40	(76,379.91)	\$44.15	\$73.50	

Bolded items are forward settling trades.

M E M O

TO: Board of Directors
FROM: David Shank, Assistant General Manager/CFO
DATE: February 26, 2018
SUBJECT: Budget Status Report

Purpose

Provide a Budget Status Report of the District's budget to the Board.

Summary

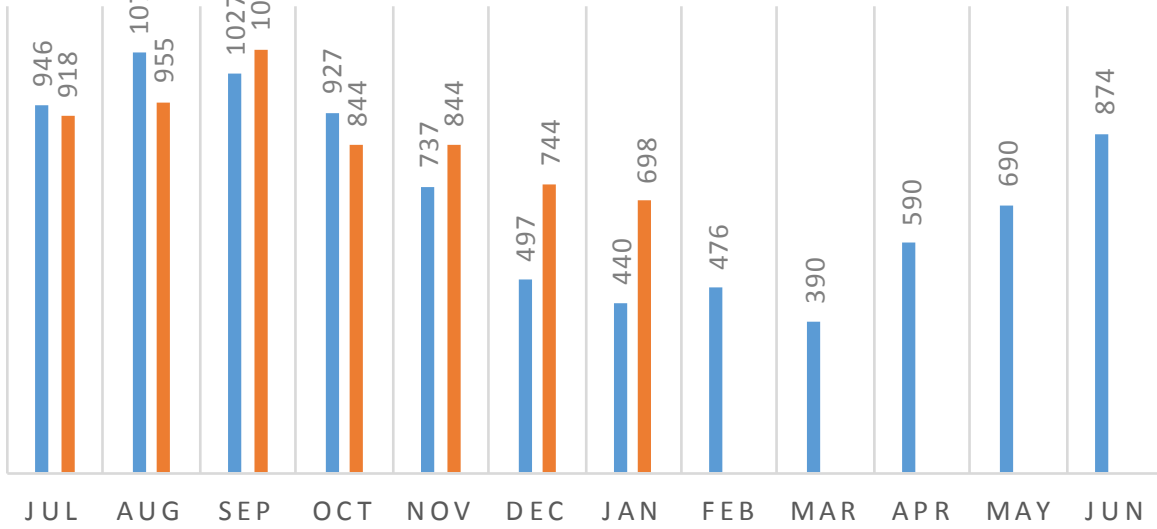
Water sales levels continue to outperform budget assumptions largely due to the lack of winter rainfall. The water and recycled water sales levels are shown in the charts below. Higher sales levels have resulted in higher than expected water sales revenues and expenditures this month and year-to-date. Next month, the calendar year 2018 rates and charges will impact rate revenues. New wastewater service charge rates should boost revenues, which is expected to trend monthly revenues towards budget projections. This should improve year-to-date and year-end results.

Non-operating revenue shows the higher than expected property tax remittances likely due to residents responding to the federal tax law changes for calendar year 2018. This expected to self-correct and be in line with the budget at year-end.

The District's expenditures are slightly over budget due to the higher than budgeted purchased water expense. This, as discussed above, is due to higher than expected water sales. The District's consolidated operating department expenses are slightly under budget.

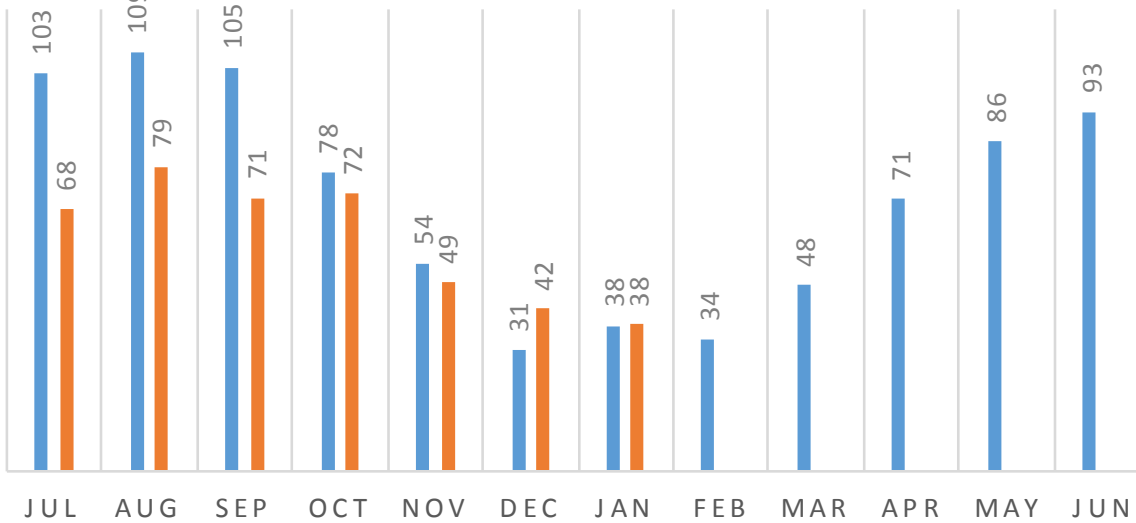
Total revenue is \$977,830 or 4.9% over budget and expenditures are \$561,712 or 3.2% over budget. Capital spending is trending towards the budget after a large capital project expense earlier this year. As a result, the District financial position is in line with budget expectations.

WATER SALES (AF)



Year-to-Date Actual 6,093 AF Year-to-Date Budget 5,653AF

RECYCLED WATER (AF)



Year-to-Date Actual 419 Year-to-Date Budget 518

Monthly Budget Report for January

Favorable Variance Shown as a positive number

	Current Month		Year-To-Date				Annual Budget		
	Actual**	Budget	Actual	Budget	Variance	%	Budget	Remaining Balance	%
Operating Revenues:								Year remaining	41.7%
Water Sales*	1,186,092	836,385	10,336,719	9,520,356	816,363	8.6%	15,388,356	5,051,637	32.8%
MWD Readiness to Serve*	42,187	17,463	295,572	220,095	75,477	34.3%	357,204	61,632	17.3%
CWA Infrastructure Access Charge	33,082	34,278	231,999	239,943	(7,945)	-3.3%	411,331	179,332	43.6%
Meter Service Charges	451,928	445,702	3,169,241	3,119,911	49,330	1.6%	5,348,419	2,179,178	40.7%
Wastewater Service Charges	437,811	482,325	3,145,433	3,376,277	(230,844)	-6.8%	5,787,904	2,642,471	45.7%
Sundry Other Revenue	28,637	25,508	248,805	178,558	70,246	39.3%	306,100	57,295	18.7%
CWA Rebates	8,480	13,537	85,140	94,761	(9,621)	-10.2%	162,448	77,308	47.6%
Total Operating Revenue	2,188,217	1,855,198	17,512,908	16,749,902	763,006	4.6%	27,761,762	10,248,854	36.9%
Non Operating Revenues:									
Capital Improvement Charge	191,061	199,683	1,339,278	1,397,783	(58,505)	-4.2%	2,396,200	1,056,922	44.1%
Property Taxes	-	42,506	1,226,369	1,114,104	112,265	10.1%	1,916,938	690,569	36.0%
Water Standby/Availability Charge	-	4,594	118,892	116,947	1,945	1.7%	203,000	84,108	41.4%
Water/Wastewater Capacity Charges	8,039	11,410	75,046	79,867	(4,820)	-6.0%	136,914	61,868	45.2%
Portfolio Interest	42,154	17,280	145,279	120,958	24,321	20.1%	207,356	62,077	29.9%
Pumping Charge	11,704	10,987	107,841	76,907	30,934	40.2%	131,840	23,999	18.2%
Prop 84 & 50 Funds	-	-	67,100	-	67,100	NA	-	(67,100)	NA
SRF Loan Proceeds	-	-	-	-	-	NA	-	-	NA
CSI Rebate	-	-	-	-	-	NA	-	-	NA
Facility Rents & Other Non Operating Revenues	15,531	14,421	142,532	100,949	41,583	41.2%	173,055	30,523	17.6%
Total Non Operating Revenues	268,489	300,880	3,222,338	3,007,514	214,824	7.1%	5,165,303	1,942,965	37.6%
Total Revenues	2,456,706	2,156,078	20,735,246	19,757,416	977,830	4.9%	32,927,065	12,191,819	37.0%
Expenditures									
Purchased Water Expense	881,677	796,612	8,904,094	8,320,214	(583,881)	-7.0%	13,228,586	4,324,492	32.7%
MWD Readiness to Serve*	29,767	29,767	208,364	208,369	6	0.0%	357,204	148,841	41.7%
CWA Infrastructure Access Charge*	37,170	37,170	239,886	239,886	-	0.0%	425,736	185,850	43.7%
Production-Water Quality & Treatment	109,812	160,174	657,175	854,262	197,087	23.1%	1,388,176	731,001	52.7%
Distribution & Pumping	163,616	218,777	1,096,660	1,166,813	70,153	6.0%	1,896,071	799,411	42.2%
Customer Service	151,415	163,975	869,930	874,535	4,605	0.5%	1,421,119	551,190	38.8%
General Administration	680,577	587,792	3,327,523	3,134,889	(192,635)	-6.1%	5,094,194	1,766,671	34.7%
Collection, Treatment & Disposal	237,386	315,180	1,737,813	1,680,960	(56,853)	-3.4%	2,731,560	993,747	36.4%
Total Operating Expenses	2,291,420	2,309,447	17,041,446	16,479,927	(561,518)	-3.4%	26,542,646	9,501,200	35.8%
Debt Service Expenses									
CalPERS UAL	-	-	572,652	572,652	-	0.0%	572,652	-	0.0%
Red Mountain SRF	197,925	197,712	395,637	395,424	(213)	-0.1%	395,424	(213)	-0.1%
WWTP SRF	-	-	-	-	-	NA	1,845,746	1,845,746	100.0%
QECB Solar Debt (Net of Subsidy)	-	-	186,270	186,290	20	0.0%	372,854	186,584	50.0%
Total Debt Service	197,925	197,712	1,154,559	1,154,366	(193)	0.0%	2,614,024	1,459,464	55.8%
Total Expenses	2,489,345	2,507,159	18,196,005	17,634,293	(561,712)	-3.2%	29,156,670	10,960,665	37.6%
Net Revenue/(loss) From Operations and Debt Service	(32,639)	(351,081)	2,539,241	2,123,123	416,118	19.6%	3,770,395	1,231,154	32.7%
Capital Investment									
Construction Expenditures*	397,500	504,269	4,054,905	3,529,880	(525,025)	-14.9%	6,051,223	1,996,318	33.0%
Net Revenue/(Loss)	(430,139)	(855,349)	(1,515,664)	(1,406,757)	(108,907)	7.7%	(2,280,828)	(765,164)	33.5%

* Annual and monthly budgeted amounts updated.

01/31/2018

Treasurer's Warrant No. January

TO: Treasurer of the Fallbrook Public Utility District

The bills and claims listed below are approved as authorized by resolution no. 3538 of the Board of Directors dated July 8, 1985. You are hereby authorized and directed to pay said prospective claims in the amounts stated (less discounts in instances where discounts are allowed).

Payroll -01/18

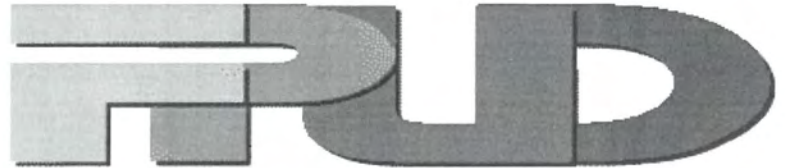
Computer Check Register

Payroll #1	135,695.38
Payroll #2	212,532.32
Payroll #3	<u>126,622.53</u>
	<u>474,850.23</u>

Accounts Payable

Checks by Date - Summary by Check Date

User: AnnaleceB
Printed: 1/31/2018 9:01 AM



Fallbrook Public Utility District

Purchasing Dept. Phone: (760) 728-1151, Fax: (760) 728-8491

Main Office Phone: (760) 728-1125, Fax: (760) 728-6029

Check No	Vendor No	Vendor Name	Check Date	Check Amount
ACH	00152	FPUD EMPL ASSOCIATION	01/03/2018	936.86
ACH	06758	US TREASURY - PAYROLL TAXES	01/03/2018	62,843.45
ACH	06759	STATE OF CA - PR TAXES	01/03/2018	9,129.62
ACH	06760	STATE OF CA - SDI	01/03/2018	2,220.32
ACH	06761	LINCOLN FINANCIAL GROUP	01/03/2018	6,178.84
ACH	06763	PERS - PAYROLL	01/03/2018	35,227.99
Total for 1/3/2018:				116,537.08
77014	06323	ADVANCED COMMUNICATION SYSTE	01/04/2018	213.81
77015	91229	AMP United, LLC	01/04/2018	103,103.70
77016	00898	BP BATTERY	01/04/2018	728.83
77017	05897	FILOMENO CABALBAG	01/04/2018	88.50
77018	06375	CALGON CARBON CORPORATION	01/04/2018	6,300.00
77019	06012	CALIFORNIA DEPT OF CSS	01/04/2018	231.00
77020	06336	CAPITAL ONE COMMERCIAL	01/04/2018	161.09
77021	06299	D & H WATER SYSTEMS, INC	01/04/2018	576.50
77022	02901	DAVID DEEM	01/04/2018	62.15
77023	05985	SOLEIL DEVELLE	01/04/2018	637.00
77024	91123	DIGITAL DEPLOYMENT, INC.	01/04/2018	550.00
77025	00169	FALLBROOK OIL COMPANY	01/04/2018	3,217.05
77026	01155	FALLBROOK REFUSE	01/04/2018	96.00
77027	05865	FASTSIGNS TEMECULA	01/04/2018	77.13
77028	91199	FIRST BANKCARD	01/04/2018	1,508.49
77029	91200	FIRST BANKCARD	01/04/2018	2,420.52
77030	91202	FIRST BANKCARD	01/04/2018	63.92
77031	91212	FIRST BANKCARD	01/04/2018	141.20
77032	91225	FIRST BANKCARD	01/04/2018	661.72
77033	91235	FIRST BANKCARD	01/04/2018	103.71
77034	05560	FRANCHISE TAX BOARD	01/04/2018	250.00
77035	09517	GENCO	01/04/2018	30.17
77036	00182	GLENNIE'S OFFICE PRODUCTS, INC	01/04/2018	3,669.10
77037	04958	GOSCH FORD TEMECULA	01/04/2018	83.43
77038	06722	CHRIS HAMILTON	01/04/2018	212.93
77039	06577	INFOSEND INC	01/04/2018	2,196.60
77040	00190	JCI JONES CHEMICALS INC.	01/04/2018	7,793.83
77041	05505	TODD JESTER	01/04/2018	8.94
77042	06243	JIM'S SIGN SHOP	01/04/2018	23.71
77043	90902	MATTHEW LIAN	01/04/2018	220.00
77044	03322	LIGHTHOUSE AUTOMOTIVE	01/04/2018	2,061.12
77045	91130	LINCOLN NATIONAL LIFE INSURANC	01/04/2018	3,187.49
77046	91029	MALLORY SAFETY AND SUPPLY CO	01/04/2018	952.48
77047	06614	MITEL LEASING	01/04/2018	815.15
77048	90932	NAPA AUTO PARTS	01/04/2018	191.67
77049	00718	NATIONWIDE RETIREMENT SOLUTIO	01/04/2018	2,868.07
77050	91234	OINK & MOO BURGERS & BBQ	01/04/2018	1,901.00
77051	04900	PARADISE CHEVROLET CADILLAC	01/04/2018	800.33

Check No	Vendor No	Vendor Name	Check Date	Check Amount
77052	00215	PETTY CASH	01/04/2018	97.58
77053	03137	GARY PITTS	01/04/2018	530.55
77054	91104	RAFTELIS FINANCIAL CONSULTANTS	01/04/2018	6,026.18
77055	05636	SAM'S CLUB	01/04/2018	195.67
77056	06252	SAN DIEGO COUNTY	01/04/2018	54.80
77057	00232	SAN DIEGO GAS & ELECTRIC	01/04/2018	30,963.83
77058	91094	SCADA INTEGRATIONS	01/04/2018	6,649.75
77059	00236	SCRAPPYS	01/04/2018	240.05
77060	04092	STATE WATER RESOURCES CONT BRI	01/04/2018	105.00
77061	06610	STETSON ENGINEERS INC	01/04/2018	21,128.20
77062	91082	TELETRAC, INC	01/04/2018	300.00
77063	02570	CHERYL WILLIAMS	01/04/2018	256.50
Total for 1/4/2018:				214,756.45
77064	04995	AMERICAN MESSAGING	01/10/2018	106.56
77065	06403	APPLEONE EMPLOYMENT SERVICES	01/10/2018	880.64
77066	06696	AT & T MOBILTIY	01/10/2018	56.09
77067	06020	BABCOCK & SONS, INC.	01/10/2018	1,820.00
77068	03978	CAMERON WELDING SUPPLY	01/10/2018	38.79
77069	01719	MICKEY M. CASE	01/10/2018	60.00
77070	00709	COUNTY OF SAN DIEGO	01/10/2018	1,225.00
77071	91044	CUBICLES OFFICE ENVIRONMENTS, I	01/10/2018	129.30
77072	02925	DATA NET SOLUTIONS	01/10/2018	96.00
77073	04794	DSR/DOOR SERVICE & REPAIR, INC.	01/10/2018	236.00
77074	04122	EVOQUA WATER TECHNOLOGIES LLC	01/10/2018	3,975.98
77075	09523	FALLBROOK EQUIP RENTALS	01/10/2018	1,840.87
77076	06286	GARDA CL WEST, INC.	01/10/2018	233.82
77077	02170	GRAINGER, INC.	01/10/2018	268.37
77078	06722	CHRIS HAMILTON	01/10/2018	65.00
77079	03276	HOME DEPOT CREDIT SERVICES	01/10/2018	3,196.13
77080	UB*00121	UNITE PACIFIC INC	01/10/2018	912.13
77081	06577	INFOSEND INC	01/10/2018	3,898.76
77082	06380	JANI-KING OF CALIFORNIA, INC - SAI	01/10/2018	285.00
77083	04027	JOES HARDWARE	01/10/2018	473.08
77084	04926	KONICA MINOLTA PREMIER FINANCE	01/10/2018	3,613.74
77085	03765	LENNIHAN LAW	01/10/2018	7,262.30
77086	90902	MATTHEW LIAN	01/10/2018	215.00
77087	02618	MC MASTER-CARR	01/10/2018	532.12
77088	06596	MCS INSPECTION GROUP	01/10/2018	6,855.00
77089	06150	NEOPOST USA INC.	01/10/2018	24.78
77090	91167	NORTH COUNTY FORD	01/10/2018	75,325.19
77091	06298	ONESOURCE DISTRIBUTORS, LLC	01/10/2018	1,030.12
77092	00216	PINE TREE LUMBER	01/10/2018	184.26
77093	91236	PLATINUM CONSULTING GROUP LLC	01/10/2018	127.50
77094	91071	JACOB ROBINSON	01/10/2018	161.00
77095	91136	DUANE RULE	01/10/2018	2,982.33
77096	00231	SAN DIEGO COUNTY WATER AUTH	01/10/2018	1,154,466.80
77097	03231	SAN DIEGO COUNTY WATER AUTH	01/10/2018	15,471.00
77098	05403	SAN DIEGO UNION-TRIBUNE CO.	01/10/2018	214.08
77099	06163	SEA SHILED MARINE PRODUCTS	01/10/2018	274.01
77100	91107	SPECTRUM BUSINESS	01/10/2018	105.58
77101	05415	STATE WATER RESOURCE CONTROL	01/10/2018	60.00
77102	05608	STEVEN ENTERPRISES INC	01/10/2018	235.00
77103	05883	TESTAMERICA LABORATORIES, INC.	01/10/2018	1,271.06
77104	90990	TK CONSTRUCTION, INC.	01/10/2018	7,400.00
77105	06005	UNIFIRST CORP.	01/10/2018	1,765.11

Check No	Vendor No	Vendor Name	Check Date	Check Amount
77106	91214	YOUNGREN CONSTRUCTION, INC.	01/10/2018	9,987.00
Total for 1/10/2018:				1,309,360.50
ACH	00152	FPUD EMPL ASSOCIATION	01/17/2018	936.86
ACH	06758	US TREASURY - PAYROLL TAXES	01/17/2018	121,506.53
ACH	06759	STATE OF CA - PR TAXES	01/17/2018	21,194.81
ACH	06760	STATE OF CA - SDI	01/17/2018	3,604.78
ACH	06761	LINCOLN FINANCIAL GROUP	01/17/2018	6,178.84
ACH	06763	PERS - PAYROLL	01/17/2018	35,941.01
77118	90911	ACE PARTY PRODUCTIONS	01/17/2018	219.80
77119	00101	ACWA JPIA	01/17/2018	87,582.02
77120	00805	ACWA/JOINT POWERS INS.	01/17/2018	31,370.85
77121	06323	ADVANCED COMMUNICATION SYSTE	01/17/2018	1,690.54
77122	06403	APPLEONE EMPLOYMENT SERVICES	01/17/2018	1,695.05
77123	02805	ASBURY ENVIRONMENTAL SERVICES	01/17/2018	35.00
77124	05088	AT&T	01/17/2018	872.06
77125	UB*00123	JEFFERY & NANCY BERK	01/17/2018	101.06
77126	00898	BP BATTERY	01/17/2018	201.85
77127	06402	BRIAN BRADY	01/17/2018	276.03
77128	03978	CAMERON WELDING SUPPLY	01/17/2018	402.01
77129	06572	CCL CONSTRUCTION INC	01/17/2018	139,365.25
77130	03205	CITY OF OCEANSIDE	01/17/2018	2,739.92
77131	UB*00110	HAZARD CONSTRUCTION COMPANY	01/17/2018	50.87
77132	02176	CORELOGIC SOLUTIONS, LLC	01/17/2018	225.00
77133	05953	CORODATA RECORDS MANAGEMENT	01/17/2018	581.16
77134	02586	COSTCO MEMBERSHIP	01/17/2018	120.00
77135	00425	C/O VALLECITOS WATER DISTRICT C	01/17/2018	40.00
77136	00370	CROP PRODUCTION SERVICES, INC.	01/17/2018	1,468.41
77137	02925	DATA NET SOLUTIONS	01/17/2018	1,303.35
77138	05180	NOELLE DENKE	01/17/2018	52.85
77139	05192	DIAMOND ENVIRONMENTAL SERVIC	01/17/2018	551.15
77140	UB*00122	DENISE & RICHARD DIBISCH	01/17/2018	33.39
77141	04425	DOMINICK'S SANDWICHES	01/17/2018	35.28
77142	06711	ECS IMAGING, INC	01/17/2018	3,850.00
77143	06303	EXECUTIVE LANDSCAPE INC.	01/17/2018	700.00
77144	02647	FALLBROOK AWARDS	01/17/2018	32.33
77145	01099	FALLBROOK IRRIGATION INC	01/17/2018	7.73
77146	00169	FALLBROOK OIL COMPANY	01/17/2018	2,553.21
77147	00170	FALLBROOK WASTE & RECYCLING	01/17/2018	636.14
77148	91203	FIRST BANKCARD	01/17/2018	1,405.92
77149	00182	GLENNIE'S OFFICE PRODUCTS, INC	01/17/2018	604.27
77150	02170	GRAINGER, INC.	01/17/2018	4,506.07
77151	03174	HAAKER EQUIPMENT COMPANY	01/17/2018	980.37
77152	05380	HACH CO	01/17/2018	250.00
77153	06577	INFOSEND INC	01/17/2018	883.07
77154	06243	JIM'S SIGN SHOP	01/17/2018	64.65
77155	03322	LIGHTHOUSE AUTOMOTIVE	01/17/2018	371.74
77156	06263	LOS ANGELES FREIGHTLINER, LLC	01/17/2018	9,481.77
77157	06596	MCS INSPECTION GROUP	01/17/2018	7,606.00
77158	91192	MISSION LINEN SUPPLY	01/17/2018	1,715.80
77159	03944	MISSION RESOURCE CONSV DISTRIC	01/17/2018	187.50
77160	90932	NAPA AUTO PARTS	01/17/2018	129.34
77161	03201	NATIONAL SAFETY COMPLIANCE INC	01/17/2018	55.00
77162	01406	NORTH COUNTY WELDING SUPPLY	01/17/2018	120.90
77163	06298	ONESOURCE DISTRIBUTORS, LLC	01/17/2018	585.35
77164	91238	PACIFIC BELL AT & T	01/17/2018	3,367.05

Check No	Vendor No	Vendor Name	Check Date	Check Amount
77165	01267	PACIFIC PIPELINE	01/17/2018	1,283.71
77166	04662	QUALITY FENCE COMPANY, INC.	01/17/2018	2,000.00
77167	02265	RUPE'S HYDRAULICS	01/17/2018	3,606.52
77168	06703	S & C ELECTRIC COMPANY	01/17/2018	6,500.00
77169	05936	SAN DIEGO COUNTY RECORDER	01/17/2018	50.00
77170	06563	SCHNEIDER ELECTRIC USA INC	01/17/2018	719.77
77171	00236	SCRAPPYS	01/17/2018	817.97
77172	04434	SNAP ON TOOLS	01/17/2018	968.65
77173	06401	SONSRAY MACHINERY LLC	01/17/2018	719.65
77174	90929	SOUTHWEST ANSWERING SERVICE, I	01/17/2018	1,121.52
77175	04820	KEVIN STAMPER	01/17/2018	79.96
77176	00159	SUPERIOR READY MIX	01/17/2018	1,728.02
77177	06735	TCN, INC.	01/17/2018	126.38
77178	91082	TELETRAC, INC	01/17/2018	1,105.48
77179	04296	TRENCH PLATE RENTAL CO	01/17/2018	512.45
77180	00724	UNDERGROUND SERVICE ALERT	01/17/2018	310.30
77181	06005	UNIFIRST CORP.	01/17/2018	3,336.00
77182	04313	USA BLUE BOOK	01/17/2018	1,315.98
77183	00458	VERIZON WIRELESS	01/17/2018	1,586.44
Total for 1/17/2018:				528,358.74
77184	01460	AFLAC	01/24/2018	1,449.03
77185	06403	APPLEONE EMPLOYMENT SERVICES	01/24/2018	1,096.48
77186	06235	JACK BEBEE	01/24/2018	97.79
77187	06402	BRIAN BRADY	01/24/2018	76.68
77188	06012	CALIFORNIA DEPT OF CSS	01/24/2018	231.00
77189	03134	CALIFORNIA WATER ENVIRONMENT.	01/24/2018	85.00
77190	04178	CALOLYMPIC SAFETY CO., INC.	01/24/2018	7,364.67
77191	03205	CITY OF OCEANSIDE	01/24/2018	1,110.75
77192	06675	CORODATA SHREDDING, INC	01/24/2018	54.50
77193	05180	NOELLE DENKE	01/24/2018	163.25
77194	04794	DSR/DOOR SERVICE & REPAIR, INC.	01/24/2018	265.05
77195	00169	FALLBROOK OIL COMPANY	01/24/2018	2,301.31
77196	04494	FEDERAL EXPRESS CORPORATION	01/24/2018	122.65
77197	91198	FIRST BANKCARD	01/24/2018	2,205.60
77198	91212	FIRST BANKCARD	01/24/2018	90.00
77199	05560	FRANCHISE TAX BOARD	01/24/2018	250.00
77200	91232	FTR, LTD	01/24/2018	3,892.00
77201	09517	GENCO	01/24/2018	78.66
77202	02170	GRAINGER, INC.	01/24/2018	1,544.70
77203	06577	INFOSEND INC	01/24/2018	3,042.85
77204	05255	INLAND WATER WORKS SUPPLY CO.	01/24/2018	265.00
77205	06380	JANI-KING OF CALIFORNIA, INC - SA	01/24/2018	2,722.99
77206	91130	LINCOLN NATIONAL LIFE INSURANC	01/24/2018	3,228.36
77207	06633	MAINTENANCE CONNECTION INC	01/24/2018	756.20
77208	06614	MITEL LEASING	01/24/2018	815.15
77209	06338	MYTHOS TECHNOLOGY INC	01/24/2018	2,585.94
77210	00718	NATIONWIDE RETIREMENT SOLUTIO	01/24/2018	2,868.07
77211	06298	ONESOURCE DISTRIBUTORS, LLC	01/24/2018	124.97
77212	00215	PETTY CASH	01/24/2018	163.23
77213	91007	PFM ASSET MANGEMENT LLC	01/24/2018	1,233.90
77214	00216	PINE TREE LUMBER	01/24/2018	12.89
77215	03137	GARY PITTS	01/24/2018	599.54
77216	04075	RAYNE WATER SYSTEMS	01/24/2018	125.00
77217	91077	MULTI SERVICE TECHNOLOGY SOLU'	01/24/2018	195.74
77218	91173	ROTORK CONTROLS INC.	01/24/2018	2,486.98

Check No	Vendor No	Vendor Name	Check Date	Check Amount
77219	00236	SCRAPPYS	01/24/2018	25.00
77220	06401	SONSRAY MACHINERY LLC	01/24/2018	185.09
77221	02815	SWRCB ACCOUNTING OFFICE	01/24/2018	28,180.00
77222	06541	TIFCO INDUSTRIES, INC	01/24/2018	670.94
77223	04330	UNION BANK	01/24/2018	1,413.00
77224	04290	VILLAGE NEWS, INC.	01/24/2018	990.00
77225	05909	WAGNER & BONSIGNORE, CONSULTI	01/24/2018	117.50
77226	02570	CHERYL WILLIAMS	01/24/2018	229.50
Total for 1/24/2018:				75,516.96
ACH	00152	FPUD EMPL ASSOCIATION	01/31/2018	917.32
ACH	06758	US TREASURY - PAYROLL TAXES	01/31/2018	57,058.35
ACH	06759	STATE OF CA - PR TAXES	01/31/2018	7,853.98
ACH	06760	STATE OF CA - SDI	01/31/2018	2,050.92
ACH	06761	LINCOLN FINANCIAL GROUP	01/31/2018	5,625.54
ACH	06763	PERS - PAYROLL	01/31/2018	33,931.64
77232	91237	AA TANKS	01/31/2018	1,523.75
77233	06323	ADVANCED COMMUNICATION SYSTE	01/31/2018	747.89
77234	06403	APPLEONE EMPLOYMENT SERVICES	01/31/2018	866.88
77235	06696	AT & T MOBILTIY	01/31/2018	56.10
77236	02743	BEST BEST & KRIEGER	01/31/2018	8,573.88
77237	06012	CALIFORNIA DEPT OF CSS	01/31/2018	231.00
77238	05876	JASON CAVENDER	01/31/2018	240.53
77239	03205	CITY OF OCEANSIDE	01/31/2018	1,041.97
77240	02925	DATA NET SOLUTIONS	01/31/2018	411.70
77241	91006	DAVID JENKINS AND ASSOCIATES	01/31/2018	300.00
77242	90962	DOUBLERADIUS	01/31/2018	5,844.28
77243	01432	FERGUSON WATERWORKS #1083	01/31/2018	4,786.26
77244	91200	FIRST BANKCARD	01/31/2018	2,679.61
77245	91202	FIRST BANKCARD	01/31/2018	145.06
77246	91203	FIRST BANKCARD	01/31/2018	1,389.86
77247	91225	FIRST BANKCARD	01/31/2018	1,689.35
77248	91235	FIRST BANKCARD	01/31/2018	65.96
77249	05560	FRANCHISE TAX BOARD	01/31/2018	250.00
77250	UB*00126	HOMBERTO GALLARDO	01/31/2018	11.38
77251	02773	HDS WHITE CAP CONST SUPPLY	01/31/2018	564.61
77252	06577	INFOSEND INC	01/31/2018	3,908.55
77253	06267	J2 GLOBAL IRELAND LIMITED	01/31/2018	59.91
77254	03322	LIGHTHOUSE AUTOMOTIVE	01/31/2018	634.49
77255	UB*00124	AJX HOMES LLC	01/31/2018	16.47
77256	06596	MCS INSPECTION GROUP	01/31/2018	7,471.00
77257	91004	MERCEDES-BENZ OF TEMECULA	01/31/2018	1,843.62
77258	UB*00125	SHARON MULLIN	01/31/2018	9.03
77259	01267	PACIFIC PIPELINE	01/31/2018	32,635.91
77260	04900	PARADISE CHEVROLET CADILLAC	01/31/2018	298.48
77261	91236	PLATINUM CONSULTING GROUP LLC	01/31/2018	2,677.50
77262	91104	RAFTELIS FINANCIAL CONSULTANTS	01/31/2018	7.56
77263	00232	SAN DIEGO GAS & ELECTRIC	01/31/2018	67,526.14
77264	UB*00128	ROCIO M SERRANO	01/31/2018	177.62
77265	06064	SOLENIS LLC	01/31/2018	7,396.99
77266	06401	SONSRAY MACHINERY LLC	01/31/2018	462.98
77267	UB*00127	DON STEED	01/31/2018	16.50
77268	06378	TALLEY INC	01/31/2018	1,517.33
77269	91067	UPODIUM ENTERPRISES, LLC	01/31/2018	119.19
77270	04313	USA BLUE BOOK	01/31/2018	5,380.36
77271	00233	WAXIE SANITARY SUPPLY	01/31/2018	3,219.11

Check No	Vendor No	Vendor Name	Check Date	Check Amount
77272	06231	WESTERN WATER WORKS SUPPLY CC	01/31/2018	6,463.32
Total for 1/31/2018:				280,699.88
Report Total (261 checks):				2,525,229.61



Jack Bebee

Acting General Manager

M E M O

TO: Board of Directors
FROM: David Shank, Assistant General Manager/CFO
DATE: February 26, 2018
SUBJECT: Finance Projects and Schedules

Purpose

Review of planned finance projects and their schedules.

Summary

A number of projects have been identified over the past several months by the FP&I Committee and the Board. This memo provides a summary of each project and outlines the completion schedule. The projects have been broken into three focus areas. Each focus area and the related projects are listed below. Attachment A provide a timeline for all the projects.

Accounting:

- **Accounting system review/optimization** – The current system configuration creates unnecessary and multiple journal entries. The current cost accounting structure also requires cumbersome journal entries to track basic things like cash and investment by fund. By making some changes in the system configuration, staff will reduce the number of journal entries, allow better tracking of cash/investments by fund, eliminate the fringe and warehouse burdens on labor and support better budget monitoring. With new auditors coming on board this work needs to be tested and implemented before the end of April. Work on this task has started.
- **Streamline Payroll** – Payroll currently takes an inordinate amount of time to process and Springbrook will not support enhancements without completely reworking the system structure. As a result, a third party service is necessary to support electronic timesheet entry and processing into Springbrook. A firm has been selected and work begun.
- **Auditor RFP/Selection** – The current auditor has served the District for five years. It is a best management practice to limit the number of years an auditor can serve for to ensure the financial reporting is kept to the highest standards. The District has issued a Request for Proposals (RFP) and proposals are due 2/26/2018 with interviews and selection to follow.
- **FY 17-18 Audit** – This is expected to take additional time as the new auditor learns the District system and performs the necessary tests for the first time. In addition, the District has set the goal of issuing its first Comprehensive Annual Financial Report (CAFR). A CAFR requires additional information that was not included in the District's Annual Financial Statements and is considered a best management practice. The issuance of a CAFR and the receipt of the award of excellence would not only elevate the District's

financial disclosure but also enhance transparency. The schedule would have the CAFR approved by the Board no later than December.

Budget:

- **FY 18-19 Budget** – The development of the next year’s budget has already begun. Staff are reviewing layout and content to establish a suitable balance of detail to provide transparent and accurate data. The financial system as it is currently configured make budget controls and status updates very difficult to do. The budget will be structured to work with the reconfigured financial system to yield the level of detail necessary to track and manage the annual budget. Per Article 15 of the Administrative Code, the Board will be presented the budget in May. Staff will engage the FP&I Committee in April to review layout and preliminary data.
- **Rate and Charge Adjustment** – Metropolitan’s Readiness-to-Serve (RTS) Charge was modified effective January 1, 2018, to eliminate an overcharge. This will be changed and the RTS charge modified to recover the appropriate amount in July.
- **CY 2019 Rates and Charges** – The rate and charge assumptions must be updated with CY 2019 data to support budget revenue and water cost assumptions. While the rate and charge levels will be vetted during this process, the rates and charges will not be adopted until late CY 2018.
- **Finalize Rate Model** – The rate model developed by the consultant must be modified and used to establish CY 2019 and beyond rates and charges. This requires that staff be able to annually update the assumptions on water costs, O&M, other revenues, and sales levels to set the rates and other things. This effort is underway and on schedule.

Reporting:

- **Budget Status Report** – The report is designed to enable a quick assessment of the District’s budget status. The report shows expected monthly activity, year to date, and remaining budget.
- **Treasurer’s Report** – The current treasurer’s report needs some basic enhancements. All funds and transactions should be reflected in the report. The report should show basic information in an easy to understand format. The review is underway and an example report will be presented to FP&I in March.
- **State Controller Report** – Each year the District must file certain reports with the State Treasurer’s Office. This report has been filed.

	FY 2017-18								FY 2018-19											
	Nov.	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct.	Nov.	Dec	Jan	Feb	March	April	May	June
Accounting																				
Accounting System Review/Optimization	Assessment			Phase I: Implementation				Phase II: Implementation												
Payroll Process Improvements				RFP	Award/Implement															
Auditor RFP/Selection				RFP	Award															
Audit FY 17-18								TBD Audit Schedule												
Budget																				
FY 2018-2019 Budget		Development			FP&I Draft	Meetings/Adopt														
Rate & Charge Adjustment									RTS											
CY 2019 Rates and Charges												Hearings/Adoption								
Finalize working rate model			Final model/Budget support																	
Reporting																				
Budget Status		Develop/Final																		
Treasurers Report			Develop/Final																	
State Controller Report			Due																	

FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS

DIRECTOR'S REPORT OF CONFERENCE / MEETING ATTENDANCE

Director Name: Jennifer DeMeo

Name & Location of Function: Colorado River Aqueduct Tour
SDCWA

Date(s) of Attendance: Jan 19+20

Purpose of Function: Education

Sponsoring Organization: MOT

Summary of Conference or Meeting:

We left early Fri to visit the
Dam Raise Project at San Vicente
then onto Diamond Lake. The
Tour of the large pumps at
Lake Havasa was the highlight
of the trip. We stayed at
Gene Camp. I learned about
different types of dams as well
as how the water is transported.

Director Signature: [Signature] Date: 2/20/2018

The Administrative Code requires reports of conferences or meetings for which a director requests per diem or expense reimbursement. Reports must be submitted to the secretary no later than one (1) week prior to the board meeting.

Reports must be submitted before the District will pay per diem or reimbursement for the conference or meeting. Reports are not required for board or committee meetings or meetings with board or committee officers, the general manager, or the general counsel.

FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS

DIRECTOR'S REPORT OF CONFERENCE / MEETING ATTENDANCE

Director Name: Jennifer DeMeo

Name & Location of Function: CSDA Quarterly Dinner Meeting
at The Butcher Shop in Keaney Mesa


Date(s) of Attendance: Feb 15 2018

Purpose of Function: Education/Networking

Sponsoring Organization: SD CSDA

Summary of Conference or Meeting:

Tom Paolicelli spoke about how well
the county is financially. Good
attendance at dinner + al sat w/ on
our new lawyer for BB+K, Nick.

Director Signature:  Date: 2/20/2018

The Administrative Code requires reports of conferences or meetings for which a director requests per diem or expense reimbursement. Reports must be submitted to the secretary no later than one (1) week prior to the board meeting.

Reports must be submitted before the District will pay per diem or reimbursement for the conference or meeting. Reports are not required for board or committee meetings or meetings with board or committee officers, the general manager, or the general counsel.