



Board Meeting Agenda

Russ Baggerly, Director
Mary Bergen, Director
Bill Hicks, Director

Pete Kaiser, Director
James Word, Director

CASITAS MUNICIPAL WATER DISTRICT

Meeting to be held at the
Casitas Board Room
1055 Ventura Ave.
Oak View, CA 93022
April 11, 2018 @ 3:00 P.M.

Right to be heard: Members of the public have a right to address the Board directly on any item of interest to the public which is within the subject matter jurisdiction of the Board. The request to be heard should be made immediately before the Board's consideration of the item. No action shall be taken on any item not appearing on the agenda unless the action is otherwise authorized by subdivision (b) of §54954.2 of the Government Code and except that members of a legislative body or its staff may briefly respond to statements made or questions posed by persons exercising their public testimony rights under section 54954.3 of the Government Code.

1. Roll Call
2. Public comments (Items not on the agenda – three minute limit).
3. General Manager comments.
4. Board of Director comments.
5. Board of Director Verbal Reports on Meetings Attended.
6. Consent Agenda – NONE.
7. Review of District Accounts Payable Report for the Period of 3/23/18 - 4/4/18.

RECOMMENDED ACTION: Motion approving report.

8. Resolution setting a public hearing for May 9, 2018 to hear input from the public on the proposed modification to rates and fees for the Casitas Water Adventure.

RECOMMENDED ACTION: Adopt Resolution.

9. Information Items:

- a. Water Resources Committee Minutes – March 27, 2018
- b. Recreation Committee Minutes.- April 5, 2018
- c. Lake Casitas Recreation Area Report for January 2018.
- d. Lake Casitas Recreation Area Report for February 2018.
- e. Lake Casitas Monthly Status Report for March 2018
- f. Matilija Dam – Report on Stakeholder Group Meeting on March 23, 2018 & Matilija Dam Removal & Ecosystem Restoration Project Funding Plan – April 2017
- g. Water Consumption Report
- h. CFD No. 2013-1 (Ojai) Monthly Cost Analysis.
- i. Investment Report.

10. Closed Session

a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

(Subdivision (a) of Section 54956.9)

Name of Case: George Lewis and Cheryl Lewis, Kerry Tormey; Alton Gebhart and Mary Louise Gebhart, Geoffrey Marcus, as Trustee of the Marcus Family Trust; Katherine Connor; Kevin Vanderwyck and Katy Vanderwyck; on behalf of themselves and all similarly situated v. Southern California Edison Company, a California corporation; City of Ventura; Casitas Municipal Water District; and DOES 1 through 50, inclusive.

Ventura County Superior Court Case No. 56-2017-00505314-CU-MT-VTA

b. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

(Subdivision (a) of Section 54956.9)

Name of Case: Santa Barbara Channelkeeper v. State Water Resources Control Board; City of Buena Ventura.

San Francisco Superior Court Case No. CPF-14-513875

11. Adjournment.

If you require special accommodations for attendance at or participation in this meeting, please notify our office 24 hours in advance at (805) 649-2251, ext. 113. (Govt. Code Section 54954.1 and 54954.2(a)).

CASITAS MUNICIPAL WATER DISTRICT
Payable Fund Check Authorization
Checks Dated 03/23/18-04/04/18
Presented to the Board of Directors For Approval April 11, 2018

Check	Payee		Description	Amount
000794	Payables Fund Account	# 9759651478	Accounts Payable Batch 032818	\$144,337.76
000795	Payables Fund Account	# 9759651478	Accounts Payable Batch 040418	\$574,775.75
				\$719,113.51
000796	Payroll Fund Account	# 9469730919	Estimated Payroll 04/26/18	\$175,000.00
			Total	\$894,113.51

Publication of check register is in compliance with Section 53065.6 of the Government Code which requires the District to disclose reimbursements to employees and/or directors.

The above numbered checks, 000794-000796 have been duly audited is hereby certified as correct.

Denise Collin *4/4/18*

 Denise Collin, Accounting Manager/Treasurer

 Signature

 Signature

 Signature

A/P Fund

Publication of check register is in compliance with Section 53065.6 of the Government Code which requires the District to disclose reimbursements to employees and/or directors.

000794 A/P Checks: 029642-029659
 A/P Draft to P.E.R.S. 000000
 A/P Draft to State of CA 000000
 A/P Draft to I.R.S. 000000
 Voids:

000795 A/P Checks: 029660-029756
 A/P Draft to P.E.R.S.
 A/P Draft to State of CA
 A/P Draft to I.R.S.
 Voids: 029714-029716

Denise Collin: 4/4/18
Denise Collin, Accounting Manager/Treasurer

Signature

Signature

Signature

CERTIFICATION

Payroll disbursements for the pay period ending 03/24/18
Pay Date of 03/29/18
have been duly audited and are
hereby certified as correct.

Signed: Denise Collin
Denise Collin

Signed: _____
Signature

Signed: _____
Signature

Signed: _____
Signature

VENDOR SET: 01 Casitas Municipal Water D
BANK: * ALL BANKS
DATE RANGE: 3/23/2018 THRU 4/04/2018

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
C-CHECK	VOID CHECK	V	4/04/2018			029714		
C-CHECK	VOID CHECK	V	4/04/2018			029715		
C-CHECK	VOID CHECK	V	4/04/2018			029716		

* * T O T A L S * *

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	0	0.00	0.00	0.00
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	0	0.00	0.00	0.00
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	3	VOID DEBITS 0.00		
		VOID CREDITS 0.00	0.00	0.00

TOTAL ERRORS: 0

VENDOR SET: 01 BANK:	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
		3	0.00	0.00	0.00
BANK:	TOTALS:	3	0.00	0.00	0.00

VENDOR SET: 01 Casitas Municipal Water D
BANK: AP ACCOUNTS PAYABLE
DATE RANGE: 3/23/2018 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00049	STATE OF CALIFORNIA							
I-T2 201803271338	State Withholding	D	3/28/2018	10,810.93		000000		10,810.93
00128	INTERNAL REVENUE SERVICE							
I-T1 201803271338	Federal Withholding	D	3/28/2018	27,536.73		000000		
I-T3 201803271338	FICA Withholding	D	3/28/2018	33,138.86		000000		
I-T3 201803271339	FICA Withholding	D	3/28/2018	22.28		000000		
I-T4 201803271338	Medicare Withholding	D	3/28/2018	7,750.22		000000		
I-T4 201803271339	Medicare Withholding	D	3/28/2018	5.20		000000		68,453.29
00187	CALPERS							
I-PBB201803271338	PERS BUY BACK	D	3/28/2018	216.95		000000		
I-PBP201803271338	PERS BUY BACK	D	3/28/2018	161.96		000000		
I-PEB201803271338	PEPRA EMPLOYEES PORTION	D	3/28/2018	4,684.21		000000		
I-PEM201803271338	PERS EMPLOYEE PORTION MGMT	D	3/28/2018	3,020.83		000000		
I-PER201803271338	PERS EMPLOYEE PORTION	D	3/28/2018	6,627.02		000000		
I-PRB201803271338	PEBRA EMPLOYER PORTION	D	3/28/2018	4,896.23		000000		
I-PRR201803271338	PERS EMPLOYER PORTION	D	3/28/2018	10,711.30		000000		30,318.50
02011	Herald Printing, Ltd.							
I-180199011	Newsletter Printing & Mailing	R	3/23/2018	8,478.20		029642		8,478.20
03044	Amazon Capital Services							
I-1767-KT4G-FQLL	Golf Cart Wipers - LCRA	R	3/28/2018	76.38		029643		76.38
01666	AT & T							
I-000011050189	Acct# 9391035542	R	3/28/2018	1,502.18		029644		1,502.18
01666	AT & T							
I-000011093143	Acct#9391035541	R	3/28/2018	495.36		029645		495.36
01035	ANGELA CHAPMAN-KOFRON							
I-Apr 17 - Jan 18	Reimburse Mileage 4/17-1/18	R	3/28/2018	235.84		029646		235.84
01588	CONSULTING WEST ENGINEERS							
I-CMWD-1801	Design & Prep Rincon PP	R	3/28/2018	7,680.00		029647		7,680.00
02908	Gantzer Water Resources Engine							
I-CMW 2.16.18	HOS Operation Support 17/18	R	3/28/2018	1,000.00		029648		
I-CMW 3.7.18	HOS Operational Support 17/18	R	3/28/2018	1,000.00		029648		2,000.00
03546	Dawn Golden							
I-032218	Irrigation Controller Rebate	R	3/28/2018	250.00		029649		250.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00437	HERC RENTALS INC							
I-29748982-001	Fuel for Generator - OM	R	3/28/2018	1,108.97		029650		1,108.97
00625	OfficeTeam							
I-50504064	Conservation Temp	R	3/28/2018	525.78		029651		
I-50522056	Admin Temp	R	3/28/2018	731.52		029651		1,257.30
00782	Parker Supply Company							
I-35383	Gagecocks - EM	R	3/28/2018	714.30		029652		714.30
02637	David Pope							
I-031918	Safety Boots	R	3/28/2018	170.00		029653		170.00
00215	SOUTHERN CALIFORNIA EDISON							
I-032218	Acct#2237011044	R	3/28/2018	26.73		029654		
I-032318a	Acct#2157697889	R	3/28/2018	802.32		029654		
I-032318b	Acct#2266156405	R	3/28/2018	189.46		029654		1,018.51
00216	Southern California Gas Co.							
I-032718a	Acct#18231433006	R	3/28/2018	87.21		029655		
I-032718b	Acct#00801443003	R	3/28/2018	368.20		029655		455.41
00124	ICMA RETIREMENT TRUST - 457							
I-CUI201803271338	457 CATCH UP	R	3/28/2018	230.77		029656		
I-DCI201803271338	DEFERRED COMP FLAT	R	3/28/2018	1,517.31		029656		
I-DI%201803271338	DEFERRED COMP PERCENT	R	3/28/2018	188.59		029656		1,936.67
01960	Moringa Community							
I-MOR201803271338	PAYROLL CONTRIBUTIONS	R	3/28/2018	16.75		029657		16.75
00985	NATIONWIDE RETIREMENT SOLUTION							
I-CUN201803271338	457 CATCH UP	R	3/28/2018	230.77		029658		
I-DCN201803271338	DEFERRED COMP FLAT	R	3/28/2018	5,840.39		029658		
I-DN%201803271338	DEFERRED COMP PERCENT	R	3/28/2018	454.26		029658		6,525.42
00180	S.E.I.U. - LOCAL 721							
I-COP201803271338	SEIU 721 COPE	R	3/28/2018	42.00		029659		
I-UND201803271338	UNION DUES	R	3/28/2018	791.75		029659		833.75
00270	Wells Fargo Bank							
C-030818F	Southwest Fee Refund - MGMT	R	3/29/2018	15.00CR		029660		
I-030818a	Books - EM	R	3/29/2018	50.90		029660		
I-030818b	Fridge Filter - DO	R	3/29/2018	35.67		029660		
I-030818c	ASSE Dues - SAF	R	3/29/2018	240.00		029660		
I-030818d	Airport Parking - MGMT	R	3/29/2018	76.30		029660		
I-030818e	Airport Shuttle - MGMT	R	3/29/2018	40.36		029660		
I-030818g	Conference Hotel - MGMT	R	3/29/2018	976.02		029660		
I-030818h	Conservation Ads	R	3/29/2018	100.00		029660		

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
I-030818i	Corrosion Seminar - DO	R	3/29/2018	425.00		029660		
I-030818j	Utility Training - UT	R	3/29/2018	200.00		029660		2,129.25
00004	ACWA JOINT POWERS INSURANCE AU							
I-0540310	Health Insurance 4/17	R	4/04/2018	147,511.24		029661		147,511.24
01325	Aflac Worldwide Headquarters							
I-668889	Supplemental Insurance 4/18	R	4/04/2018	5,382.30		029662		5,382.30
00010	AIRGAS USA LLC							
I-9951948719	Gas Cylinders - PL	R	4/04/2018	124.26		029663		124.26
03044	Amazon Capital Services							
C-13WJ-QDQN-KRTJb	Accrue Use Tax	R	4/04/2018	3.84CR		029664		
C-1767-KT4G-FQLLb	Accrue Use Tax	R	4/04/2018	5.54CR		029664		
C-1G3C-11WG-JFMPb	Accrue Use Tax	R	4/04/2018	25.66CR		029664		
D-13WJ-QDQN-KRTJa	Accrue Use Tax	R	4/04/2018	3.84		029664		
D-1767-KT4G-FQLLa	Accrue Use Tax	R	4/04/2018	5.54		029664		
D-1G3C-11WG-JFMPa	Accrue Use Tax	R	4/04/2018	25.66		029664		
I-13WJ-QDQN-KRTJ	Wireless Endoscope - IT	R	4/04/2018	52.99		029664		
I-1G3C-11WG-JFMP	Cart Wheels - Unit EZ 1	R	4/04/2018	353.95		029664		
I-1HYF-N1MT-1CG1	Iron Plates - LCRA	R	4/04/2018	30.02		029664		436.96
00029	AMERICAN TOWER CORP							
I-2661117	Tower Rent-Red Mtn.Rincon Peak	R	4/04/2018	1,927.53		029665		1,927.53
03552	Julia Aranda							
I-Mar 18	Reimburse Expenses 3/18	R	4/04/2018	225.00		029666		225.00
03429	AT&T							
I-6955631403	aCCT#8310006908483	R	4/04/2018	1,136.11		029667		1,136.11
01242	AUTOMATIONDIRECT.COM INC.							
C-8634131b	Accrue Use Tax	R	4/04/2018	34.62CR		029668		
D-8634131a	Accrue Use Tax	R	4/04/2018	34.62		029668		
I-8634131	Well Parts - EM	R	4/04/2018	477.50		029668		477.50
00021	AWA OF VENTURA COUNTY							
I-032818	CCWUC Luncheon 3/28/18	R	4/04/2018	385.00		029669		
I-06-10657	Symposium Sponership	R	4/04/2018	2,500.00		029669		
I-06-10679	Waterwises Breakfast 3/15/18	R	4/04/2018	125.00		029669		3,010.00
00030	B&R TOOL AND SUPPLY CO							
I-1900911195	Reel Hose - PL	R	4/04/2018	537.34		029670		
I-1900911263	Safety Gas Can & Grinder - PL	R	4/04/2018	285.25		029670		
I-1900911392	Crimper - EM	R	4/04/2018	247.83		029670		
I-1900911393	Gloves - EM	R	4/04/2018	57.15		029670		
I-1900911394	Cable Puller - LCRA	R	4/04/2018	139.57		029670		
I-1900911778	Cable Grip - LCRA	R	4/04/2018	139.57		029670		1,406.71

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
03547 I-629941	Scott Bailey Camping Cancellation(storm)-LC	R	4/04/2018	175.00		029671		175.00
03057 I-2247352180315M	Bay Alarm Alarm System Grand Ave	R	4/04/2018	240.00		029672		240.00
03059 I-BPI822255	Brenntag Pacific Inc. Chlorine for Ojai Sys. - TP	R	4/04/2018	454.28		029673		454.28
01611 I-54858	BURLINGTON SAFETY LABORATORY, Arc Flash Equip. - EM	R	4/04/2018	533.13		029674		533.13
00463 I-463054	Cal-Coast Machinery Mower Blade Kit - LCRA	R	4/04/2018	178.21		029675		178.21
02300 I-45487 I-45871 I-45872	California Door & Hardware Windows for DO Office Door for HR Office - ENG Windows for EM Office - MAINT	R R R	4/04/2018 4/04/2018 4/04/2018	660.36 436.39 1,234.73		029676 029676 029676		2,331.48
01068 I-022218	CAPIO Capiro Membership - CONS	R	4/04/2018	225.00		029677		225.00
00511 I-6/12208151-1 I-6/12208723-1 I-6/12210565-1	Centers for Family Health DOS 12/29/17 #1102WC180000001 DOS 12/13/17 #102WC180000001 DOS 12/19/17 #102WC180000001	R R R	4/04/2018 4/04/2018 4/04/2018	40.04 60.71 70.71		029678 029678 029678		171.46
00117 I-10723283-00	CERTEX USA, INC Black Rope - WP	R	4/04/2018	500.57		029679		500.57
03548 I-659807	Kenneth Clark Camping Cancellation - LCRA	R	4/04/2018	175.00		029680		175.00
01843 I-782152 I-782153	COASTAL COPY Copier Usage - LCRA Copier Usage - WHS	R R	4/04/2018 4/04/2018	432.45 38.69		029681 029681		471.14
00071 I-106262	COMMANDER PRINTED PRODUCTS Envelopes - CONS	R	4/04/2018	360.54		029682		360.54
00061 I-SB02089377	COMPUWAVE Power Adapter - IT	R	4/04/2018	46.12		029683		46.12

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 3/23/2018 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
02861	Confidential Data Destruction Shredding Service	R	4/04/2018	200.00		029684		200.00
00062	CONSOLIDATED ELECTRICAL							
I-33610	Toggle Bolt, Screw Kit - EM	R	4/04/2018	291.22		029685		
I-9009-768519	Pliers, Bit Kit - EM	R	4/04/2018	467.74		029685		
I-9009-768520	MCC Maintenance - EM	R	4/04/2018	4,057.50		029685		4,816.46
I-9009-769379								
01483	CORVEL CORPORATION							
I-6/12208151-1	Bill Review	R	4/04/2018	10.77		029686		
I-6/12208723-1	Bill Review	R	4/04/2018	13.60		029686		
I-6/12210565-1	Bill Review	R	4/04/2018	11.52		029686		35.89
01856	DATA FLOW							
I-28160	Trailer Storage Statements	R	4/04/2018	150.26		029687		150.26
00740	DELL MARKETING L.P.							
I-10229712756	Domain Control Server - IT	R	4/04/2018	5,548.41		029688		
I-10229712764	Terminal Server - IT	R	4/04/2018	5,548.41		029688		
I-10231913670	Incode File Server - IT	R	4/04/2018	14,102.96		029688		
I-10233536581	Incode Server - IT	R	4/04/2018	14,485.99		029688		39,685.77
10106	DeZURIK/Apco							
I-RPI/64004520	Actuator Sub Assembly - EM	R	4/04/2018	718.58		029689		
I-RPI/64005098	Actuator Sub Asembly - EM	R	4/04/2018	853.71		029689		1,572.29
00616	DICK CORE MARINE							
I-005184	Pac Angler Repair - Unit 136	R	4/04/2018	5,100.94		029690		5,100.94
00086	E.J. Harrison & Sons Inc							
I-1691	Acct#500546088	R	4/04/2018	459.22		029691		459.22
00086	E.J. Harrison & Sons Inc							
I-2187	Acct#1C00053370	R	4/04/2018	159.28		029692		159.28
00095	FAMCON PIPE & SUPPLY							
I-203212	Fittings&hydrant Extension- PL	R	4/04/2018	3,199.27		029693		
I-203744	60 Foot Pipe - PL	R	4/04/2018	241.31		029693		3,440.58
00099	FGL ENVIRONMENTAL							
I-802245A	Nitrate Monitoring 2/20/18	R	4/04/2018	43.00		029694		
I-802308A	Lake Nutrient Monitoring 2/21	R	4/04/2018	1,288.00		029694		
I-802966A	Nitrate Monitoring 3/6/18	R	4/04/2018	61.00		029694		
I-803352A	Manganese Monitoring 3/9/18	R	4/04/2018	45.00		029694		1,437.00

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
02710	Ford of Ventura Inc							
I-6048151/2	Diff Carrier Assembly -Unit 16	R	4/04/2018	3,027.96		029695		3,027.96
00104	FRED'S TIRE MAN							
I-106895	Tires - Unit 23	R	4/04/2018	296.29		029696		
I-107256	Mount Tire - LCRA	R	4/04/2018	45.34		029696		341.63
00106	FRONTIER PAINT							
I-F0234040	Paint Base - PL	R	4/04/2018	164.15		029697		164.15
01280	FRY'S ELECTRONICS, INC.							
I-7067777a	HDMI Cable - IT	R	4/04/2018	52.25		029698		
I-7067777b	Monitor Arm - ENG	R	4/04/2018	134.21		029698		
I-7080963	UPS, Headlamp, Pliers - IT/PL	R	4/04/2018	102.30		029698		288.76
02835	Global Equipment Co., Inc.							
I-112363708	Metal Locker - MAINT	R	4/04/2018	1,452.36		029699		1,452.36
02158	Google, Inc.							
I-3442103022	Google Apps 3/18	R	4/04/2018	947.73		029700		947.73
00115	GRAINGER, INC							
I-9736121485	Push Button - LCRA	R	4/04/2018	73.79		029701		
I-9737105305	Batteries - DO	R	4/04/2018	71.84		029701		
I-9744395113	Safety Glasses - EM	R	4/04/2018	6.51		029701		152.14
02217	Greg Rents							
I-49311	Cement Slurry - PL	R	4/04/2018	109.92		029702		
I-49709	Propane - PL	R	4/04/2018	66.22		029702		
I-49822	Cement Slurry - PL	R	4/04/2018	62.74		029702		
I-49934	Cement Slurry - PL	R	4/04/2018	102.95		029702		
I-49956	Cement Slurry - PL	R	4/04/2018	102.95		029702		
I-50017	Cement Slurry - PL	R	4/04/2018	102.95		029702		547.73
03549	Mark Grupton							
I-623056	Camping Cancellation - LCRA	R	4/04/2018	213.00		029703		213.00
00121	HACH COMPANY							
I-10882598	Reagents - LAB	R	4/04/2018	261.75		029704		261.75
01052	HARBOR FREIGHT TOOLS USA, INC							
I-03420406	Bit Set, Parts Tray - TP	R	4/04/2018	50.36		029705		50.36

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 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 3/23/2018 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00369	I-013A2636							
	HARRINGTON INDUSTRIAL PLASTICS Chemical Tubing - WP	R	4/04/2018	168.16		029706		168.16
00596								
	HOME DEPOT							
	I-34615 Tension Bar - LCRA	R	4/04/2018	13.96		029707		
	I-34619 Chain Link Fence - LCRA	R	4/04/2018	88.87		029707		
	I-7715093 Window Blinds - LCRA	R	4/04/2018	262.51		029707		365.34
00894								
	HOSE-MAN, INC.							
	I-5247365-0001-05 Valve Trailer Parts - UT	R	4/04/2018	290.01		029708		
	I-5247904-0001-05 Fittings - UT	R	4/04/2018	47.00		029708		337.01
01177								
	ICON SAFETY COMPANY INC.							
	I-316010877 Confined Space Gas Test - EM	R	4/04/2018	264.86		029709		264.86
02565								
	Industrial Networking Solution							
	I-INV-1554097 Cradlepoint Routers - EM	R	4/04/2018	809.06		029710		809.06
00328								
	LIGHTNING RIDGE							
	I-3191806 Jackets & Shirts - EM	R	4/04/2018	344.13		029711		344.13
02838								
	Mainstreet Architects & Planne							
	I-1610 Building Record Drawings - ENG	R	4/04/2018	2,372.88		029712		2,372.88
00151								
	MEINERS OAKS ACE HARDWARE							
	C-K16424a Cable Ties - FISH	R	4/04/2018	15.59CR		029713		
	I-816262 Paint - LCRA	R	4/04/2018	90.22		029713		
	I-816476 U Posts for Fence - FISH	R	4/04/2018	29.44		029713		
	I-816500 Folding Saw, Rake, Elbow -FISH	R	4/04/2018	34.88		029713		
	I-816838 Paint & Rollers - LCRA	R	4/04/2018	102.01		029713		
	I-816961 Hammer, Paint, Fittings - LCRA	R	4/04/2018	81.54		029713		
	I-817060 Drill Bit, Bolts, Markers-FISH	R	4/04/2018	70.02		029713		
	I-817205 Clamps, Bolts, Screws - FISH	R	4/04/2018	1.73		029713		
	I-817256 Coveralls - LCRA	R	4/04/2018	77.20		029713		
	I-817368 Batteries - TP	R	4/04/2018	80.78		029713		
	I-817382 Primer, Cement, Tape - FISH	R	4/04/2018	17.06		029713		
	I-817483 Mouse Traps, Texture Spray -PL	R	4/04/2018	42.30		029713		
	I-817707 Weed Killer - LCRA	R	4/04/2018	17.55		029713		
	I-817712 Carabiner Clip - PL	R	4/04/2018	4.39		029713		
	I-818149 Paint, Anchor - PL	R	4/04/2018	53.49		029713		
	I-818236 Roller Cover & Paint - LCRA	R	4/04/2018	104.83		029713		
	I-818339 Cement Anchors - TP	R	4/04/2018	11.79		029713		
	I-818373 Cloths, Towels, Rebar - FISH	R	4/04/2018	24.58		029713		
	I-818437 Tarp - UT	R	4/04/2018	14.62		029713		
	I-818523 Swiffer, Lysol, Bags - LCRA	R	4/04/2018	67.19		029713		
	I-818547 Cut Key - TP	R	4/04/2018	2.87		029713		
	I-818568 Silicone - LCRA	R	4/04/2018	7.80		029713		
	I-818606 PPE, Saw - UT	R	4/04/2018	30.24		029713		

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 3/23/2018 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
I-818653	Vent Pipe - MAINT	R	4/04/2018	12.22		029713		
I-818768	Ball Valves - LCRA	R	4/04/2018	28.28		029713		
I-818787	Screw Driver, Thermostat -MAINT	R	4/04/2018	35.95		029713		
I-819138	Concrete Mix - UT	R	4/04/2018	6.84		029713		
I-819149	Weed Killer - LCRA	R	4/04/2018	14.64		029713		
I-819154	Brass Fittings - UT	R	4/04/2018	65.43		029713		
I-819167	Brass Tee's - UT	R	4/04/2018	1.95		029713		
I-819208	Brass Fittings - UT	R	4/04/2018	9.26		029713		
I-819228	PVC Caps - TP	R	4/04/2018	3.41		029713		
I-819696	Batteries - EM	R	4/04/2018	38.59		029713		
I-819749	Lysol, Tape, Sanitizer - LCRA	R	4/04/2018	50.97		029713		
I-819753	Hinge - LCRA	R	4/04/2018	16.58		029713		
I-819764	Hasps & Fittings - LCRA	R	4/04/2018	19.99		029713		
I-819844	Masks - LCRA	R	4/04/2018	23.41		029713		
I-819853	Sawzall Blade - MAINT	R	4/04/2018	23.27		029713		
I-819854	Knee Pads, Key - MAINT	R	4/04/2018	53.08		029713		
I-819865	Wrench Set - UT	R	4/04/2018	22.44		029713		
I-819903	Respirator, PPE, Key - MAINT	R	4/04/2018	44.67		029713		
I-820163	Cooler & Lube - MAINT	R	4/04/2018	45.81		029713		
I-820230	Tape - UT	R	4/04/2018	23.12		029713		
I-820239	Tubular Hangers - MAINT	R	4/04/2018	5.45		029713		
I-K16424	Cable Ties - FISH	R	4/04/2018	15.59		029713		1,511.89
03444	Mission Linen Supply							
I-506993232	Uniform Pants - TP	R	4/04/2018	28.05		029717		
I-507050889	Uniform Pants - TP	R	4/04/2018	43.40		029717		
I-507097298	Uniform Pants - TP	R	4/04/2018	35.40		029717		106.85
02185	Oasis Technology Inc.							
I-030918-1	Cradle Point Configurartion -EM	R	4/04/2018	2,000.00		029718		2,000.00
00163	OFFICE DEPOT							
I-114208242001	Office Supplies - LCRA	R	4/04/2018	242.23		029719		
I-116834636001	Paper - DO	R	4/04/2018	300.19		029719		
I-118462228001	Clipboard - MAINT	R	4/04/2018	39.03		029719		581.45
00625	OfficeTeam							
I-50558021	Admin Temp	R	4/04/2018	320.04		029720		320.04
00160	OILFIELD ELECTRIC CO, INC							
I-10712	District Office Lighting	R	4/04/2018	98,705.00		029721		98,705.00
01570	Ojai Auto Supply							
I-428368	Tire Strips - GAR	R	4/04/2018	23.17		029722		
I-430327	Motor Oil - EM	R	4/04/2018	11.18		029722		34.35

VENDOR SET: 01 Casitas Municipal Water D
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VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00165	OJAI LUMBER CO, INC							
I-1803-868638	Fence Post - LCRA	R	4/04/2018	16.40		029723		
I-1804-869423	Concrete & Treated Pole - WP	R	4/04/2018	73.72		029723		90.12
00602	OJAI TRUE VALUE							
I-51754	Gloves, Ziplocks - LAB	R	4/04/2018	13.16		029724		13.16
00168	OJAI VALLEY NEWS							
I-300020911	Spring Visitors Guide - CONS	R	4/04/2018	350.00		029725		350.00
02917	Ojai Valley Organics							
I-32676	Small Wood Pickup - MAINT	R	4/04/2018	20.00		029726		
I-32691	Green Waste Pickup - MAINT	R	4/04/2018	23.00		029726		43.00
01627	OSCAR'S TREE SERVICE							
I-13820	Tree Removal - LCRA	R	4/04/2018	950.00		029727		
I-13821	Tree Removal - LCRA	R	4/04/2018	950.00		029727		
I-13849	Brush & Weed Clearance - LCRA	R	4/04/2018	1,500.00		029727		
I-13850	Trim Oak Tree - MAINT	R	4/04/2018	750.00		029727		4,150.00
02906	Craig R. Oswald							
I-1274	HR Door Install	R	4/04/2018	450.00		029728		
I-1275	Windows for EM Office	R	4/04/2018	950.00		029728		1,400.00
02495	Pacific Marine Repair Inc.							
I-736656	Full Service - Units 135 & 219	R	4/04/2018	1,458.55		029729		1,458.55
03550	Julie Pech							
I-655260	Camping Cancellation - LCRA	R	4/04/2018	71.00		029730		71.00
00188	PETTY CASH							
I-040218	Replenish Safe - LCRA	R	4/04/2018	60.00		029731		60.00
00188	PETTY CASH							
I-040418	Replenish Petty Cash - DO	R	4/04/2018	391.17		029732		391.17
02849	Phenova							
I-240902	PT Samples - LAB	R	4/04/2018	798.37		029733		798.37
00627	PORT SUPPLY							
I-580	LED Bulbs - LCRA	R	4/04/2018	52.32		029734		52.32
00184	POWERSTRIDE BATTERY CO, INC							
I-V597210	Battery - MAINT	R	4/04/2018	68.76		029735		68.76

VENDOR SET: 01 Casitas Municipal Water D
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VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
00313 I-22877	ROCK LONG'S AUTOMOTIVE Tank & Pump Repair - Unit 51	R	4/04/2018	1,020.38		029736		1,020.38
03551 I-654182	Jaime Sanchez Camping Reduction - LCRA	R	4/04/2018	60.00		029737		60.00
02756 I-1107179-IN I-1111966-IN	SC Fuels Diesel - DO Gasoline - DO	R R	4/04/2018 4/04/2018	972.02 3,853.60		029738 029738		4,825.62
00725 I-048048	SMART & FINAL Coffee, Sugar, Cups - MGMT	R	4/04/2018	90.46		029739		90.46
02961 I-652863	Roni Snow Camping Cancellation(storm)-LC	R	4/04/2018	38.00		029740		38.00
00215 I-032918 I-033018 I-040318	SOUTHERN CALIFORNIA EDISON Acct#2210507034 Acct#2210503702 Acct#2269631768	R R R	4/04/2018 4/04/2018 4/04/2018	15,413.00 5,874.06 23.51		029741 029741 029741		21,310.57
02202 I-015448 I-024326	Stanley Pest Control Monthly Pest Control - WP Monthly Pest Control - WP	R R	4/04/2018 4/04/2018	170.00 170.00		029742 029742		340.00
00048 I-040118	STATE OF CALIFORNIA State Water Plan Payment	R	4/04/2018	183,083.00		029743		183,083.00
00057 I-432824787	SUPPLYWORKS Air Freshner - ADM	R	4/04/2018	21.58		029744		21.58
00364 I-132661	TRI-COUNTY OFFICE FURNITURE Bookcase - ADM	R	4/04/2018	361.14		029745		361.14
01662 I-025-217491	TYLER TECHNOLOGIES, INC. Monthly UB Online Fees	R	4/04/2018	153.00		029746		153.00
00254 I-43928	VENTURA LOCKSMITHS Replace Lock - LCRA	R	4/04/2018	1,351.50		029747		1,351.50
00258 I-205977	VENTURA STEEL, INC Flow Flat Steel - PL	R	4/04/2018	51.48		029748		51.48

VENDOR SET: 01 Casitas Municipal Water D
 BANK: AP ACCOUNTS PAYABLE
 DATE RANGE: 3/23/2018 THRU 99/99/9999

VENDOR I.D.	NAME	STATUS	CHECK DATE	INVOICE AMOUNT	DISCOUNT	CHECK NO	CHECK STATUS	CHECK AMOUNT
09955	VENTURA WHOLESALE ELECTRIC							
I-234845	LED Light - LCRA	R	4/04/2018	45.26		029749		
I-234928	Breaker - EM	R	4/04/2018	25.86		029749		
I-239903	LED Lights - LCRA	R	4/04/2018	122.03		029749		193.15
00536	Water Resource Engr Associates							
I-3052-10	Phase 3:Project Coordination	R	4/04/2018	8,326.90		029750		8,326.90
00663	WAXIE SANITARY SUPPLY							
I-77327914	Janitorial Supplies - LCRA	R	4/04/2018	2,221.81		029751		2,221.81
01031	WILDLIFE SUPPLY CO.							
I-INV-0013350	Fish Net - FISH	R	4/04/2018	98.06		029752		98.06
1	OJAI VALLEY INN							
I-000201802151324	UB REFUND	R	4/04/2018	26.70		029753		26.70
1	MACKELBURG, DENNIS R							
I-000201803301340	TS REFUND	R	4/04/2018	168.00		029754		168.00
1	LESTER, LOIS A							
I-000201803301341	UB REFUND	R	4/04/2018	13.04		029755		13.04
1	FELLOWS, WILLIAM							
I-000201803301342	UB REFUND	R	4/04/2018	19.84		029756		19.84

* * T O T A L S * *

	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
REGULAR CHECKS:	112	609,530.79	0.00	609,530.79
HAND CHECKS:	0	0.00	0.00	0.00
DRAFTS:	3	109,582.72	0.00	109,582.72
EFT:	0	0.00	0.00	0.00
NON CHECKS:	0	0.00	0.00	0.00
VOID CHECKS:	0	VOID DEBITS	0.00	
		VOID CREDITS	0.00	
			0.00	

TOTAL ERRORS: 0

VENDOR SET: 01	BANK: AP	TOTALS:	NO	INVOICE AMOUNT	DISCOUNTS	CHECK AMOUNT
			115	719,113.51	0.00	719,113.51
BANK: AP	TOTALS:		115	719,113.51	0.00	719,113.51
REPORT TOTALS:			115	719,113.51	0.00	719,113.51

**Casitas Municipal Water District
 Reimbursement Disclosure Report (1)
 Fiscal Year 2017/18
 July 1, 2017-June 30, 2018**

<u>Date paid</u>	<u>Board of Director/Employee</u>	<u>Description</u>	<u>Amount Paid</u>
7/5/2017	Scott MacDonald	Safety Boot Purchase	145.46
7/5/2017	Michael Moler	Reimburse Mileage	136.43
7/12/2017	Gerardo Herrera	Safety Boot Purchase	170.00
7/12/2017	Scott Lewis	Lodging 6/24/17-6/27/17	320.94
7/12/2017	Scott Lewis	Mileage Reimbursement	292.11
7/19/2017	Vincent Godinez	Safety Boot Purchase	156.23
7/27/2017	Greg Romey	Airfare for ASSE Safety Management Training	302.95
7/27/2017	Robert Vasquez	Meal Reimbursement for O&M Staff-Mutual Well Leak	143.07
8/2/2017	Bill Hicks	Mileage Reimbursement	144.45
8/2/2017	Cameron Tindle	Safety Boot Purchase	117.45
8/9/2017	Lindsay Cao	CWEA Membership Renewal	180.00
8/30/2017	Henry Islas	Safety Boot Purchase	170.00
8/30/2017	Luke Soholt	Reimburse County Possessory Taxes	383.71
9/6/2017	Willis Hand	Safety Boot Purchase	160.88
9/13/2017	Mitch Tull	WIT III Convergence Advance	745.43
9/20/2017	Tim Lawson	Safety Boot Purchase	160.53
9/27/2017	Neil Cole	Furniture Storage	220.00
9/27/2017	Brian Taylor	Safety Boot Purchase	170.00
10/4/2017	Kevin Champlin	Sensus Conference Advance	1,056.40
10/18/2017	Scott Lewis	Airfare to CMWD 9/5-9/11	484.10
10/18/2017	Scott Lewis	Airfare to CMWD 10/15-10/18	349.10
10/18/2017	Scott Lewis	Lodging 9/5-9/10	419.64
10/18/2017	Greg Romey	Mileage Reimbursement	119.31
10/23/2017	Jessica Collins	Mileage Reimbursement	150.33
11/1/2017	Robert Vasquez	Safety Boot Purchase	170.00
11/1/2017	James Word	Mileage Reimbursement	104.86
11/1/2017	Steve Wickstrum	Mileage Reimbursement	103.26
11/1/2017	Steve Wickstrum	Mileage Reimbursement	273.22
11/8/2017	Vincent Godinez	D3-D4 Class Mileage	145.52
11/8/2017	Vincent Godinez	D3-D4 Class Hotel	284.30
11/8/2017	Eric Grabowski	PAPA Seminar Airfare	459.60
11/8/2017	Eric Grabowski	PAPA Seminar Lodging	277.20
11/8/2017	Luke Soholt	D4 Certification Renewal	155.00
11/8/2017	Luke Soholt	T4 Certification Renewal	105.00
11/20/2017	Joe Martinez III	ALICE Seminar Mileage	190.25
11/20/2017	Joe Martinez III	ALICE Seminar Registration	595.00
11/29/2017	Scott Lewis	Lodging 10/15-10/17	283.98
11/29/2017	Scott Lewis	Lodging 11/1-11/3	270.45
11/29/2017	Scott Lewis	Airfare to CMWD 10/30-11/4	440.10
12/8/2017	Rebekah Vieira	Mileage Reimbursement	112.89
12/8/2017	Steve Wickstrum	Mileage Reimbursement	132.68
12/13/2017	Nicole Parson	Tuition Reimbursement	1,500.00
12/20/2017	Lisa Kolar	Pesticide Regulation Fee	195.00
12/20/2017	Luke Soholt	Water Distribution Operators Course	118.55
12/27/2017	Gerardo Herrera	General Ed Course Reimbursement	266.73
12/27/2017	Levi Maxwell	Safety Boot Purchase	156.24
12/27/2017	Bryan Sandoval	Mileage Reimbursement	101.65
12/27/2017	Brian Taylor	Uniform Jackets for Pipeline Staff	632.49
12/27/2017	Rebekah Vieira	Food for Staff	210.79
1/3/2018	Scott Lewis	Tuition Reimbursement	1,903.91
1/10/2018	Steve Wickstrum	Mileage Reimbursement	232.72
1/10/2018	Scott Lewis	Airfare to CMWD 1/3-1/10	287.60
1/10/2018	Scott Lewis	Lodging 1/3-1/10	738.99
1/24/2018	Eric Grabowski	Safety Boot Purchase	107.70
1/24/2018	Willis Hand	D4 Certification Renewal	105.00

**Casitas Municipal Water District
 Reimbursement Disclosure Report (1)
 Fiscal Year 2017/18
 July 1, 2017-June 30, 2018**

1/24/2018	Willis Hand	Small Water System Courses	222.11
1/24/2018	Michael Shields	D4 Certification Renewal	105.00
1/24/2018	Caron Smith	Water Treatment Grade 2 Certification	125.00
2/7/2018	Steve Wickstrum	Reimburse Mileage	345.53
2/14/2018	Russ Baggerly	Reimburse Mileage	204.37
2/14/2018	Scott Lewis	Airfare Extension	334.21
2/14/2018	Scott Lewis	Car Rental 1/3-1/11	482.70
2/21/2018	Peter Kaiser	Reimburse Mileage	135.71
2/28/2018	Mario Mariscal	Water Distribution Operators Course	118.55
2/28/2018	Brian Taylor	Water Distributon 5 Certification Exam	260.00
3/7/2018	Bill Hicks	Reimburse Mileage	187.48
3/7/2018	Vincent Godinez	Safety Boot Purchase	170.00
3/28/2018	Angela Chapman-Kofron	Reimburse Mileage	235.84
3/28/2018	David Pope	Safety Boot Purchase	170.00
4/4/2018	Julia Aranda	Standard Specs & Plans	225.00

1) Reimbursement Disclosure Report prepared pursuant to California Government Code 53065.5

**CASITAS MUNICIPAL WATER DISTRICT
Interdepartmental Memo**

Date: March 30, 2018

To: Steve Wickstrum, General Manager

From: Carol Belser, Park Services Manager

Subject: **Casitas Water Adventure Single Splash Pass Fee for Weekends & Holidays**

RECOMMENDATION

It is recommended that the Board of Directors review the Single Splash Weekend & Holiday Pass fee as outlined below and schedule a public hearing for the proposed Recreation Area Public Use fee structure.

BACKGROUND AND OVERVIEW

The Board scheduled and held a Public Hearing for Casitas Water Adventure fees and charges at the March 14, 2018 meeting. The Board approved the fee schedule shown on Exhibit A attached to Resolution 18-06 which inadvertently listed the Single Splash Weekend & Holiday Pass at \$14.00 instead of the recommended fee of \$15.00. This request for a public hearing is administrative in nature to ensure proper notice is given to charge \$15.00 for Single Splash Passes on Weekends and Holidays.

ANALYSIS

The Recreation Committee heard and commented on a request to increase CWA fees at their February 5 meeting and for the fee correction, the subject of this memorandum, on April 5 . The Board reviewed the recommended fees in the staff reports on February 14, 2018 and at the Public Hearing March 14, 2018. The new public hearing is to ensure proper notice is given to correct the charge for the Single Splash Weekend & Holidays Pass from \$14 to \$15.

CASITAS MUNICIPAL WATER DISTRICT

RESOLUTION SETTING THE TIME AND PLACE FOR A PUBLIC
HEARING TO CONSIDER PROPOSED FEES AND CHARGES FOR
CASITAS WATER ADVENTURE

WHEREAS, it is recommended that the Board of Directors schedule the date of May 9, 2018, during the regular meeting of the Board of Directors, to hold a public hearing to consider approval of the Proposed Fees for Casitas Water Adventure.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Casitas Municipal Water District as follows:

1. A public hearing will be conducted for the purpose of considering the proposed fees for Casitas Water Adventure.
2. The place of said hearing is hereby fixed at the Casitas Municipal Water District Board Room located at 1055 Ventura Ave., Oak View, CA. The date and time for said hearing is hereby fixed as May 9, 2018, at 3:00 p.m.

ADOPTED this 11th day of April, 2018.

James W. Word, President
Casitas Municipal Water District

ATTEST:

Mary Bergen, Secretary
Casitas Municipal Water District

CASITAS MUNICIPAL WATER DISTRICT

MINUTES

Water Resources Committee

DATE: April 6, 2018
TO: Board of Directors
FROM: General Manager, Steve Wickstrum
Re: Water Resources Committee Meeting of March 27, 2018

RECOMMENDATION:

It is recommended that the Board of Directors receive and file this report.

BACKGROUND AND OVERVIEW:

1. **Roll Call.**

Director Mary Bergen
Director Russ Baggerly
General Manager, Steve Wickstrum
Assistant General Manager, Michael Flood
Resources Manager, Ron Merckling

Public: Larry Yee
Richard Hajas
Ted Moore
Angelo Spandrio

2. **Public Comments.**

Mr. Moore informed the Committee that he has been in several discussions with staff regarding interests in a public/private partnership to explore primary aquifers for additional water supply. Mr. Moore's business plan is to drill wells on private, intercept water that is otherwise draining to the ocean through deep fault zones, and sell excess water that may become available. Mr. Moore will continue to work on possible water solutions with staff.

3. **Board Comments.** None

4. **Manager Comments.** None.

5. **Review of proposed amendments to the State Water Code.**

Mr. Merckling provided an overview of the state's proposed changes to the Water Code concerning water conservation measures, water budget assignments and reporting of water budget compliance. The proposed language will likely cause more reporting by water agencies and compliance actions by the State.

Director Baggerly asked if this would cause significant change to the current actions being followed by Casitas in the implementation of the Water Efficiency and Allocation Program. The impact is yet to be fully understood, this may cause some change to individual allocation assignments.

6. **Water Security Project Update.**

The General Manager reported that the FS 299 permit for the HOB0 Project has not

progressed and that there will be a meeting to seek assistance from local federal representatives. The District may consider other options to access the Matilija Formation.

7. **Discussion regarding actions in accordance with the Casitas Water Efficiency and Allocation Plan.**

The Committee reviewed the considerations made during the previous Committee meeting, with no change in direction. The general Manager will develop the status report in April 2018 to be presented to the Board for consideration of actions. The general Manager presented an approximate estimate of October 2018 at which time Lake Casitas is likely to decrease in storage to the initiation of a Stage 4 condition. Consideration will also be given to the Ojai Basin storage.

8. **Review of the March 2018 Storm results.**

The General Manager reported on the rainfall and runoff conditions at the Robles Diversion and Fish Passage Facility and Lake Casitas. In both cases, the watersheds released large amounts of fine sediment and ash.

At Robles, diversions did attain approximately 350 cfs on March 21st and followed the receding limb of flow in the Ventura River without difficulties in the fish screens. The peak of the storm at approximately 10:00 Am on March 22nd resulted in a surge of water in excess of 3,000 cfs that brought in high levels of ash and sediment, turbidities were in excess of 13,000 NTU, and the fish screens were instantly plugged with the debris. Diversions were restarted at approximately 3:00 PM on March 22nd and continued during the duration of the receding limb of flow in accordance with the Biological Opinion operational criteria. The bulk of the inflow into Lake Casitas came from Coyote and Santa Ana watersheds.

The Committee was informed of many phone calls and emails received by staff regarding the absence of canal flows, some had suggested the removal of fish screens to allow diversions. It was noted that the unauthorized removal of screens would be a violation of the Biological Opinion and could lead to a takings of federally protected species – not an action that the current Casitas staff would follow and deal with at a later date, as proposed by one email received from a member of the public.

It was noted that the turbidity curtains that were deployed in the Santa Ana arm of Lake Casitas had worked extremely well in preventing migration of high turbidity water to other areas of Lake Casitas.

CASITAS MUNICIPAL WATER DISTRICT

MINUTES
Recreation Committee

DATE: April 5, 2018
TO: Board of Directors
FROM: General Manager, Steven E. Wickstrum
Re: Committee Meeting of April 5, 2018

RECOMMENDATION:

It is recommended that the Board of Directors receive and file this report.

BACKGROUND AND OVERVIEW:

1. **Roll Call.**

Director Bill Hicks
Director Pete Kaiser
Steve Wickstrum, General Manager
Carol Belser, Park Services Manager
Joe Evans, Division Officer

Public: Justin Homsley, Ojai Roar Art and Music Festival
Angela May, Ojai West Rotary, Ojai Wine Festival

2. **Public Comments.**

None.

3. **Board/Management Comments.**

Director Kaiser asked if a letter from Casitas has been submitted concerning the Notice of Preparation for the State Water Intertie Project. No comments were provided by Casitas. Director Kaiser asked that additional information be provided to the Board regarding the operations of the Robles Diversion and Fish passage facility. The facility operation had been presented to the Board on March 28th, during which Director Kaiser was absent.

4. **Discussion regarding a request for a Thomas Fire relief event entitled Ojai Roar Art and Music Festival**

Mr. Justin Homsley presented his desire to have a charity event at Lake Casitas on May 5th and 6th, 2018. The goal of the event is to raise funds for those in Ojai that are impacted by the Thomas Fire. The event would be served by the Lion's Club, serving beer and food, and there would be vendors, art exhibitors, and live music for the event. Casitas received the application on March 26, 2018. The event would draw approximately 4,000 people.

Carol Belser stated that staff would work with Mr. Homsley on the request, but there are many unanswered issues that must be addressed and not enough time to meet the date requested.

Director Kaiser recommended that staff communicate with district counsel on insurance requirements for such an event, in light of the requirements for the Ojai Wine Festival.

5. **Easter 2018 Update.**

Carol Belser reported that Easter 2018 was a very good attendance, although down in numbers from 2017, and the incidents were very few. There were additional law enforcement at the

Recreation Area to assure order and security.

6. **January and February 2018 Recreation Area Reports.**

Carol Belser presented the Reports. Discussion regarding staff performance in seeking assistance for a live deer that had an arrow in its head (OVN Article, 2/16/2018). Current visitations are approximately down 9% from last year.

7. **Discussion regarding a correction to clarify a typo on Attachment A of recently adopted fees for Casitas Water Adventure.**

Carol Belser advised the committee that a typo had occurred that is need of change and that the transparent manner in which to do so is through a public hearing. The error occurred on Attachment A, posting a \$14 fee for water park entrance where there should have been a \$15 fee. The scheduling of the public hearing will be moved to the Board.

8. **Update on contract issues with Rotary Club of Ojai West for the Wine Festival Agreement.**

Since the good-faith signing of the Agreement by the Casitas Board of Directors, there have been several questions and concerns generated by the Club that are being addressed with respective legal counsel. Angela May stated that she had additional issues presented to her by the insurance provider just before the Committee meeting. Carol Belser and Angela May will be in close communication to summarize issues in the Agreement. The Committee may convene a special meeting in April 2018, if requested, to hear resolution of the issues.

9. **Review of Incidents and Comments.**

Joe Evans updated the Committee on the customer interactions.

CASITAS MUNICIPAL WATER DISTRICT
LAKE CASITAS RECREATION AREA

DATE: February 16, 2018
 TO: Recreation Committee
 FROM: Carol Belser, Park Services Manager
 SUBJECT: Recreation Area Monthly Report for January 2018

Visitation Numbers

The following is a comparison of visitations* for January 2018:

	January 2018	January 2017	Dec. 2017
Visitor Days	22,868	26,848	13,148
Camps	2,391	2,662	1,363
Cars	5,595	6,712	3,287
Boats	121	153	74
Kayaks & Canoes	2	6	49

Fiscal Year to Date Visitation	
2016/2017	407,550
2017/2018	367,432
% Change	-9.844

*The formulas for calculating the above attendance figures derived from the daily cash reports are as follows:

Visitor Days = Daily vehicles + 30 minute passes X 3 + café passes + attendance at special events + annual vehicle decals + replacement decals + campsites occupied + extra vehicles X 4

Camps = Campsites occupied + extra vehicles

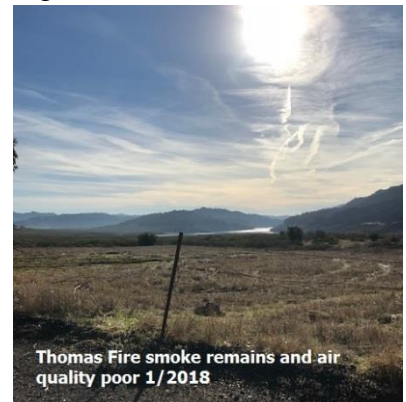
Cars = Daily vehicles + 30 minute passes X 3 + café passes + attendance at special events + annual vehicle decals + replacement decals + campsites occupied + extra vehicles

Boats = Daily boats + overnight boats + annual decals + replacement decals

Kayaks & Canoes = Daily kayaks and canoes + overnight kayaks and canoes + annual kayaks and canoes

Operations and Boating

Due to the still active Thomas Fire through part of January, air quality was poor in the Recreation Area resulting in cancellations of visitations and camping reservations. The drastic and devastating mud slides in Santa Barbara County on January 9, added customer travel concerns and cancellations. To date the Recreation Area suffered over \$30,000 in lost revenue tracked by tangible cancellations and in comparison to vehicle entry figures from past years.



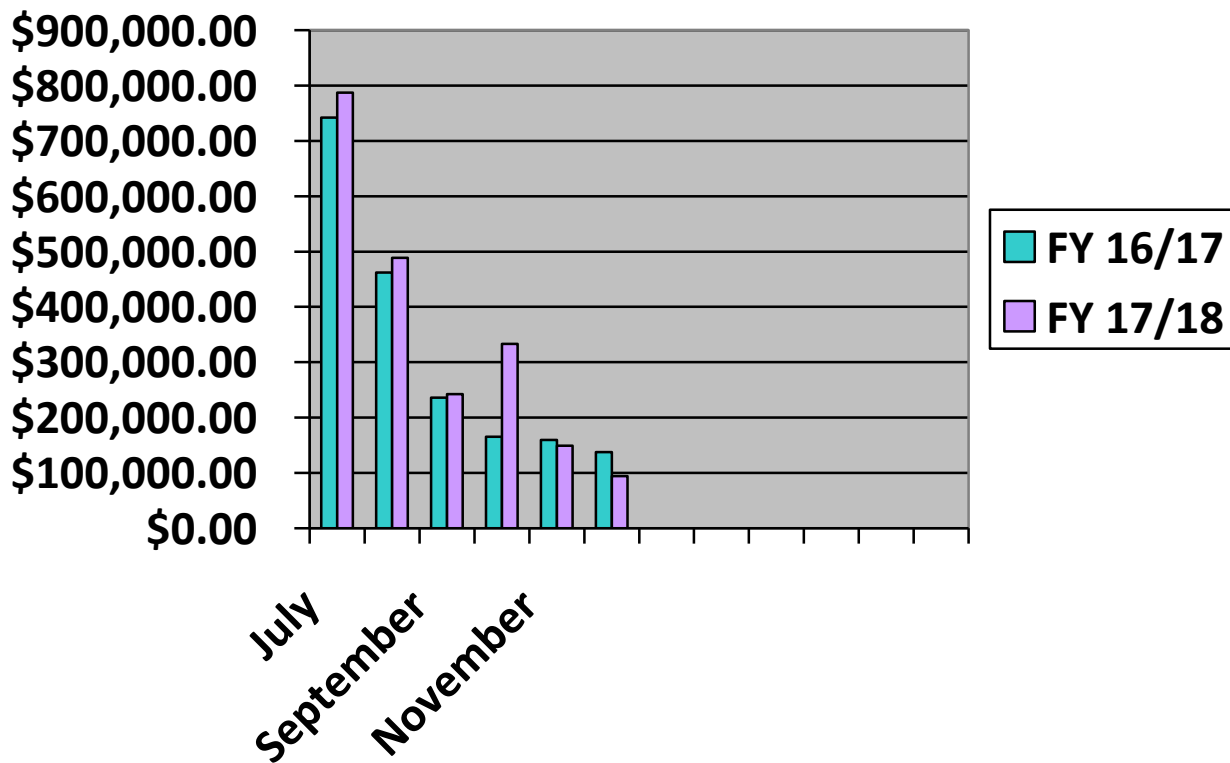
There were seven cables sold for new inspections, seven vessels were re-inspected and a total of 405 vessels were retagged in January. Six vessels failed the first inspection in January 2018. Santa Ana Launch Ramp ceased operation after the water level decreased and Old Coyote was reactivated in July 2017 and continues to be the only launch ramp in use. Strict protocols continue to be in place to prevent quagga and zebra mussels from entering Lake Casitas.

Incidents

There were 22 calls for service from the public and 49 staff observations of violations where the park staff made customer contact in January. There were zero medical responses. Of the 9 disturbances, zero required response from Ventura County Sheriff Office. There were 3 unattended fires, 2 boating violations, 9 leash law violations, 11 traffic violations, 2 parking violations, and 2 body contacts in Lake Casitas.

Revenue Reporting

The 2017/2018 unaudited monthly figures below available to date illustrate all Lake Casitas Recreation Area’s revenue collected in the respective months (operations, concessions, Water Adventure, etc.) per the District’s Financial Summary generated by the Finance Manager.



LCRA TOTAL REVENUE

CASITAS MUNICIPAL WATER DISTRICT
LAKE CASITAS RECREATION AREA

DATE: April 4, 2018
 TO: Recreation Committee
 FROM: Carol Belser, Park Services Manager
 SUBJECT: Recreation Area Monthly Report for February 2018

Visitation Numbers

The following is a comparison of visitations* for February 2018:

	February 2018	February 2017	January 2018
Visitor Days	30,012	29,520	22,868
Camps	3,019	3,176	2,391
Cars	7,503	7,380	5,595
Boats	170	156	121
Kayaks & Canoes	1	11	2

Fiscal Year to Date Visitation	
2016/2017	437,070
2017/2018	397,444
% Change	-9.066

*The formulas for calculating the above attendance figures derived from the daily cash reports are as follows:

Visitor Days = Daily vehicles + 30 minute passes X 3 + café passes + attendance at special events + annual vehicle decals + replacement decals + campsites occupied + extra vehicles X 4

Camps = Campsites occupied + extra vehicles

Cars = Daily vehicles + 30 minute passes X 3 + café passes + attendance at special events + annual vehicle decals + replacement decals + campsites occupied + extra vehicles

Boats = Daily boats + overnight boats + annual decals + replacement decals

Kayaks & Canoes = Daily kayaks and canoes + overnight kayaks and canoes + annual kayaks and canoes

Operations and Boating

There were eight cables sold for new inspections, two vessels were re-inspected and a total of 519 vessels were retagged in February. Twelve vessels failed the first inspection in February 2018. Santa Ana Launch Ramp ceased operation after the water level decreased and Old Coyote was reactivated in July 2017 and continues to be the only launch ramp in use. Strict protocols continue to be in place to prevent quagga and zebra mussels from entering Lake Casitas. Associate Park Services Officer, Gregg Willson worked diligently with California Department of Fish and Wildlife to gain their support and assistance for the deer often seen near the lake, to receive needed medical attention to remove an arrow in its head. Gregg was proactive in his effort to monitor the deer and communicate regularly with CDFW officials assisting with their efforts for a successful removal of the arrow. The deer's situation was reported in the February 16, 2018 edition of the Ojai Valley News.



Photo courtesy of the California Department of Fish and Wildlife
The deer, with the arrow still in its head, before being tranquilized.



Photo courtesy of the California Department of Fish and Wildlife
The wound area after the arrow was clipped.



Photo courtesy of the California Department of Fish and Wildlife
The deer scampers away after being tended to and tagged.

Arrowhead no more: Officials locate, tend to wounded deer

Perry Van Houten
 pvh@ojaivalleynews.com
 Wildlife officials are monitoring the recovery of a local black-tailed deer impaled by an arrow recently. On several occasions

in late December and early January, the deer was spotted roaming the Lake Casitas area with an arrow in its head, just behind its left eye. Two attempts to locate the animal in January were

unsuccessful, but on Jan. 31, the deer was located and immobilized with a tranquilizer. A veterinarian then removed the ends of the arrow, but left the middle section

imbedded in the deer's head. "The arrow was imbedded too deep to remove without risking the animal's life," said California Department of Fish and Wildlife (CDFW) spokesman Andrew Hughan.

"We cut off the shaft of the arrow and put a white ear tag in to monitor its recovery." The deer lost an eye to the arrow "but appeared to be fine," he added. "The left eye

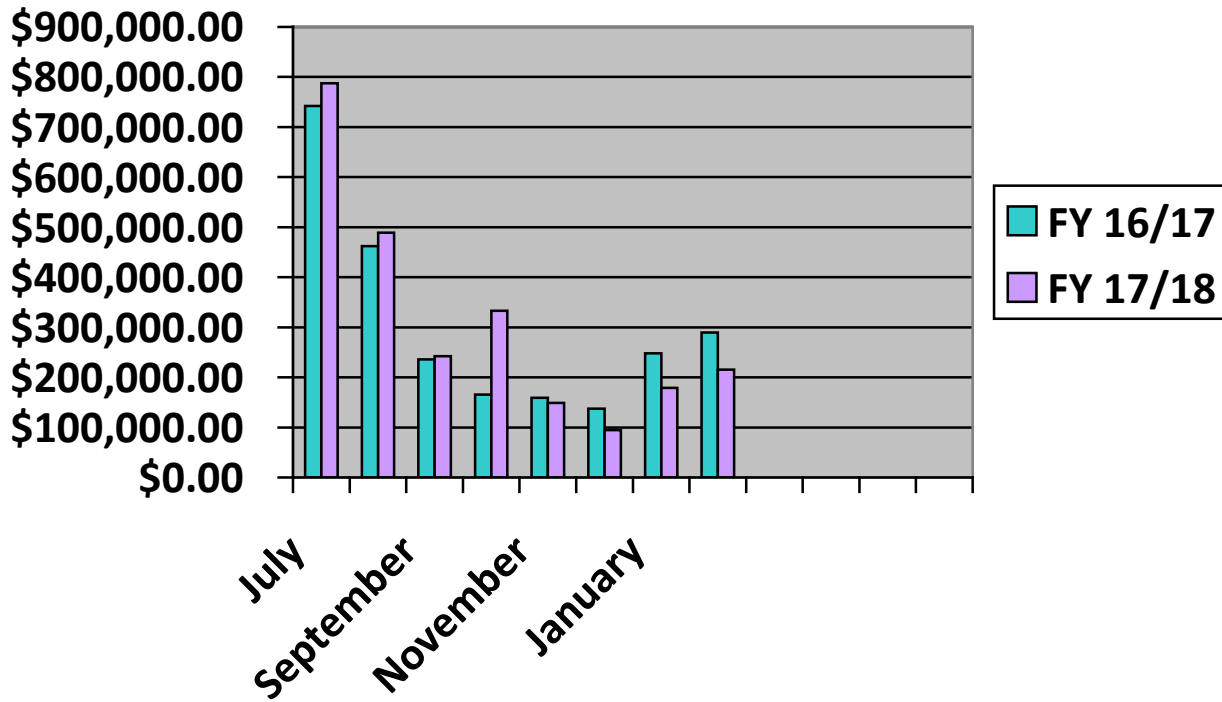
was clouded over and blind." On Feb. 1, the deer was released into the wild, to be monitored by CDFW personnel while it recovers, Hughan said.

Incidents

There were 56 calls for service from the public and 71 staff observations of violations where the park staff made customer contact in February. There was one medical response requiring an ambulance, 42 disturbances with two requiring response from Ventura County Sheriff Office. There was one unattended fire, 2 boating violations, 3 leash law violations, 19 traffic violations, 5 parking violations, one body contact in Lake Casitas and 8 trespassing contacts.

Revenue Reporting

The 2017/2018 unaudited monthly figures below available to date illustrate all Lake Casitas Recreation Area's revenue collected in the respective months (operations, concessions, Water Adventure, etc.) per the District's Financial Summary generated by the Finance Manager.



**CASITAS MUNICIPAL WATER DISTRICT
INTEROFFICE MEMORANDUM**

TO: JULIA ARANDA, ENGINEERING MANAGER
FROM: JORDAN SWITZER, ENGINEERING TECHNICIAN
SUBJECT: LAKE CASITAS MONTHLY STATUS REPORT FOR MARCH 2018
DATE: APRIL 06, 2018

RECOMMENDATION:

This item is presented for information only and no action is required. Data are provisional and subject to revision.

DISCUSSION:

Rainfall Data for March 2018

	<u>Casitas Dam</u>	<u>Matilija Dam</u>
March 2018	8.43"	11.97"
Water Year (Oct 01-Sep 30)	11.43"	16.23"
Average Annual Rainfall	23.68"	28.23"

Robles Fish Passage and Diversion Facilities

Diversion Data

March 2018:	649 A.F.	Total Diversions to Date:	649 A.F.
Diversion Days in March:	6	Diversion Days this WY:	6

Reservoir Data

Water Surface Elevation (3/31/18):	491.34 Feet
Water Storage on April 1, 2018:	85,023 A.F.
Water Storage Last Month:	82,325 A.F.
Net Change in Storage:	+ 2,698 A.F.
Change in Storage from March 31, 2017:	-14,060 A.F.*

**Water storage is reported using the 2017 rating table prepared by Tetra Tech as of October 01, 2017. In order to convey actual change in reservoir storage, comparisons between current storage and storage prior to October 01 is calculated using the 2017 rating table.*

MEMORANDUM

TO: Board of Directors

From: Steven E. Wickstrum, General Manager

RE: Meeting Report - Matilija Dam Ecosystem Restoration Project – Stakeholder Group Meeting of March 23, 2018

Date: April 4, 2018

RECOMMENDATION:

It is recommended that the Board of Directors be informed of the meeting, receive and file this report.

BACKGROUND:

A stakeholder group meeting was convened by the County of Ventura on March 23, 2018, to update the group on the progress of the Project – the decommissioning of Matilija Dam. There has been a concerted effort to develop a funding plan for the Project. The meeting presented the funding plan that is attached to this memorandum.

In the near future, additional work will further refine the scope of projects. The two projects that are of Casitas' interests are the "high-flow sediment bypass" at Robles Diversion Dam and the replacement of the Santa Ana Boulevard bridge where Casitas has a water main.

Matilija Dam Removal and Ecosystem Restoration Project Funding Plan

April 2017



Acknowledgements

The Matilija Dam Removal and Ecosystem Restoration Project (Project) has been a nearly two decades long effort by local, state, federal agencies, non-governmental organizations and dedicated members of the community. The Ventura County Board of Supervisors and Ventura County Public Works Agency Watershed Protection District staff have been dedicated to the success of the project and continue to be instrumental in moving it forward toward successful implementation.

The Design Oversight Group (DOG) is a multi-disciplinary group of project partners and stakeholders that has vetted multiple plans for dam removal and achieved consensus on the current Project plan. Members of the DOG include agency representatives (US Fish and Wildlife Service, NOAA Fisheries, U.S. Bureau of Reclamation, Army Corps of Engineers, California Department of Fish and Wildlife (CDFW), State Coastal Conservancy), water districts (Casitas Municipal Water District (CMWD), Meiners Oaks Water District, Ventura River Water District), local government representatives (City of Ventura, Ventura County Board of Supervisors), and advocacy groups (Surfrider Foundation and Matilija Coalition). A Technical Advisory Committee (TAC) was convened in 2012, as a subcommittee of the DOG with added technical and academic experts, to advance the Project. The Ventura River Watershed Council is a diverse group of stakeholders that has come together to identify, prioritize and assist in funding priority programs and projects for the watershed. The Council selected the Project as its priority project in the watershed.

The Matilija Funding Subcommittee was created to assist the Ventura County Watershed Protection District (VCWPD) in developing funding sources for the design, permitting, and implementation of the Project. Members of the Matilija Funding Subcommittee include: Mark Capelli (National Marine Fisheries Service), Zoe Carlson (Ventura River Watershed Council), Hans Cole (Patagonia), Chris Dellith (US Fish and Wildlife), Christine Found-Jackson (California Department of Fish and Wildlife), Paul Jenkin (Surfrider Foundation and Matilija Coalition), Sam Jenniches (State Coastal Conservancy), Candice Meneghin (California Trout), Peter Sheydayi (Ventura County Watershed Protection District), Stacie Smith (NOAA Restoration Center), Matt Stoecker (Stoecker Ecological), Robert Thiel (State Coastal Conservancy, retired), and Julie Turrini (Resources Legacy Fund).

Additional contributors to this plan include: Reed Addis, Jessica Little, Mark Smith, Neal Fishman (Environmental and Energy Consulting), Julia Elkin, Megan Cooper (Southern California Wetlands Recovery Project), Kaitlin Gaffney, Mike Weber, Letise LaFeir (Resources Legacy Fund), Steve Johnson (Conservation and Natural Resources Group), Pam Lindsay (Ventura County Watershed Protection District), Jenny Marek and Jeff Phillips (USFWS), Melinda Molnar (Caltrans), Laurie Monares (Dudek), and Antal Szijj (Army Corps of Engineers).

The Funding Plan is presented by the Matilija Funding Subcommittee, with thanks to the Resources Legacy Fund's Open Rivers Fund and California Trout for their support.

Abbreviations

ACOE	Army Corps of Engineers
Caltrans	California Department of Transportation
CalTrout	California Trout
CDFW	California Department of Fish and Wildlife
DOG	Design Oversight Group
DRC-2	Dam Removal Concept-2
EEC	Environmental and Energy Consulting
FRGP	Fisheries Restoration Grant Program
IRWM	Integrated Regional Water Management
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
Project	Matilija Dam Removal Ecosystem Restoration Project
RLF	Resources Legacy Fund
SCC	State Coastal Conservancy
SWB	State Water Board
USFWS	United States Fish and Wildlife Services
VCTC	Ventura County Transportation Commission
VCWPD	Ventura County Watershed Protection District
WCB	Wildlife Conservation Board

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Executive Summary

Since 1999, the Ventura County Watershed Protection District (VCWPD) has engaged in a multi-stakeholder effort to remove the obsolete Matilija Dam from the Ventura River watershed. The Matilija Dam Removal and Ecosystem Restoration Project (Project) is a watershed-scale project with multiple components that will enhance the Ventura River and its tributaries to benefit native wildlife and restore ecosystem function. The Project will also address the liabilities posed by the obsolete dam and associated downstream infrastructure.

In March 2016, the Matilija Dam Design Oversight Group (DOG) reached consensus on an approach to dam removal that provides a cost-effective solution to sediment management. This year, the VCWPD, with support from the Matilija Funding Subcommittee, has secured a \$3.3 million California Department of Fish and Wildlife Proposition 1 Grant. This funding will advance the Project to the 65% design phase and complete the environmental and permitting requirements over the next 3 years.

This report provides an overview of possible funding sources for the remaining design, permitting, and construction of the Project. Key takeaways include the following:

- A multi-pronged funding strategy which taps all federal, state, local and private funding sources is necessary for Project success.
- The Project is attractive to public and private funding sources due to the significant positive impacts on endangered species, and multiple benefits to diverse communities in the watershed and throughout the County.
- Funding prospects for the Project are strong, evidenced by funding secured in 2016, including a \$3.3 million California Department of Fish and Wildlife (CDFW) Proposition 1 Watershed Restoration and Ecosystem Restoration Grant, and support for Project planning and coalition coordination from the recently-launched “Open Rivers Fund,” a ten year, western rivers restoration program of Resources Legacy Fund (RLF).
- The proposed DRC-2 “Uncontrolled Orifices with Optional Gates” alternative project (\$111M in 2017 dollars) is a more economically feasible and expeditious project than the congressionally authorized Army Corps of Engineers (ACOE) Alternative 4b project (\$205.8M in 2017 dollars) that was previously contemplated for the Project.
- Moving quickly and aggressively to secure funding for downstream project components will: 1) pave the way for full dam removal on a faster timeline, 2) build on current strong support for the Project, particularly from state and private funders, and 3) reduce costs associated with longer term management and potential escalation of construction costs over time.

Background

Matilija Dam is a 168-foot-high arched concrete dam, originally constructed by the Ventura County Flood Control District (now Watershed Protection District, VCWPD) in 1947 to provide water supply and flood control within the Ventura River watershed. Structural concerns required lowering of the dam crest in 1965 and 1977 (original dam height was 198-feet), which, combined with reservoir sedimentation, has rendered the dam obsolete. The accumulation of approximately 8 million cubic yards of sediment negatively impacts aquatic and terrestrial habitats along the river and deprives Ventura County beaches of much needed sand and cobble. The dam also blocks the migration of endangered Southern California steelhead (*Oncorhynchus mykiss*) to critical habitat in the headwaters of Matilija Creek.

Matilija Dam no longer provides the intended water storage and flood control benefits, and poses an increasing risk and liability to its owner (VCWPD) as its condition continues to deteriorate. Recognizing this, in 1998 the Ventura County Board of Supervisors adopted a resolution stating, in part, that it is “necessary and beneficial” to remove the dam.

Initial studies revealed that, both as part of dam removal and independent of it, downstream infrastructure requires upgrading to address flood control and water supply. For example, if Matilija dam were to be left in place, projections show the Matilija reservoir would completely fill with sediment by 2030, creating additional pressure on downstream infrastructure. So under any scenario, existing levees and bridges as well as the Robles Diversion require modification to accommodate increasing sediment transport from Matilija Creek.

The Matilija Dam Removal and Ecosystem Restoration Project (Project) presents an opportunity to address VCWPD’s potential liability while restoring the community and ecosystem benefits of the watershed. The Project will restore access to 31.8 miles of steelhead spawning habitat, and enhance 116.3 miles and 154 acres of the Ventura River and its tributaries.

The Army Corps of Engineers (ACOE) completed a federal feasibility study for its Project design in 2004 and received congressional authorization for it in the Water Resources Development Act passed in 2007. However, costs to implement the ACOE Project plan quickly escalated above the authorized \$144M due to complications from fine sediment management and disposal. To address these challenges, stakeholders convened a working group to oversee development of an alternatives analysis for the Project that was completed in 2016. This analysis considered additional engineering and design approaches successfully utilized in recent large scale dam removal projects on the west coast, which helped demonstrate that natural sediment transport was a feasible and cost-effective solution for the Project.

With strong support from a diverse group of stakeholders, the Design Oversight Group (DOG) met on March 17, 2016 and selected with near unanimous agreement Dam Removal Concept 2 (DRC-2) “Uncontrolled Orifices With Optional Gates” for the Project. Shortly thereafter, the Matilija Funding Subcommittee was established, and has been meeting, to assist the VCWPD in developing funding pathways for all components and phases of the Project.

The Matilija Funding Subcommittee has assisted the VCWPD in securing a \$3.3 million Proposition 1 Watershed Restoration and Ecosystem Restoration Grant awarded by California Department of Fish and Wildlife (CDFW) to bring the Project to 65% design. Also, in November 2016, Resources Legacy Fund (RLF) launched its “Open Rivers Fund,” a 10-year \$50 million

program focused on supporting local community efforts to restore western rivers. RLF selected the Project as one of three initial Fund projects for focus by providing support for the Matilija Coalition and project planning, including this document. This funding plan outlines a strategy to leverage these existing funding sources to secure the additional funding required to implement the Project in a manner that is timely and cost efficient, and maximizes community and environmental benefits.

Project Description

The Matilija Dam Ecosystem Restoration Project is a watershed-scale project with multiple components. Prior to the removal of Matilija Dam, downstream infrastructure must be upgraded to accommodate changes in sediment transport and flow elevations. This includes modifications to bridges, levees, and the Robles diversion as illustrated in Figure 1. Each of these downstream projects will address current infrastructure deficiencies that will only worsen if Matilija reservoir is allowed to completely fill with sediment that would then overtop Matilija Dam and flow downstream. The critical downstream components of the Project include the following:

- **Camino Cielo Bridge.** Currently, the Camino Cielo road crossing requires reconstruction following each major storm event to repair damage and restore local residents' access. A new bridge at this location will eliminate this recurring problem and avoid negative impacts from increased sediment flow following Dam removal.
- **Robles Diversion.** Construction of the Robles Diversion High Flow bypass will provide for sediment flushing during peak flows to alleviate the current and future maintenance with sedimentation at the diversion dam.
- **Santa Ana Bridge.** The Santa Ana Bridge is seismically deficient and creates a major bottleneck in the Ventura River floodplain. Widening the Santa Ana Bridge will enhance sediment transport eliminating the need to manually excavate following major storms.
- **Levee Improvements.** The community downstream of the Robles Diversion in Meiners Oaks currently lack adequate flood protection, and will benefit from a new levee flood control structure. The existing Live Oak and Casitas Springs Levees do not currently meet FEMA standards, leaving the communities they protect exposed to significant risk to life and property.



Figure 1: Matilija Dam Ecosystem Restoration Project Components

Current Project Status

On March 17, 2016, the DOG reached consensus and selected a preferred dam removal alternative for the Project based on the information presented in the 2016 Dam Removal Concepts Evaluation Report. This study conducted a comprehensive analysis of all possible dam removal scenarios and their effect on the downstream water infrastructure. The DOG determined that “Dam Removal Concept -2 Uncontrolled Orifices with Optional Gates” (DRC-2) has the greatest potential for success because it: 1) is the most cost-effective; 2) presents the lowest risk; 3) minimizes floodplain impacts; 4) compares favorably to similar successful projects; and 5) would yield the most significant community and environmental benefits. DRC-2 is illustrated in Figure 3.

DRC-2 will utilize the natural transport potential of the Ventura River to naturally erode and move as much fine sediment as possible from the Matilija reservoir. The fine sediment will be released through two orifices constructed in the face of the Dam in coordination with a sufficiently high flow rain event to allow effective transport of stored sediments out of the reservoir and its natural distribution downstream. This will allow for dam demolition without costly sediment excavation, dredging or off-site transport, which significantly minimizes the costs and time associated with sediment management. Condit Dam removal on the White Salmon River in Washington successfully employed this method of sediment release and subsequent dam demolition.

This is the most cost effective and environmentally beneficial option; however, implementation of it means moving away from the ACOE design concept initially developed for the Project from 2000 – 2007. The ACOE design involved a complex sediment management approach that escalated the cost far above the authorized \$144M, to an estimated \$217M (in 2017 dollars).

The solution to the fine sediment management challenge incorporated in DRC-2 provides a positive direction for the Project. First, DCR-2 allows for natural flow of sediment to the beach and coastline, as opposed to mechanical transport and permanent storage of sediment elsewhere in the watershed, as contemplated by the ACOE design plan. Natural transport greatly increases the benefits to the ecosystem and coastal communities, while significantly reducing cost of the Project. Second, DRC-2 with the continued support and engagement of local and regional stakeholders and funders can advance immediately, creating the very real opportunity to complete the Project within the next decade.

Following the DOG’s selection of DRC-2, the Matilija Funding Subcommittee was formed, with volunteers representing various stakeholder groups meeting 1-2 times per month since March 2016. The Subcommittee has focused on developing this Funding Plan while simultaneously pursuing funding opportunities for the Project.

To date the VCWPD, with support from the Matilija Funding Subcommittee, has secured a \$3.3 million California Department of Fish and Wildlife Proposition 1 Watershed Restoration and Ecosystem Restoration Grant. This funding will provide funding to advance the Project to the 65% design phase and complete the environmental and permitting requirements.

The Project has also received support from Resources Legacy Fund’s (RLF) Open Rivers Fund, including initial grant support to California Trout for the development of this funding plan.

DRC-2: Uncontrolled Orifices with Optional Gates

Overview:

- Construct IO-02
- Installation of gates, as needed
- Dam Removal

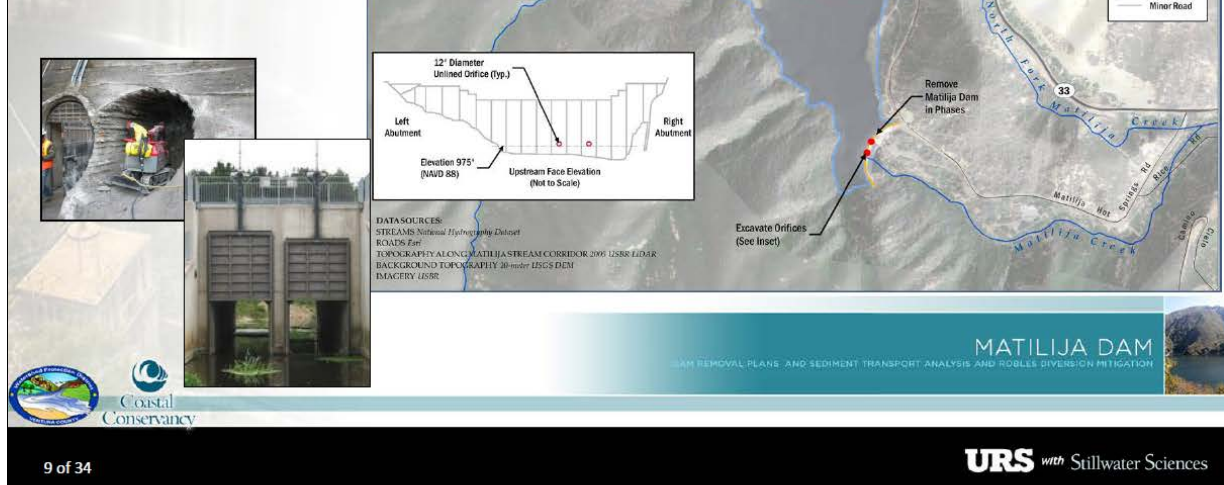


Figure 2: Preferred Project Alternative

Project Timeline and Cost Estimates

VCWPD staff developed initial estimates of the Project timeline for two possible implementation scenarios. A Preliminary Implementation Cost Estimate was developed by AECOM, a private consulting firm retained by the Matilija Funding Subcommittee with a grant from the Open Rivers Legacy Fund. The timelines illustrated in Figure 3 summarize the Gantt Chart schedules included in AECOM's Preliminary Implementation Cost Estimate Report in Appendix II.

The shorter timeline assumes sufficient funding is available to construct all downstream project components simultaneously, during 2021-2022, with dam removal complete by the end of 2024. This "best case scenario" also assumes no waiting period for dam removal following construction of orifices in the face of the dam (i.e., the required high storm event would occur immediately following the construction of the orifices). The longer timeline assumes the same planning schedule, but with sequential, not concurrent, construction of downstream infrastructure and includes a three-year waiting period for dam removal. In this case the dam is not removed until 2031, a 15-year project.

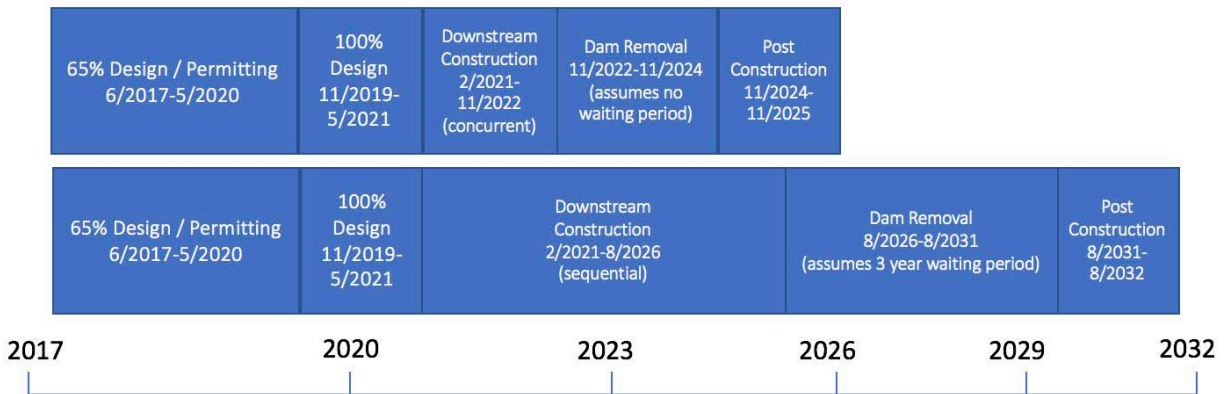


Figure 3: Sequential and Concurrent Implementation Schedules

Project cost estimates were developed based on: these scenarios, the 2004 feasibility costs, the current conceptual design for dam removal, and project management needs. The cost estimates summarized below are referenced in the respective detailed budgets included in Appendix II, AECOM Preliminary Implementation Cost Estimate Report.

Rolled-up Project Tasks	Cost	
	Simultaneous Construction (8 year timeline)	Sequential Construction (15 year timeline)
Program Management	\$7,054,000	\$9,919,000
Pre-Construction	\$24,385,337	\$24,385,337
Additional Environmental Compliance	\$3,178,000	\$3,178,000
Additional Project Design	\$3,059,337	\$3,059,337
Real Estate/Utility Relocations	\$18,148,000	\$18,148,000
Construction	\$65,774,000	\$64,865,000
Dam Removal	\$21,955,000	\$21,955,000
Santa Ana Bridge	\$10,732,500	\$10,732,500
Camino Cielo Bridge	\$7,979,500	\$7,979,500
Meiners Oaks Levee	\$5,575,500	\$5,575,500
Live Oak Acres Levee	\$6,559,500	\$6,559,500
Casitas Springs Levee	\$1,352,500	\$1,278,500
Robles High Flow Bypass	\$11,619,500	\$10,784,500
Post Construction Monitoring	\$13,987,500	\$13,862,200
TOTAL (2017 dollars)	\$111,200,837	\$113,031,537
TOTAL with Escalation	\$136,672,337	\$148,460,000

Table 1. Project Cost Comparison – Two Timelines

Total cost estimates in Table 1 are provided both in 2017 dollars and as an escalated figure that includes inflation, and projected construction and management cost increases.

These preliminary estimates indicate that the overall cost of removing Matilija Dam will increase over time, and that a longer timeline will be subject to both inflation and increased program management costs. Therefore, there is an advantage to completing the project on a shorter timeline, although this would of course be dependent on the availability of funds.

Figure 4, below, illustrates the annual funding needs over the life of the project. An expedited schedule would require a one-year outlay of \$48 million, which assumes that all of the downstream project components can be funded and constructed simultaneously. This would either require coordination of multiple grants and other funding, or a single large appropriation. In contrast, the longer 15-year project timeline in which the downstream project components are constructed sequentially would limit the required funding to approximately \$8-12 million annually from 2020-2026, with a single-year \$17 million output in 2021. Eight years of project effectiveness monitoring is included for either timeline.

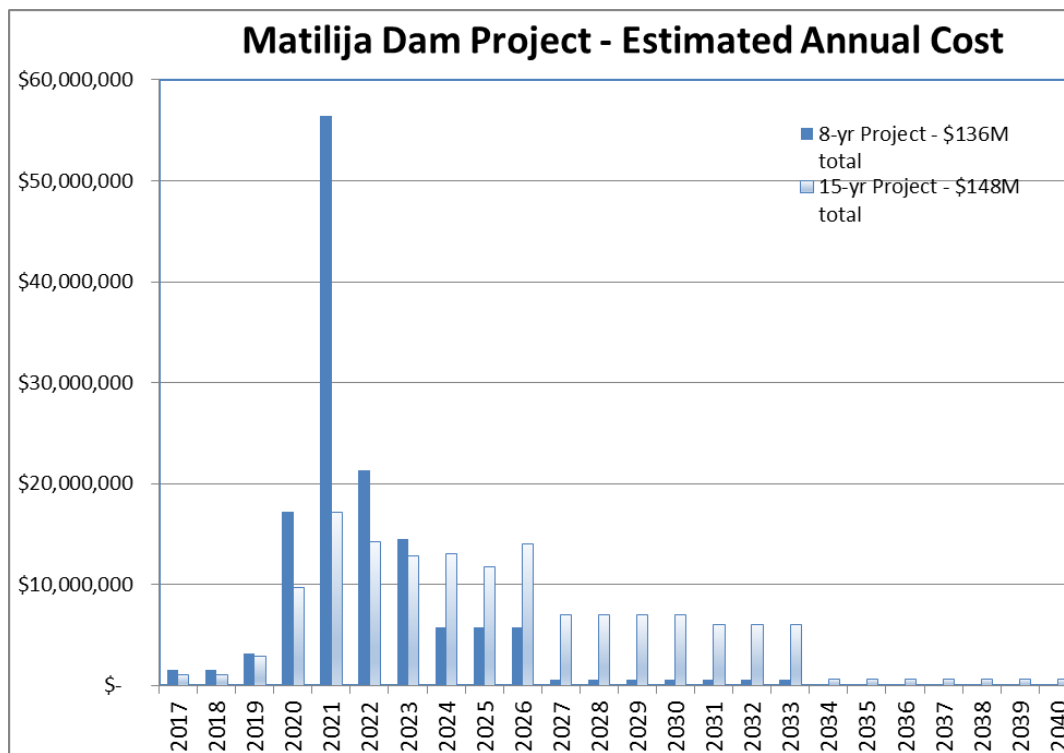


Figure 4: Project Annual Cost Comparison

Funding Strategy

The recent CDFW Prop 1 grant, combined with the additional support from Resources Legacy Fund’s Open Rivers Fund, demonstrates that the Project can secure significant non-federal public and private funding, and now has the resources needed to move forward. The \$3.3 million CDFW Prop 1 grant will provide the necessary support for VCWPD to advance the project to 65% design and complete the required environmental permitting in the next three years.

Concurrent with the design work undertaken with the CDFW Prop 1 grant funds, the Subcommittee will actively pursue additional funding to enable design and construction of those individual Project components that are not likely to be significantly altered in bringing the Project to 65% design ready. Such funding would advance the Project on a faster timeline. Moreover, developing “shovel ready” project components will be critical to securing funding from currently existing state funding sources and evolving legislative opportunities. If successful, this strategy will not only lead to dam removal sooner, but significantly reduce the overall cost of the Project.

The timeline below illustrates this strategy for the next 3-4 years. Funding for downstream project components such as the Santa Ana and Camino Cielo bridges could be pursued while the final design for the Project is underway. This recognizes that state and federal grant programs have long application and processing times, so advancing applications early will ensure that funding is available for project implementation without delays.

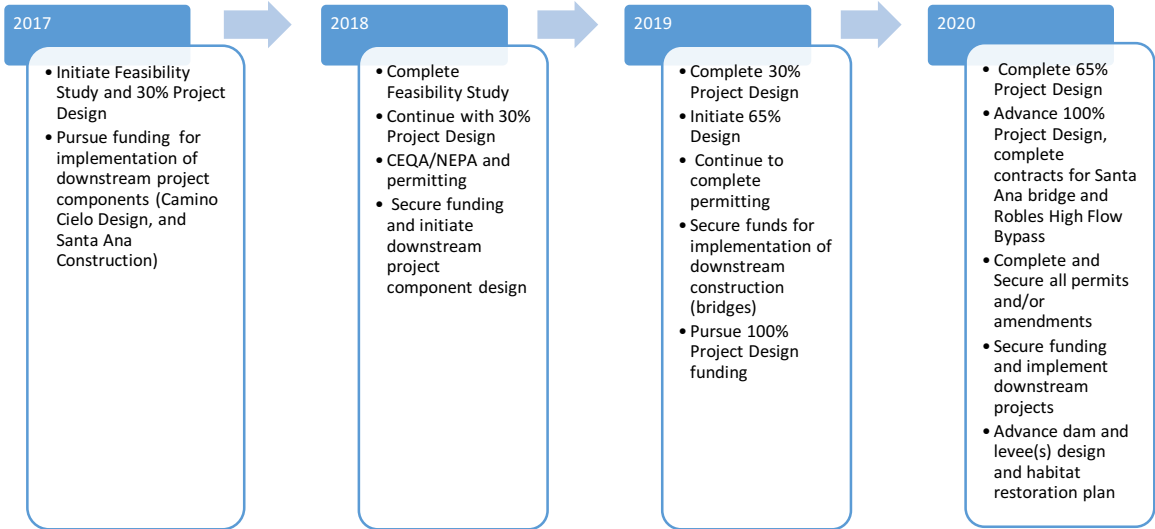
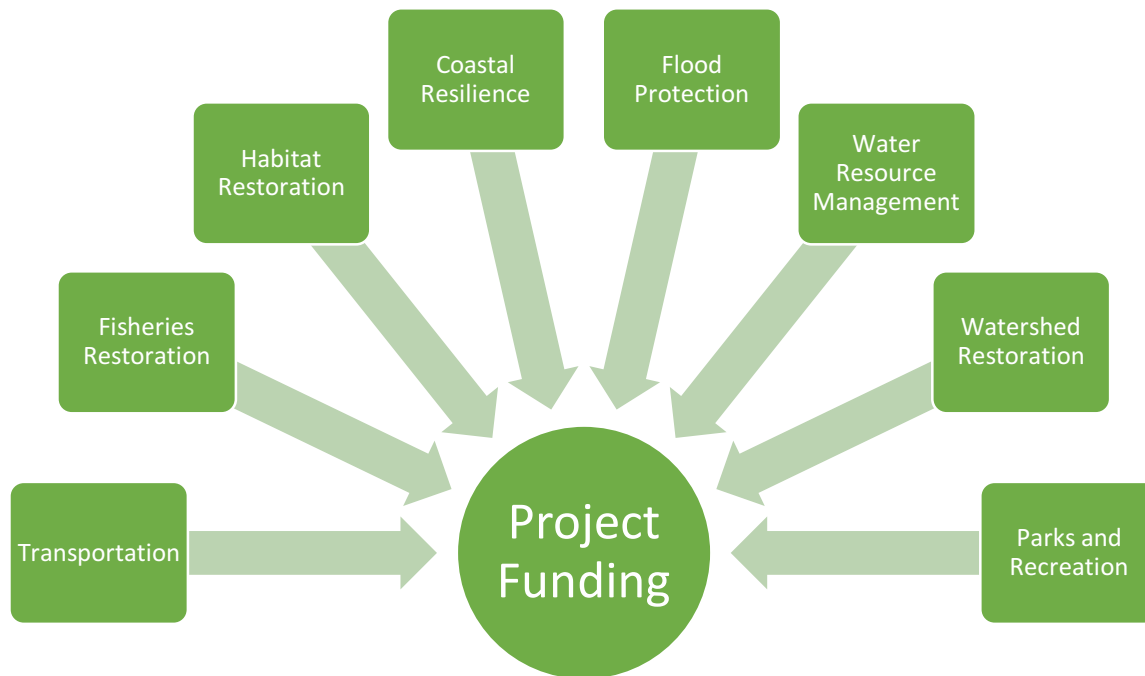


Figure 5: Near-term Project Timeline

The Project’s state-wide significance and considerable non-government support creates a unique opportunity to raise funds from diverse sources for the remaining final design and construction costs. This watershed-scale infrastructure and restoration project is eligible for a broad array of financing, as illustrated below.



Each downstream project component may be funded from a combination of sources based upon their respective goals and priorities. For example, bridges may be eligible for transportation, fisheries, flood protection, and other funding sources, which combined may provide the resources necessary for final design and construction. The lists of funding opportunities in the sections below were developed with this in mind.

In addition to component-specific funding, support for ongoing project management capacity can occur from diverse sources. A focus on this kind of funding will enable the Project to have dedicated capacity to raise more funds across all project components simultaneously. It will also enable the coordination and sequencing of funding secured with project implementation and management of funder requirements and expectations.

The Project is competitive to receive funding from many funding sources because of its multiple-benefit nature, including strong stakeholder support; the historic nature of this large-scale dam removal; the importance of protecting habitat for the endangered Southern steelhead; the critical need faced by coastal communities and beaches, for sand and sediment particularly with rising sea levels caused by climate change; and the urgency surrounding current infrastructure deficiencies that pose public safety and liability concerns. The Project, once completed, could be a model for other watershed-scale infrastructure projects nationwide, and the VCWPD can play an integral role in communicating and messaging this innovative approach.

Existing Funding Opportunities

The following is a discussion of the funding opportunities currently available for the Project from state, federal, and local government as well as private donors. Tables are provided to show the eligibility of each project component for the grants and other opportunities described.

State Funding

The State of California has been the lead funding partner for the Project to date, providing over \$16 million to the Project and related watershed activities since 2000. The State Coastal Conservancy has played a major role in the Project, providing \$8.6 million in funding, as well as staff support, and strategic direction. In 2006, a State Water Resources Control Board (SWRCB) grant provided \$6.2 million for initial invasive plant control in the upper watershed and construction of the new Baldwin Road trailhead on the Ventura River Preserve. An additional \$1.2 million has been provided through CDFW, which has funded Matilija Coalition organizational support, steelhead habitat and population studies, as well as bridge replacements and non-native plant re-treatments on San Antonio Creek.

The state administers a variety of funding programs for watershed protection, restoration, and water infrastructure development that would be a good fit for Project funding. The majority of current natural resources funding through the state is through *Proposition 1: The Water Quality, Supply, and Infrastructure Improvement Act of 2014*. This \$7.5 billion general obligation bond authorized several grant programs that could provide funding for components of the Project.

Table 2 summarizes the state grant programs for which the various project components may be eligible, and the sections below provide additional details on specific state programs and opportunities.

Rolled-up Project Tasks	Cost	Funding Sources															
		State											Environmental Enhancement and Mitigation Program				
		CDFW Prop 1	CDFW FRGP	Southern California Wetlands Recovery Project - Community Wetland Restoration Grant Program	SCC Prop 1	SCC Climate Ready	WCB Prop 1	WCB Habitat Enhancement	WCB Riparian	WCB Acquisition	WCB Wetlands	WCB Monitoring		DWR IRWM	DWR IRWM DAC		
Program Management	\$ 7,054,000.00	x	x	x													
Pre-Construction	\$ 24,385,337.00																
Additional Environmental Compliance		x	x	x	x	x	x	x	x		x	x	x	x			
Additional Project Design		x	x	x	x	x	x	x	x		x	x	x	x	x		x
Real Estate/Utility Relocations				x	x	x	x	x		x							x
Construction	\$ 65,774,000.00																
Dam Removal	\$ 21,955,000.00	x	x	x	x	x	x	x	x		x	x	x				
Santa Ana Bridge	\$ 10,732,500.00	x	x	x	x	x	x	x	x			x	x	x	x		x
Camino Cielo Bridge	\$ 7,979,500.00	x	x	x	x	x	x	x	x			x	x	x	x		x
Meiners Oaks Levee	\$ 5,575,500.00	x	x	x	x	x	x	x	x		x	x	x	x			
Live Oak Acres Levee	\$ 6,559,500.00	x	x	x	x	x	x	x	x		x	x	x	x			
Casitas Springs Levee	\$ 1,352,500.00	x	x	x	x	x	x	x	x		x	x	x	x			
Robles High Flow Bypass	\$ 11,619,500.00	x	x	x	x	x	x	x	x			x	x				
Post Construction Monitoring	\$ 13,987,500.00	x	x	x	x	x	x	x	x		x	x	x				x
TOTAL	\$ 111,200,837.00																

Table 2: Eligible State Funding Programs

CDFW Proposition 1 Restoration Grant Program (outside of Delta): Proposition 1 allocated \$285 million to CDFW for watershed restoration projects statewide (outside of the Delta) administered through its Proposition 1 Restoration Grant Program.

This program provides funding for projects that implement the California Water Action Plan with emphasis on ecosystem restoration. Examples of eligible projects include the following:

- Providing fish passage;
- Removing sediment or trash;
- Reconnecting historical floodplains;
- Modernizing stream crossings, culverts or bridges; and,
- Restoring, protecting or enhancing habitat.

Approximately \$208 million remains to be committed under the Proposition 1 Restoration Grants Program. It is anticipated that the next grant round for the program will occur in spring/summer 2017. Ventura County was recently awarded a \$3.3 million grant through this program for Matilija Dam Removal 65% Design Planning Project.

Project components such as final design and construction of the bridges, levees, and dam removal, together with post-construction restoration and monitoring, are all eligible for funding under this program.

State Coastal Conservancy Proposition 1 Grant Program: Proposition 1 allocated \$100.5 million to the State Coastal Conservancy to fund multi-benefit ecosystem, watershed restoration, and protection projects. The competitive grant program focuses on implementing the State Coastal Conservancy's Strategic Plan and the California Water Action Plan with both targeted (project type, geography) and general projects.

Approximately \$50 million remains to be committed to projects through the Proposition 1 Grant Program. The State Coastal Conservancy is expected to administer three rounds of funding in 2017.

Funding through this program could support the Camino Cielo bridge design and other Project components.

Integrated Regional Water Management (IRWM) Program: The California Department of Water Resources (DWR), administers the IRWM program, for which it has received substantial support from several bond measures (e.g. Proposition 1, Proposition 84, and Proposition 50). Specifically, DWR's Los Angeles-Ventura Funding Area, which covers the Project, received \$98 million from Proposition 1 for IRWM projects, all of which remains unallocated. The Watershed Coalition of Ventura County is currently implementing its final round of Proposition 84 funding (\$12.3 million). WVCV has been particularly successful in securing IRWM funding, with 100% success, with projects ranging from \$500,000 into the multi-millions.

At the local level, participation in the IRWM program is coordinated through the Watersheds Coalition of Ventura County and three watershed councils. The Ventura River Watershed Council has identified the Project as the highest priority in the watershed.

The Watersheds Coalition of Ventura County's IRWM plan goals and objectives are: 1. reduce dependence on imported water and protect, conserve and augment water supplies; 2. protect and improve water quality ; 3. protect people, property and the environment from adverse flooding impacts; 4. protect and restore habitat and ecosystems in watersheds; 5. provide water-related recreational, public access, stewardship, engagement and educational opportunities; and, 6. prepare for and adapt to climate change.

Several components of the Project align with goals 3, 4, 5 and 6, including: the levee improvements, the Robles High Flow Bypass, and dam removal.

IRWM as a planning concept and as a funding mechanism is a priority of the state, and therefore has long-term potential for the Project. The Funding Subcommittee plans to discuss with the DWR and the Watersheds Coalition of Ventura County the potential opportunities and challenges for seeking funding for the Project through IRWM.

Stream Flow Enhancement Program: Proposition 1 allocated \$200 million to the Wildlife Conservation Board (WCB) for providing grants to qualified projects through its California Stream Flow Enhancement Program. Projects funded through this program must provide direct and measureable enhancement of stream flow. Examples of projects include the following:

- Habitat restoration including weed eradication, restoration of entrenched streams, and upper watershed restoration;
- Water transactions, and acquisition of water from willing sellers;
- Water efficiency projects; and,
- Reconnecting flood flows with flood plains.

WCB is reviewing its second round of proposals submitted to the program. Awards for round two of the program will likely be announced in spring 2017. Approximately \$118 million remains to be committed to projects under the California Stream Flow Enhancement Program. It is anticipated that the next grant round for the program will occur in summer 2017.

Project components such as the Pre-Construction Real Estate Plan (i.e., land and conservation easement acquisitions and necessary rights of way), Water Supply, and levee design and construction, as well as dam removal may be eligible for this granting program. The Funding Subcommittee will reach out to WCB to better understand program requirements of this Program and applicability to the Project.

Immediate State Funding Opportunities:

The Funding Subcommittee is currently assessing options to pursue grants from the above-described programs for both the Santa Ana Bridge construction and Camino Cielo Bridge design. If the proposals submitted are successful, these project components could be covered entirely by the grants listed above and implemented concurrently with the CDFW Prop 1 \$3.3 million grant already awarded to the Project. Cost for Santa Ana Bridge construction (including management) is currently estimated at approximately \$11 million, and cost for Camino Cielo bridge design at \$400,000 (not including what is already in the CDFW Prop 1 grant).

Grant Program	Project Component	Due Date
CDFW Prop 1	Santa Ana Bridge Construction	June/July 2017
WCB Prop 1	Santa Ana Bridge Construction	August 2017
CDFW Prop 1	Camino Cielo 100% Design with Caltrans support	June/July 2017
SCC Prop 1	Camino Cielo 100% Design with Caltrans support	May 31, 2017

Table 3: Immediate state funding opportunities

Federal Funding

To date, \$7.3M in federal funding has been spent on the Project. The majority of this was planning support for the 2004 Army Corps of Engineers Feasibility Study, but since then federal appropriations have not been forthcoming. A Congressional “no new starts” policy makes significant federal support for an ACOE project unlikely in the near future.

Due to the recent election and the attendant transition of various federal agencies, the federal funding landscape requires ongoing assessment. The time-frame for this transition will stretch at least until the end of 2017, because many of the relevant political appointees are yet to be identified, announced, and appointed in their positions. Despite changing political circumstances in Washington, D.C., the Project enjoys strong support from the federal delegation and many agency career officials. This support will be critical once the federal funding landscape stabilizes.

Notwithstanding the delay and uncertainty inherent in the transition from the previous to the current administration, there are several key aspects of potential federal engagement to track going forward: 1) potential for a federal infrastructure investment package, 2) potential for federal agency participation in the execution of discrete components, and 3) current grant programs that align with Project components and goals.

Multiple federal agencies have potential to participate directly or indirectly in Matilija Dam removal and watershed restoration efforts, including: the National Oceanographic and Atmospheric Administration, the Army Corps of Engineers, U.S. Forest Service, Natural Resources Conservation Service, U.S. Fish & Wildlife Service, Environmental Protection Agency, National Marine Fisheries Service and the Bureau of Reclamation.

In addition, federal funding will likely underpin transportation funding directed by the State of California. In some cases, the agencies have a responsibility to act (e.g., implementing the Endangered Species Act) and in other cases they have existing authorities to act (e.g., ACOE's small projects). Ultimately, federal natural resource agency funding will be pieced together through engagement at local, state, and regional levels. Federal elected officials can help to push local federal agency decisions on these allocations, which presents an opportunity for the California delegation to help advance Matilija dam removal efforts.

Federal Infrastructure Package: Congress may attempt to pass a major infrastructure investment package in response to sustained advocacy for putting people back to work on big construction projects. Any such infrastructure bill would likely move in conjunction with the administration's tax reform efforts. While there is great uncertainty surrounding this opportunity, if it does move forward, key partners and advocates in D.C. will pursue the inclusion of provisions that will enable federal participation in component parts of the Project as appropriate.

Federal Agency Participation: Federal participation in the Meiners Oak and Live Oak levee enhancement could be pursued through the ACOE Continuing Authorities Program (CAP).

CAP is a collection of individual authorities that allow for construction of water resources projects outside of the Congressional authorization process, as long as the project conforms to specific federal participation limits. The CAP authority best suited to perform repairs or improvements to the current levees is Section 205 of the Flood Control Act of 1948. Section 205, also known as the Small Flood Risk Management Project program, provides flood risk management by the construction or improvement of flood control works such as levees,

floodwalls, impoundments, pumping stations, and channel modifications. The Corps could oversee planning, design, and construction of the levees, in close coordination with VCWPD. Federal participation in CAP projects is limited to \$10 million per project.

Before federal participation can occur, a planning study must be conducted to determine if the project is economically justified (benefits exceed the costs), technically feasible, and environmentally acceptable. Planning studies for CAP projects typically take 18-24 months depending on the complexity of the project. Since the Matilija Dam project has an active Chief's Report for ecosystem restoration, removal of the dam, and raising of the levees, many of the requirements for the CAP planning study may already be satisfied or simply need to be updated.

Federal Grant Programs:

Aside from the analysis above, the Project is eligible for a variety of existing federal grant programs that are summarized and discussed below:

Rolled-up Project Tasks	Cost	Funding Sources																
		Federal																
		California Federal Lands Access Program	Federal Highway Administration Bridge Replacement and Rehabilitation Program	USFWS Partners for Fish and Wildlife	BOR WaterSMART Cooperative Watershed Management Program	BOR WaterSMART Drought Contingency	BOR Water Marketing Strategy	BOR Water SMART Water Conservation and Energy Efficiency	BOR WaterSMART Drought Resiliency	USFWS State Wildlife Grants	US FWS - National Fish Passage Program. Road Aquatic Species Passage Funding	NOAA Coastal Resiliency	US FWS/CDFW - Section 6	USFWS National Coastal Wetlands Conservation Grant Program	National Resource Conservation Service	NOAA Community Based Restoration		
Program Management	\$ 7,054,000.00			x	x												x	
Pre-Construction	\$ 24,385,337.00																	
Additional Environmental Compliance			x		x						x	x	x	x			x	x
Additional Project Design		x	x		x	x		x	x	x	x	x	x				x	
Real Estate/Utility Relocations				x	x		x				x		x	x	x			
Construction	\$ 65,774,000.00																	
Dam Removal	\$ 21,955,000.00	x			x	x		x	x	x	x	x	x	x	x			
Santa Ana Bridge	\$ 10,732,500.00	x	x							x	x	x	x	x	x			
Camino Cielo Bridge	\$ 7,979,500.00	x	x							x	x	x	x	x	x			
Meiners Oaks Levee	\$ 5,575,500.00										x	x	x	x	x			
Live Oak Acres Levee	\$ 6,559,500.00										x	x	x	x	x			
Casitas Springs Levee	\$ 1,352,500.00										x	x	x	x	x			
Robles High Flow Bypass	\$ 11,619,500.00	x			x	x	x	x	x	x	x	x	x	x	x	x	x	
Post Construction Monitoring	\$ 13,987,500.00	x	x		x	x		x	x	x	x	x	x	x	x	x	x	
TOTAL	\$ 111,200,837.00																	

Table 4: Eligible Federal Funding Programs

NOAA Coastal Ecosystem Resiliency

The NOAA Coastal Resiliency Grants Program supports two categories of activities: strengthening coastal communities and habitat restoration. Applicants can submit proposals for either category through the same funding request.

1. **Strengthening Coastal Communities:** activities that improve capacity of multiple coastal jurisdictions (states, counties, municipalities, territories, and tribes) to prepare and plan for, absorb impacts of, recover from, and/or adapt to extreme weather events and climate-related hazards.
2. **Habitat Restoration:** activities that restore habitat to strengthen the resilience of coastal ecosystems and decrease the vulnerability of coastal communities to extreme weather events and climate-related hazards.

This program may provide support for Project management, coastal sediment transport modeling studies, as well as fish passage and levee design and construction. This program is renewed annually with grants ranging from \$200,000 - \$2 million.

NOAA - Community-based Restoration Program

The NOAA Restoration Center's Community-based Restoration Program invests funding and technical expertise in high-priority habitat restoration projects that instill strong conservation values and engage citizens in hands-on activities. Through the program, NOAA, its partners, and thousands of volunteers are actively restoring coastal, marine, and migratory fish habitat across the nation.

This program may help fund coastal science studies to inform design, post-construction monitoring, and permitting. Design and construction of fish passage improvements (for example, dam removal, Santa Ana and Camino Cielo bridges, and Robles High Flow bypass) may also be eligible. Grants range from \$100,000-\$4 million dollars.

US FWS - National Fish Passage Program and Road Aquatic Species Passage Funding

The National Fish Passage Program is a voluntary, non-regulatory initiative of the U.S. Fish and Wildlife Service (USFWS), which provides funding and technical assistance to reconnect aquatic habitats.

Proposals are accepted year-round, however, the funding cycle for Fish Passage projects begins each year in August and ends with funds awarded the following spring. Funding is administered through the regional and local Fish and Wildlife Conservation Offices.

Proposals are reviewed by USFWS applying the following criteria for will assessing projects and make funding decisions:

- Show the greatest ecological benefits for trust species,
- Exhibit permanence of fish passage benefits,
- Make use of the most current scientific knowledge and proven technology,
- Evidence the greatest public support, and,
- Generate the maximum in matching contributions.

This program allocates funding annually, and grants range from \$70,000-\$2 million, with no upper limit. Dam removal, Robles High Flow Bypass, and Camino Cielo and Santa Ana bridge design and construction are all good candidates for funding through this program.

Local Funding

Local funding for the Project will be important to demonstrate community support and provide required matching funds for other public funding sources.

Rolled-up Project Tasks	Cost	Funding Sources																	
		Local							Private/Other										
		Ventura County Community Foundation	Santa Barbara Community Foundation	VCWPD Budget	City of Oxnard Budget	City of Ventura Budget	Ventura County Budget	VCWPD Tax	Municipal Bonding	Resource Legacy Fund	Patagonia	Orvis	NFWF Wells Fargo Environmental Solutions for Communities	NFWF Impact Directed Environmental Account	NFWF Zaca Piru Fires Restoration Grant Program	CA Fish Passage Forum	Marisia Foundation	Annenberg Foundation	Mead Foundation
Program Management	\$ 7,054,000.00	x	x	x						x	x	x	x						
Pre-Construction	\$ 24,385,337.00																		
Additional Environmental Compliance				x					x	x	x	x					x	x	x
Additional Project Design				x					x	x	x			x	x		x	x	x
Real Estate/Utility Relocations				x					x	x							x	x	x
Construction	\$ 65,774,000.00																		
Dam Removal	\$ 21,955,000.00	x	x	x	x	x	x	x			x	x		x	x	x	x	x	x
Santa Ana Bridge	\$ 10,732,500.00			x				x	x	x		x	x				x		
Camino Cielo Bridge	\$ 7,979,500.00			x				x	x	x		x	x				x		
Meiners Oaks Levee	\$ 5,575,500.00			x	x	x	x	x	x										
Live Oak Acres Levee	\$ 6,559,500.00			x	x	x	x	x	x										
Casitas Springs Levee	\$ 1,352,500.00			x	x	x	x	x	x										
Robles High Flow Bypass	\$ 11,619,500.00	x	x	x				x	x	x				x	x	x			
Post Construction Monitoring	\$ 13,987,500.00	x	x		x	x	x			x							x	x	x
TOTAL	\$ 111,200,837.00																		

Table 5: Local and Private Funding Programs and Options

Ventura County Watershed Protection Act: The Ventura County Watershed Protection Act is the enabling legislation which established the Ventura County Flood Control District in 1947. Matilija Dam was the first project completed under this act. VCWPD currently collects a fee on property taxes which are levied pursuant to Section 12 of this act.

This legislation also provides that the Board of Supervisors may levy an additional tax in Zone 1, which is where Matilija Dam is located, for the purpose of financing the repair or removal of Matilija Dam. This tax is not to exceed five cents (\$0.05) on each one hundred dollars (\$100) of the assessed valuation of the taxable property in Zone 1.

The VCWPD calculated the taxable assessed value for Zone 1 at \$9,102,991,537. A fee of 0.05 per \$100 would raise \$4,551,496 per year for dam removal. This will require a two thirds majority for voter approval.

Such an initiative would require an investment in market research to determine viability and outreach to support a successful campaign. This tax could be structured with a fixed term such that it would terminate upon Project completion.

Municipal Bond Financing: The taxes levied through the abovementioned Ventura County Watershed Protection Act, could be used to pay off debt incurred by taking out a municipal bond to support the Project. Ventura County could explore this possibility with Stifel Financial Corp., a wealth management and investment banking firm with local experience assisting municipalities in neighboring Santa Barbara and Los Angeles Counties.

Transportation Funding (Measure AA): Although voters did not pass this measure in 2016, there remains an unmet need for local transportation funding. Deficient transportation infrastructure such as the two bridges included in the Project may be eligible for this type of local funding. The Funding Subcommittee recommends ongoing conversations with Ventura County Transportation Commission staff regarding this possibility.

Private Funding

Drawn by the national recognition the Project has received in recent years through efforts like Patagonia's 2014 film "DamNation," private funders have expressed interest in contributing at various levels, either through local NGOs working to advance the Project and/or directly to Project components. In November 2016, Resources Legacy Fund committed funding for the Project through its recently-launched "Open Rivers Fund." In similar fashion Patagonia continues to commit funding and in-kind support to the effort as it has for many years. Continued support from RLF and Patagonia is expected in key areas of need including project management, planning, Matilija Coalition coordination, and community engagement.

Additional work is needed to develop a structure for directing private funding to physical implementation of Project components. Accepting private sponsorship will help satisfy public funding matching requirements and fill critical funding gaps and/or delays.

Foundations: In addition to funding from RLF and Patagonia, who are leading on this effort, other foundations may have an interest in the Project, including:

- NFWF through various programs, including Los Padres National Forest – Zaca and Piru Fires Restoration Grant Program, Wells Fargo Environmental Solutions for Communities, and Impact Directed Environmental Accounts (IDEA)
- Marisla Foundation
- Annenberg Foundation
- Mead Foundation
- Santa Barbara Community Foundation
- Ventura County Community Foundation

Businesses and Individuals: Funding support from businesses and individuals may help fund project management and community education/engagement. Once a process is established, this may also help support specific Project components and satisfy matching requirements.

Moreover, community fundraising efforts will increase local buy-in and provide opportunities to publicly show-case the Project. All fundraising of this kind requires a commitment of leadership and resources from local partners.

Tactics could include:

- Local fundraising events – galas, dinners, live/silent auctions;
- Crowdfunding campaigns via web and social media; and,
- Merchandise sales, raffles, or auctions.

Other Funding Opportunities

Statewide Funding Measures

Water infrastructure is a high priority for many California elected officials. As of the date of this report, numerous legislative efforts are ongoing to place measures on the June 2018 ballot that would provide for investments in natural resources, parks, water, and transportation infrastructure. In addition to legislative efforts, discussions are ongoing respecting a potential private citizens' general obligation bond initiative for the 2018 ballot that would focus investments in natural resources, water and parks.

Legislative efforts to develop new funding for parks, natural resources, and water investments:

The California State Senate and the California State Assembly have introduced the following bond measures aimed at natural resources investments:

- SB 5 (De León): California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 ([click here for most recent language](#))
- AB 18 (E. Garcia): California Clean Water, Climate, and Coastal Protection and Outdoor Access For All Act ([click here for most recent language](#))

These bonds measures are moving through the relevant policy committees within their respective houses, and will continue to do so through spring 2017. Dam removal provisions have been included in SB 5 and consolidated language has been developed that could be used in the final Legislative Bond package. The Funding Subcommittee anticipates there will be amendments to the Senate's parks bond and will continue to engage as the bills develop to ensure that provisions are included that would provide funding for Project components. Senators Henry Stern, Ben Allen, Robert Hertzberg, and Hannah-Beth Jackson are all Southern California members of the Senate Natural Resources and Water Committee and are expected supporters of these provisions.

New funding for transportation infrastructure improvement and goods movement:

The California Legislature recently passed SB 1, which provides for a fuel tax increase and new vehicle fees to pay for road repairs and other transportation projects. While a transportation package does not generally mean substantial investment for environmental projects, with a bill this large (\$5.2 billion a year) there may be opportunities for funding Project components.

- SB 1 (Beall): Transportation funding ([click here for most recent language](#))

While not an obvious fit for dam removal provisions, there are key components of the transportation measure or fee proposal that could benefit elements of the Project. Provisions advancing mitigation and funding for bridges or fish passage may increase the likelihood of getting votes from progressive democrats, and ultimately enhance the proposal's prospects for success.

Private Citizens Initiative

Interested stakeholders are investigating the potential for a private citizens' initiative that would place a natural resources bond measure on the June 2018 ballot, particularly if current legislative efforts to advance a parks and natural resources bond to the 2018 ballot are not successful. Such a measure could include funding for Project components. The Funding Subcommittee will follow stakeholder efforts on this front.

The Funding Subcommittee recommends ongoing engagement with the legislature as bills and packages are developed for later in 2017 and beyond. This Project will likely be a high priority due to support from local representatives and the local community. However, it is important to note that, moving forward, local funding contributions and support will be critical for maintaining the support of key state legislators.

Mitigation Programs

Mitigation measures are generally required to compensate for the environmental impacts of a development project. The Project itself is expected to be self-mitigating with any mitigation requirements associated with the dam removal satisfied by Project restoration components. However, there may be opportunities to access additional revenues from existing mitigation programs, through compensatory mitigation required from other construction projects in Ventura County. This could help fund Project components, particularly those relating to restoration and management and control of non-native plant species.

Each permitting agency in the region should be consulted regarding local outstanding mitigation commitments, including USFWS, NMFS, SWB, ACOE, and CDFW. Existing mitigation commitments – including those related to flood control, vegetation removal efforts and homeless encampment projects along the river, among others – should be evaluated as a potential fit for mitigation transactions.

Following are potential mitigation funding resources:

- **The State Coastal Conservancy SCWRP In-Lieu Fee Program:** This program will meet multiple federal and state agencies' mitigation needs for authorized unavoidable impacts to aquatic resources while also creating a funding source for aquatic resource restoration

projects in Southern California. SCC staff is currently working with the program's Interagency Review Team to complete program development. SCC expects that mitigation credits will be available for sale under the program in early 2018. Program revenue from credit sales will go directly into funding eligible restoration projects drawn from the Southern California Wetland Recovery Project's 'Work Plan' <http://scwrp.org/grants/work-plan/>. Matilija Dam is listed as three separate projects in the work plan: [Matilija Dam Ecosystem Restoration Program: Pre-Construction Removal Engineering and Design](#); [Matilija Dam Removal Feasibility Study](#); and, [Matilija Dam Evaluation Project](#). Project components with discrete elements that can be separately budgeted, implemented within 3 years and monitored, can qualify as mitigation transactions (see criteria <http://scwrp.org/project-evaluation-criteria/>).

- **Caltrans' advance mitigation program:** This program has specific requirements regarding acceptable projects and the type of mitigation credits required. As a Caltrans funding alternative to advance mitigation dollars, priority projects may be presented to the Southern California Fish Passage Advisory Committee (FishPAC) to identify a capital project nearby that needs offset. To comply with the Streets and Highway Code (Senate Bill 857), Caltrans must report on salmon and steelhead passage to the legislature. To satisfy the legislature, Caltrans has facilitated regional FISH PACS to target fish passage projects. Discrete project elements may be presented to the FISHPAC. Further, because of the need to show gains in salmonid recovery, advocacy by project stakeholders can be effective. Caltrans appreciates the enterprise, administrative oversight and expertise that NGO's bring to fish passage projects and are often willing to supply the funding. Their preference is for bridges that are ideal for longer term 75-100 year objectives. Camino Cielo and Santa Ana Bridge components should be discussed in more detail with Caltrans staff, as there is a Highway 33 nexus.
- **USFWS Mitigation:** Guided by the USFWS 2016 directives, USFWS is moving to recommend mitigation more broadly. Mitigation commitments related to the Ventura River include those specified in the Flood Control Bi-op, which have a rolling implementation and permittee (County) responsible mechanism that would allow contribution to the Matilija restoration components. The County vegetation removal efforts around highway 101 and the homeless encampment project also fall in this category.
- **The U.S. Fish and Wildlife Service's Environmental Contaminants and Natural Resource Damage Assessment and Restoration Program (NRDAR):** The Ventura Field Office, along with representatives from CDFW, NOAA, California Department of Parks and Recreation, and California State Lands Commission, are responsible for assessing the damage from the Refugio Bay Oil Spill and completing a habitat equivalency analysis (HEA – scaling restoration to injury by area, type and time). These agencies are currently working cooperatively with the pipeline company on a settlement offer, which includes the prioritization of projects to mitigate for the specific environmental injury. If a negotiated settlement is not reached in this timeframe, the matter will be referred for legal settlement. Settlement negotiations should conclude in the spring of 2017 with the release of a Damage Assessment and Restoration Plan (DARP) for public comment. The Funding Subcommittee will engage to ensure that the Project is captured as an eligible program for restitution funding that will likely be administered through a Trustee Council, such as the Santa Clara River Trustee Council. This is a potential avenue for unrestricted matching funds for all Project components, with a preference for implementation components.

- **The Ojai Valley Land Conservancy:** This group has an established in-lieu fee program on the Ventura River. While it is possible to establish a program for the Project, the first priority will be to use the existing framework since these programs require considerable time and effort to establish.
- **Monitoring Partnership:** Mitigation transactions require long term monitoring and maintenance commitments. In the nascent field of dam removal these data sources are valuable and monitoring outcomes may be of interest to NMFS and other resource agencies or universities. A monitoring partnership could be established if feasible to advance mitigation value and reduce cost.

Governance

A program management structure that ensures adequate resources for final design and implementation of the Project should be developed. This need includes program management, engineering management and design, fundraising/grants management, and communications.

Building on the successful multi-agency process that has advanced the project to date, stakeholders would continue to provide input through the Design Oversight Group. An Executive Committee could be drawn from current Design Oversight Group members, and include representatives from County staff and key agencies, as well as the NGO community and funder partners. Focused work groups should be developed to provide for the technical, fundraising, and public outreach aspects of the Project.

Because the VCWPD owns the dam and the downstream levees and has consultant and construction powers in place, the VCWPD would retain the overall project management responsibility for the Project. However, it may be beneficial for certain downstream Project components to be managed by other responsible agencies. For example, the Robles Diversion modifications may be undertaken by the Casitas Municipal Water District.

There may also be a benefit to engaging additional outside consultants with engineering, project finance, and project management expertise to enhance the VCWPD's capacity to implement the Project. For instance, it may be possible for a private funder to enter into an agreement with the VCWPD, County or other future owner to complete an individual Project component, such as Camino Cielo Bridge. Additionally, certain program management functions, including public and stakeholder outreach, grant writing, and website management, may be suited to one of the NGO's involved in the Project.

Summary and Conclusion

The Matilija Dam Removal and Ecosystem Restoration Project is ready to move forward with a consensus plan for dam removal. The Project includes significant improvements to downstream infrastructure, presenting an opportunity to address VCWPD's liability while restoring the community and ecosystem benefits of the watershed. A \$3.3 million grant, awarded through CDFW Prop 1, will provide the necessary support for VCWPD to advance the project to 65% design and complete environmental permitting in three years.

Strong support from state agencies, (and unlikely federal appropriations to the original ACOE Project plan), provides a path forward for the less expensive DRC-2 local plan in a timely manner. The Project's statewide significance and considerable NGO and community support creates a unique opportunity to fundraise from a variety of sources for the remaining final design and construction costs.

A diverse array of current and potential state, federal, local, and private funding opportunities are potentially available to fully implement the project.

Moving quickly to access the immediately available funding options presented in this plan (particularly CDFW and Coastal Conservancy Prop 1 funding), leads to substantial cost savings over time. But, it's also important to note that this approach brings the Project to a level of readiness for possible benefit from one of the evolving legislative opportunities. This includes a state water bond or local tax measure pass with provisions favorable to implementation of Project components. However, the County may only be able to apply for and access funding if preliminary design work and downstream components are complete. Having a "shovel ready" project is critical to take advantage of existing state funding and evolving legislative opportunities. If successful, this strategy will not only lead to dam removal sooner, but significantly reduce the overall cost of the Project.

Appendix I Funding Matrix

Funder	Proposal Deadline	Recurring and How Long	Available Funds	Match Requirements	Max Request	Project Period	Award Date	Program Contact	Threshold Requirements	Project Component	Potential Lead for Project	Notes
GRANTS												
Government												
FEDERAL												
NOAA Coastal Ecosystem Resiliency	17-Mar-17	renewed annually	\$15 million	2:1 ratio of federal to non-federal (or waiver)	\$100,000 to \$2 mil	12-36 months	1-Jun-17	Strengthening Coastal Communities Projects: Lisa Warr (240) 533-0815 Lisa.S.Warr@noaa.gov Habitat Restoration Projects: Melanie Gange (301) 427-8664 Melanie.Gange@noaa.gov	Regional organization, institution of higher education, nonprofit or for-profit organization, a U.S. territory or state, Native American tribe, or local government (including counties, municipalities, and cities). Eligible Habitat Restoration project type.	Pre Construction planning (permitting and design), Santa Ana, Camino Cielo, Meiners Live Oak Casitas Springs levees, Dam removal, Robles High Flow bypass, Acquisition/Real Estate	District, Non-Profit partners, facility owners	two categories: 1) Strengthening Coastal Communities 2)Habitat Restoration; submit on Grants.gov
NOAA - Community-based Restoration Program	23-Mar-17	renewed annually	\$5 million	1:1 match preferred (non-federal)	\$100,000 to \$4 mil	12-36 months	30-Jun-17	Rina Studds (301) 427-8651 Rina.Studds@noaa.gov	Eligible entity, and project criteria.	Project Management, bridges, levees	District, Non-Profit partners, facility owners	http://www.habitat.noaa.gov/funding/coastalrestoration.html
US FWS - State Wildlife Grants Program	31-Aug-17	Congress appropriates funds for the State Wildlife Grant Program on an annual basis	\$2-3M/year to CA. But verified in PSN each year.	35% Non-Federal	\$1 mil	Max 36 months	March - Aug	Karen Miner at Karen.Miner@wildlife.ca.gov or 916-445-3685	Land Tenure/Site Control/Access Permission. 29.68% indirect cost limit. ID lead agencies for NEPA and CEQA if required.	Bridges, Levees, Dam, Robles, Acquisition/Real Estate	District, Non-Profit partners, facility owners	Eligibility is limited to agencies with lead management responsibility for fish and wildlife resources. nonprofit organizations, local government agencies, colleges and universities, and state departments.
US FWS - National Fish Passage Program. Road Aquatic Species Passage Funding	9/30/2017 - and year round	dependent upon federal budget allocation	\$70,000 - no upper limit	The National Fish Passage Program has flexibility from project to project but strives to achieve a 50% federal OR non-federal match, which can include in-kind contributions.	\$2 mil	TBD	NA	Erine Gleason (209) 334-2968, ext. 415; erin_gleason@fws.gov	TBD	Dam Removal, Robles, Levees, Birages.	District, Non-Profit partners, facility owners	<ul style="list-style-type: none"> All applications should be submitted via email to a specific U.S. Fish and Wildlife Service (FWS) field or regional office. http://www.fws.gov/fisheries/ Contact the local Fish and Wildlife Conservation Office of FWS Regional Office regarding submission deadlines and to assist with developing your project.
US FWS - Sport Fish Restoration Program	31-Aug-18	est. 1950, funds appropriated from the Sport Fish Restoration and Boating Trust Fund; \$18 mil to CA in 2016	TBD	25% non-fed	\$5 mil	TBD	NA	Pacific Southwest Region WSFR Contact: Marie Strassburger, Division Chief (916) 414-6727	TBD	Dam Removal, birdges, Robles, Levees	District, Non-Profit partners, facility owners	Participation is limited to State, Commonwealth, or territorial agencies with lead management responsibility for fish and wildlife resources
US FWS - Partners for Fish and Wildlife Program	TBD	renewed annually - 2016 allocation = \$52.4 million	TBD	TBD	TBD	TBD	TBD	Carrie Thompson, 916-414-6446, Carrie_Thompson@fws.gov	TBD	Real Estate	District, Non-Profit partners, facility owners	expert technical assistance and cost-share incentives directly to private landowners to restore fish and wildlife habitats. Follow up with Carrie Thompson regarding the Landowner Incentive Grant
US FWS - National Coastal Wetlands Conservation Grant Program	30-Jun-17	2015-2021 (funds appropriated from the Sport Fish Restoration and Boating Trust Fund)	\$17 million	25% non-fed	\$1 mil		1-Jan-18	Larry Riley, 916.978.6182, Lawrence_Riley@fws.gov	Acquisition and Restoration for long term conservation (i.e., more than 20 years). No research, mitigation requirements, planning as a primary focus, O&M of invasive spp.	Bridges, Levees, Dam, Robles, Acquisition/Real Estate	District, Non-Profit partners, facility owners	Eligible applicants are any State agency or entity designated as eligible by the Governor of a coastal State. It is usually a State natural resource or fish and wildlife agency. https://www.fws.gov/coastal/coastalgrants/pdfs/FY2018NCWG_NoticeAndInstructions.pdf
US FWS/CDFW - Section 6	31-Jan-17	annual solicitation; dependent on federal allocation	\$2 million	25% non-fed	\$400,000	3 years	10-Aug-17	Daniel Applebee, 209-588-1879, Daniel.Applebee@wildlife.ca.gov	TBD	Outreach, management plans, studies, restoration, real estate/acquisition.	District, Non-Profit partners, facility owners	To be eligible for ESCR funding, the project must address the conservation of federally listed endangered, threatened, candidate, proposed, or recently recovered species.
BOR WaterSMART Cooperative Watershed Management Program	15-Feb-17	Dependent on annual federal budget allocation	\$1.75 million	minimum 50% required	\$100,000	2 years	May	irene Hoiby 303-445-2025 ihoiby@usbr.gov	Develop or implement watershed management plan.	Project Management	District, Non-Profit partners, facility owners	Applications may be accepted electronically through grants.gov or hard copies may be submitted via mail; https://www.usbr.gov/watersmart/cwmp/
BOR WaterSMART Drought Contingency	14-Feb-17	Dependent on annual federal budget allocation	\$1-2 million	minimum 50% required	\$200,000	2 years	May	Rupal Shah 303-445-2442 rshah@usbr.gov	TBD	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	States, Indian tribes, irrigation districts, water districts, and other organizations with water or power delivery authority located in the 17 Western United States and hawaii are eligible for the funding opportunity. https://www.usbr.gov/newsroom/newsrelease/detail.cfm?RecordID=57256
BOR WaterSMART Drought Resiliency	14-Feb-17	Dependent on annual federal budget allocation	\$2-3 million	50% non-federal required	Up to \$300,000 for projects completed in two years; up to \$750,000 for projects completed in 3 years	2-3 years	May	Michael Dieterich 303-445-2484 mdieterich@usbr.gov	TBD	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	The drought resiliency projects fundign opportunity is for projects that will increase the reliability of water supply; improve water managemetn; implement systems to facilitate the voluntary sale, transfer, or exchange of water; and provide benefits for fish, wildlife, and the environment to mitigate impacts caused by drought.
BOR WaterSMART Water Conservation and Energy Efficiency	Jan-April 2017	Dependent on annual federal budget allocation	TBD	50%	\$75,000-\$1 million	3 years	June	TBD	Revised in PSN.	Robles, Real Estate, Water supply design plans (outreach, partnership scoping and planning, develop strategy).	District, Non-Profit partners, facility owners	
BOR Water Marketing Strategy	19-Apr-17	TBD	TBD	50%	\$200,000-\$400,000	24-36 months	Jun-17	Irene Hoiby Grants Management Specialist Phone 303-445-2025	States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority located in the Western United States. Board resolution. NO more than 35 pages.	Robles, Real Estate, Water supply design plans (outreach, partnership scoping and planning, develop strategy).	District, Non-Profit partners, facility owners	Through this grant program, Reclamation will provide grants to conduct planning activities in developing a water marketing strategy to establish or expand water markets or water marketing transactions. Water marketing refers to water rights transactions, include the lease, sale or exchange of water rights, undertaken in accordance with state and federal laws, between willing buyers and sellers. A water market refers to a formal arrangement, based on a set of rules and/or water management agreements, to allow for water rights transactions within a specific geographic area. A "water marketing strategy" consists of planning activities including engineering, hydrologic, legal, economic, and other types of analysis, and the development of rules, legal agreements, software and logistical arrangements for water marketing.
Federal Highway Administration Bridge Replacement and Rehabilitation Program	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Doug Blades Office of Bridges and Structures 202-366-4622 E-mail douglas.blades@dot.gov	TBD	Bridges (bridges, roadway and other: Right of way as part of Real Estate).	District, Non-Profit partners, facility owners	https://www.fhwa.dot.gov/bridge/051592.cfm

National Resource Conservation Service EQUIP	rolling deadline	2014-2018 (authorized by 2014 Farm Bill)	TBD	TBD	\$450,000	TBD	TBD	Dawn Afman (805) 984 2358, ext. 101. Dawn.Afman@ca.usda.gov. Fax 1-844-206-7057. 3550 S. Harbor Blvd. Ste. 2-202 Oxnard CA 93035	Landowner cooperation.	Bridges, Roads, Levees, Robles.	District, Non-Profit partners, facility owners	Agricultural nexus.
STATE												
CDFW FRGP	4-May-17	renewed annually	\$14 million federal, \$2.2 state	cost share matrix	n/a		Feb-18	Patty Forbes (916) 327-8842 patty.forbes@wildlife.ca.gov	Provisional access. 65% design minimum for implementation. PSN available online.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	Fisheries Pacific Coastal Salmon Recovery Funding, may not be reupped.
CDFW SHRRRC	4-May-17	renewed annually	\$260,000	cost share matrix	n/a	2 years	Feb-18	Farhat Bajjaliya (916) 327-8855, farhat.bajjaliya@wildlife.ca.gov.	Provisional access. 65% design minimum for implementation. PSN available online.	Bridges, Dam Removal	District, Non-Profit partners, facility owners	
CDFW Drought	31-Jul-15	unknown	\$1.5 million	cost share matrix	n/a	June 16 - Mar 18		Patty Forbes, 916-327-8842, patty.forbes@wildlife.ca.gov Kevin Shaffer, 916-327-8841,	Provisional access. 65% design minimum for implementation. PSN available online.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	
CDFW Prop 1 Watershed Restoration	Jun-17	2014-2054	\$24 million	more = better	n/a	3 years	Nov-17	WatershedGrants@Wildlife.ca.gov	Provisional access. 65% design minimum for implementation. PSN to be finalized shortly.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	TBD - Sant Ana Good Fit
IRWM Prop 1 - Implementation	"Early 2018"	2014-2054	\$418 million	50% local cost share	n/a	3 years + O&M	TBD	DWR's Financial Assistance Branch: (916) 651-9613 DWR_IRWM@water.ca.gov.	O&M burden. 50% non state match.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	
IRWM Prop 1 - Disadvantaged Communities	1-Mar-17	2014-2054	\$51 million (\$9.8 mil for LA)	0% local cost share	less than \$4 million to be competitive		"Upon Proposal Approval"	DWR's Financial Assistance Branch: (916) 651-9613 DWR_IRWM@water.ca.gov.	PSN available.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	
CA Finance Coordinating Committee	various	various	NA	NA	NA	NA	NA	For general CFCC inquiries please e-mail: ibank@ibank.ca.gov	NA	NA	District, Non-Profit partners, facility owners	San Bernardino Funding Fair in Aug 2017 (http://cfcc.ca.gov/funding_fairs.htm)
Wildlife Conservation Board CA Streamflow enhancement	Aug-17	2014-2054	\$38.4 million	TBD	TBD	3 years	Dec-17	wcbstreamflow@wildlife.ca.gov	Awaiting updated PSN for 2018.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	
Wildlife Conservation Board Regular	Quarterly Board Meetings	Prop 40 - until funds expended (\$89 mil); Prop 50 - until funds expended (\$865,943 left for LA/Ventura); Prop 84 - \$132,303 left.; Prop 1E - \$33,978 left	Riparian, Wetland and habitat enhancement programs have different budget allocations	TBD	TBD	Depends of program	Quarterly	Peter Perrine 916-445-1109; 916-445-8448; Peter.Perrine@wildlife.ca.gov	Variou guidelines for the respective Riparian, Wetland, and Habitat Enhancement programs are available at https://wcb.ca.gov/programs	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	
SCC Prop 1	Apr-17	2014-2054	\$15 million	25% = 3 pts, 50% = 5 pts.	n/a	5 years	Nov-17	Joan Cardellino, 510-286-4093, joan.cardellino@scc.ca.gov	Guidelines document: http://scc.ca.gov/webmaster/ftp/pdf/scbb/2016/1609/20160929Board04B_Rev_SCC_Prop_1_Grant_Guidelines_Ex1.pdf	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	new RFP to be released in February
SCC Climate Ready	17-Nov-14	2012-2015 (3 years, \$7.3 mil)	\$1.35 million	25% = 3 pts, 50% = 5 pts.	\$500,000	2 years	Mar-15	Joan Cardellino, 510-286-4093, joan.cardellino@scc.ca.gov	Awaiting new announcement. Meet Strategic Plan objectives.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	
Southern California Wetlands Recovery Project - Community Wetland Restoration Grant Program	31-Jan-17	"Going forward, the Wildlife Conservation Board, the State Coastal Conservnacy, and the Earth Island Institute will be funding the CWRGP for the next three years."	TBD for 2018	n/a	\$30,000	TBD	15-Jun-17	Shawn Kelly, skelly@scwrp.org; 805-628-9459	Be identified on the workplan.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	provides funding for community-based restoration projects in coastal wetlands and watersheds in the southern California region
Urban Greening Grant Program/California River Parkways Program	1-May-17	SB 32 - through 2030	\$76 million	0%, but match will help competitiveness.	None		2017, with possibility of 2018 round.	Phone: (916) 653-2812 Email: urbangreening@resources.ca.gov	CEQA compliance, Division 13 (commencing with Section 21000); willing seller (acquisitions); labor codes; Provide public access, where feasible; located in an urban area is defined as a geographic area designated or defined as urban by an applicable plan covering the project area, including, but not limited to general plans, specific plans, or community plans; Provide direct benefits to the urban area such as walkability and/or functionality (i.e., no impediments such as a freeway with no under/over passing, river with no pedestrian crossing, storm water capture that does not directly benefit the urban area, etc.); Track and report performance metric data about GHG reductions and other co-benefits. Engage with the local community to develop the project; Comply with the Model Water Efficient Landscape Ordinance (MWELo) or local agency landscape water ordinance (if as strict or stricter) and use low water, drought tolerant plantings (This program does not fund high water plantings); provide multiple benefits (economic, environmental, and social) to the community.	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	
California Federal Lands Access Program	6-Apr-17	2016-2020 (5 years, \$1.3 billion, authorized under the FAST Act)	\$70 million	11.47%		2 years	September	Christopher Longley, CFLHD's Access Program Coordinator at (720) 963-3733 or Christopher.Longley@dot.gov or Morgan Malley, CFLHD Transportation Planner at (720) 963-3605 or Morgan.Malley@dot.gov	TBD	Bridges	District, Non-Profit partners, facility owners	Support of the pertinent Federal Land Management Agencies required. Eligible applicants include State, county, tribal, or city government agencies that own or maintain the transportation facility. Camino Cielo planning and Santa Ana Construction
ENVIRONMENTAL ENHANCEMENT AND MITIGATION PROGRAM	Concept May 31, 2017, Full June 21, 2017	renewed annually	\$7 million (60% Go southern counties)	Not required, but more competitive.	\$500,000 general, \$1 million acquisition	TBD	Mar-18	Phone: (916) 653-2812 Email: eemcoordinator@resources.ca.gov	Signage, willing seller, parcels need to be contiguous. Establish and demonstrate a direct or indirect relationship between the EEM project and the modification or construction of a RTF. RTF must have an adverse impact on the environment. EEM project must be different from the RTF and mitigate the environmental damage caused by the RTF. If in or near the right-of-way, must be compatible with and not interfere with the operation or safety of the RTF. Not limit currently planned or anticipated future improvements to the RTF. Must comply with the Model Water Efficient Landscape Ordinance (MWELo) or local agency landscape water ordinance (if as strict or stricter than MWELo) and use low water, drought tolerant plantings. If the EEM project is on State-owned right of way, applicable State design and construction standards and practices must apply. If off State-owned right of way, applicable design and construction standards and practices of the local government shall apply. Encroachment permits obtained before construction may begin on a project. Letters of support must be submitted with the application. For encroachment permits, evidence that the entity with jurisdiction (including Caltrans) is aware of the project and willing to work with the applicant to issue the permit, must be submitted with the application. CEQA Compliance must be complete for the proposed EEM project and final compliance documents submitted to the Agency with the grant application.	Real Estate (<\$1 million for acquisition)	District, Non-Profit partners, facility owners	You should budget \$10,000 for an appraisal for acquisition. Eligible EEM projects must fit one of the following categories: A. Urban Forestry projects designed to offset vehicular emissions of carbon dioxide. B. Resource Lands projects for the acquisition or enhancement of resource lands to mitigate the loss of, or the detriment to, resource lands lying within or near the right-of-way acquired for transportation improvements. C. Mitigation Projects Beyond the Scope of the Lead Agency responsible for assessing the environmental impact of the proposed transportation improvement.
LOCAL												
City of Ventura	The City of Ventura's beaches will benefit from the sediment transport to the coastline. Avenues should be explored as to how they can support the project, that will benefit the City's beaches.											
County of Ventura	Transportation Funding (Measure AA): Although voters did not pass this measure in 2016, there remains an unmet need for local transportation funding. Deficient transportation infrastructure such as the two bridges included in the Project may be eligible for this type of local funding. The Funding Subcommittee recommends ongoing conversations with Ventura County Transportation Commission staff regarding this possibility.											

City of Oxnard	The City of Oxnard's beaches will benefit from the sediment transport to the coastline. Avenues should be explored as to how they can support the project, that will benefit the City's beaches.											
Ventura County Watershed Protection Act	The Ventura County Watershed Protection Act is the enabling legislation which established the Ventura County Flood Control District in 1947. Matilija Dam was the first project completed under this act. VCWPD currently collects a fee on property taxes which are levied pursuant to Section 12 of this act. This legislation also provides that the Board of Supervisors may levy an additional tax in Zone 1, which is where Matilija Dam is located, for the purpose of financing the repair or removal of Matilija Dam. This tax is not to exceed five cents (\$0.05) on each one hundred dollars (\$100) of the assessed valuation of the taxable property in Zone 1. The VCWPD calculated the taxable assessed value for Zone 1 at \$9,102,991,537. A fee of 0.05 per \$100 would raise \$4,551,496 per year for dam removal. This will require a two thirds majority for voter approval.											
Municipal Bonding	The taxes levied through the abovementioned Ventura County Watershed Protection Act, could be used to pay off debt incurred by taking out a municipal bond to support the Project. Ventura County could explore this possibility with Stifel Financial Corp., a wealth management and investment banking firm with local experience assisting municipalities in neighboring Santa Barbara and Los Angeles Counties.											
Private Foundations												
NFWF Los Padres National Forest – Wildfires Restoration Grant Program	24-Feb-17	2016-2020 (5 years, \$11 million)	\$3 million	50% required, 1:1 preferred	Grant awards will range from \$25,000 to \$500,000	18 months	Apr-17	Jim/James Bond Jim.Bond@nfwf.org; 415-243-3107	Nexus to Fire	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	This grant program focuses on watersheds and ecosystems affected by the Zaca, Piru, and Jesusita fires.
NFWF Wells Fargo Environmental Solutions for Communities	10-Dec-14	2012-2017 (5 years, \$15 mil)	\$2.5 million	1:1 preferred	grants will range from \$25,000 to \$100,000	18 months	Jun-15	Sarah McIntosh, 202-595-2434 Sarah.McIntosh@nfwf.org Carrie Clingan, 202-595-2471 Carrie.Clingan@nfwf.org	Community benefit	Dam Removal, bridges, Robles, Levees	District, Non-Profit partners, facility owners	
NFWF Impact Directed Environmental Accounts (IDEA)	New	CA-ILF est. Oct 2014, proposal accepted semi-annually	TBD	TBD	TBD	TBD	TBD	Stephanie TomCoupe 415-243-3103 Liz Epstein 415-243-3102	TBD	TBD	District, Non-Profit partners, facility owners	
Marisla	15-Apr-17	ongoing	Various scales	NA	TBD	2 years	Quarterly	Margaret Lauer: peggy@marisla.org	TBD	TBD	District, Non-Profit partners, facility owners	promote the conservation of biological diversity and advance sustainable ecosystem management. Primary emphasis is on marine resources conservation with a geographic focus on the western North America, Chile, and the western Pacific.
Annenberg	rolling deadline	ongoing	Various scales	NA	\$100,000	1 year	rolling	requests@annenberg.org (213) 403-3110	TBD	TBD	District, Non-Profit partners, facility owners	We give priority to nonprofit organizations serving the Los Angeles, Ventura, Orange, Riverside and San Bernardino Counties
Resources Legacy Fund	ongoing	ongoing	Various scales	NA	TBD	TBD	rolling	Julie Turrini Jturrini@resourceslegacyfund.org	TBD	TBD	District, Non-Profit partners, facility owners	Open Rivers Fund, other prgrams too.
Mead Foundation	April/September	ongoing	Various scales	NA	TBD	TBD	rolling	TBD	TBD	TBD	District, Non-Profit partners, facility owners	generally have as their primary emphasis forestry, fisheries and the sustainable use of natural resources in western North America. Proposals invited to apply must first submit a Letter of Interest (LOI), and if approved, will be asked to submit a
Santa Barbara Community Foundation	17-Jul-17	ongoing	Various scales	TBD	\$20,000	TBD	September	Sharyn Main, smain@sbfoundation.org	TBD	TBD	District, Non-Profit partners, facility owners	The LEAF Initiative seeks to advance regional strategies to increase land conservation, improve ecosystem health, ensure agricultural viability and improve the local food system.
Ventura County Community Foundation	TBD	ongoing	Various scales	TBD	TBD	TBD	TBD	Phone: (805) 988-0196 Email: vccf@vccf.org	TBD	TBD	District, Non-Profit partners, facility owners	VCCF accepts proposals only in response to an open Request for Proposals (RFP); they also have a "permanent endowment program."
Corporate and Other												
JP Morgan Chase	rolling deadline	ongoing	TBD	TBD	TBD	TBD	TBD	Antonio Manning, email: West.Giving@jpmchase.com	TBD	TBD	District, Non-Profit partners, facility owners	JPMorgan Chase accepts unsolicited grant proposals in the form of an online Letter of Inquiry (LOI). JPMorgan Chase is the founding sponsor of NatureVest, an initiative of The Nature Conservancy focused on deal generation, capital deployment and thought leadership in the conservation finance space.
Orvis - matching grants program	1-Apr-16	ongoing	TBD	TBD	TBD	TBD	Various	Ms. Daryl Kenny, kennyd@orvis.com, 802-362-8779	TBD	TBD	District, Non-Profit partners, facility owners	two-stage selection process: 1) evaluation of Project Briefs submitted by all applicants, 2) selection of Finalists who are invited to submit a comprehensive Grant Proposal.
Patagonia	rolling deadline	ongoing	TBD	0-50%	Ranging	TBD	Various	Hans Cole Hans.Cole@patagonia.com Tel 805-653-0288	TBD	TBD	District, Non-Profit partners, facility owners	
Capital Campaign	1.) Govt. grants/taxes. Set aside, PACs >\$1M; 2.) 10x foundations \$500k; 3.) Outreach											
FUNDRAISING												
Private Fundraising Events	None	NA	NA	NA	NA	NA	TBD	TBD	Legal Entity to receive private funding.	All	District, Non-Profit partners, facility owners	
Merchandise Sales	Bottles, t-shirts, etc. is better as a marketing, brand awareness tool then revenue generator. Markup on items is about 100% or more depending on item. Water bottles are estimated to cost \$3, and sold for \$10. T-shirts cost about \$13, and are projected to be sold for \$25 or \$30, hats cost about \$10, with a mark up of \$20 or \$25. This can potentially gross \$8,000 a year on retail sales, projecting a \$4,000 net. However, there have been many campaigns - DAPL water is life, Clintons' 'Nasty Woman' or Warren's 'Yet still she persisted', etc. - that are pumping t-shirts (either themselves or other third party sellers) for their cause. We have a good message/design with the scissor line for Matilija, with great merchandizing potential. Capacity and time to manage and execute, would have to be considered, especially concerning the potentially nominal returns.											
Foundation to accept funding	Options include a Memorandum of Understanding, Public Private Partnership, Trust Fund, and/or Joint Powers Authority, etc.											
Donate Button on a Website	Need to confirm which website will house this option, and who will receive and manage funds accordingly.											
Crowdsourcing & Campaigns	Need to confirm governance structure for Project implementation, and who will receive and manage private funds accordingly.											
Mitigation												
Ojai Valley Land Conservancy	This group has an established in-lieu fee program on the Ventura River. While it is possible to establish a program for the Project, the first priority will be to use the existing framework since these programs require considerable time and effort to establish.											
SoCal Wetlands Recovery Project	The State Coastal Conservancy SCWRP In-Lieu Fee Program: This program will meet multiple federal and state agencies' mitigation needs for authorized unavoidable impacts to aquatic resources while also creating a funding source for aquatic resource restoration projects in Southern California. SCC staff is currently working with the program's Interagency Review Team to complete program development. SCC expects that mitigation credits will be available for sale under the program in early 2018. Program revenue from credit sales will go directly into funding eligible restoration projects drawn from the Southern California Wetland Recovery Project's 'Work Plan' http://scwrp.org/grants/work-plan/ . Matilija Dam is listed as three separate projects in the work plan: Matilija Dam Ecosystem Restoration Program: Pre-Construction Removal Engineering and Design; Matilija Dam Removal Feasibility Study; and, Matilija Dam Evaluation Project. Project components with discrete elements that can be separately budgeted, implemented within 3 years and monitored, can qualify as mitigation transactions (see criteria http://scwrp.org/project-evaluation-criteria/).											
Caltrans	This program has specific requirements regarding acceptable projects and the type of mitigation credits required. As a Caltrans funding alternative to advance mitigation dollars, priority projects may be presented to the Southern California Fish Passage Advisory Committee (FishPAC) to identify a capital project nearby that needs offset. To comply with the Streets and Highway Code (Senate Bill 857), Caltrans must report on salmon and steelhead passage to the legislature. To satisfy the legislature, Caltrans has facilitated regional FISH PACS to target fish passage projects. Discrete project elements may be presented to the FISHPAC. Further, because of the need to show gains in salmonid recovery, advocacy by project stakeholders can be effective. Caltrans appreciates the enterprise, administrative oversight and expertise that NGO's bring to fish passage projects and are often willing to supply the funding. Their preference is for bridges that are ideal for longer term 75-100 year objectives. Camino Cielo and Santa Ana Bridge components should be discussed in more detail with Caltrans staff, as there is a Highway 33 nexus.											
USFWS Conservation Banking	Guided by the USFWS 2016 directives, USFWS is moving to recommend mitigation more broadly. Mitigation commitments related to the Ventura River include those specified in the Flood Control Bi-op, which have a rolling implementation and permittee (County) responsible mechanism that would allow contribution to the Matilija restoration components. The County vegetation removal efforts around highway 101 and the homeless encampment project also fall in this category.											
USFWS NRDAR	The Ventura Field Office, along with representatives from CDFW, NOAA, California Department of Parks and Recreation, and California State Lands Commission, are responsible for assessing the damage from the Refugio Bay Oil Spill and completing a habitat equivalency analysis (HEA – scaling restoration to injury by area, type and time). These agencies are currently working cooperatively with the pipeline company on a settlement offer, which includes the prioritization of projects to mitigate for the specific environmental injury. If a negotiated settlement is not reached in this timeframe, the matter will be referred for legal settlement. Settlement negotiations should conclude in the spring of 2017 with the release of a Damage Assessment and Restoration Plan (DARP) for public comment. The Funding Subcommittee will engage to ensure that the Project is captured as an eligible program for restitution funding that will likely be administered through a Trustee Council, such as the Santa Clara River Trustee Council. This is a potential avenue for unrestricted matching funds for all Project components, with a preference for implementation components.											
Legislative Opportunities												
ASSEMBLY												
AB 18 - Garcia	California Water Quality, Coastal Protection, and Outdoor Access Improvement Act of 2016. This bill would declare the intent of the Legislature to enact the California Water Quality, Coastal Protection, and Outdoor Access Improvement Act of 2016, which would authorize the issuance of bonds to finance a water quality, coastal protection, and outdoor access improvement program. Passed out of Assembl, in Senate Rules Committee for assignment.											
AB 1 - Fazier	https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB1											
AB 277 - Mathis	Water and Wastewater Loan and Grant Program. This bill would establish the Water and Wastewater Loan and Grant Program and authorize a county to apply to the State Water Board for a grant to award loans or grants, or both, and a qualified nonprofit organization to apply to the board for a grant to award grants to residents and to small water systems, as prescribed. Amended and re-referred to As. Appropriations Committee.											
AB 1558 - Garcia	Urban river restoration program. This bill would require the State Water Resources Control Board and the department, in collaboration, to establish a program to support urban communities in restoring their rivers for multiple benefits. The bill would, if the Couy of Los Angeles submits a proposal for a project for urban river restoration in the watershed of the Los Angeles River, require board and the department to consider the proposal as a pilot project. Set to be heard in Asm Water, Parks & Wildlife.											
AB 1630 - Bloom	California Transportation Plan: wildlife movement and barriers to passage. This bill would authorize the Department of Fish and Wildlife to pursue development of a programmatic environmental review process with appropriate state and federal regulatory agencies for remediating barriers to wildlife crossing projects. Amended and set to bbe heard in Asm Water, Parks & Wildlife Committee on April 4, 2017.											
AB 975 - Friedman	Natural Resources: wild and scenic rivers. This bill will make modest but important improvements in the protection and management of the 1,362 miles of rivers and streams in the California Wild and Scenic Rivers System. AB 975 accomplishes this by bringing state mangement more in line with the higher level of protection to rivers in the National Wild and Scenic Rivers System. Amended and re-referred to Asm Appropriations Committee.											

SENATE	
SB 5 - de Leon	California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018. This bill would enact the California Drought, Eater, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, which, if approved by the voters, would authorize the issuance of bonds in an amount of \$3,000,000,000 pursuant to the State Genral Obligation Bond Law for finance drought, water, parks, climate, coastal protection, and outdoor access for all program. Amended and referre to Sen Appropriations Committee.
SB 1 - Beall	Transportation
SB 667 - Atkins	DWR: Riverine and Riparian Stewardship Improvements. This bill, upon an appropriation of funds from the Legislature, would require the department to establish a program to implemetn watershed-based riverineand riparian stewardship improvements by providing technical and financial assisatnace in suppor t of projects withe certain benefits. The bill would require the program to support the purposes of and be coordinated with the Urban Stream Restoration Program, fish passage improvements, and other similar programs. Set for hearing in Sen Natural Resources and Water Committee on April 25.
SCA 4 - Hertzberg	Water Conservation. This measure would declare the intent of the Legislature to amend the California Constitution to provide a program that would ensure that affordable water is available to all Californians and to ensure that water conservatio is given a permanent role in California's future. Pending Sen Rules Committee.
SB 231 - Hertzberg	Local Government Finance. This bill would amend the Governmetn Code for local government finance to define the term 'sewer' to include stormwater and allow local agencies to finance projects for both wastewater and stormwater. Set to be heard in Sen Governance and Finance Committee on April 5.
SB 780 - Weiner	Water Conservation in Landscaping Act
SB 50 - Allen & SB 49 -	SB 50, as amended, Allen. Federal public lands: conveyances. Existing law vests the authority over public lands owned by the state with the State Lands Commission. Existing federal law authorizes federal agencies to convey federal public lands under certain circumstances. This bill would establish, except as provided, a policy of the state to discourage conveyances of federal public lands in California from the federal government. The bill would specify that these conveyances are void ab initio unless the commission is provided with the right of first refusal or the right to arrange the transfer to a 3rd party. The bill would require the commission, the Wildlife Conservation Board, and the Department of Fish and Wildlife to enter into a memorandum of understanding establishing a state policy that they will undertake all feasible efforts to protect against future unauthorized conveyances of federal public lands or any change in federal public land designation. The bill would authorize the commission to seek declaratory and injunctive relief in a court of competent jurisdiction to contest these conveyances. The bill would, except as provided, prohibit the commission and a recorder of a county in which the federal public land to be transferred is situated from recording a deed, instrument, or other document related to the conveyance that is void ab initio and would subject a person who violates this prohibition to a civil penalty not to exceed \$5,000. By increasing the duties of the county recorder's office, this bill would impose a state-mandated local program. The bill would prohibit a person from filing a deed, instrument, or other document related to the conveyance of federal public land that is void ab initio and would subject a person who violates this prohibition to a civil penalty not to exceed \$5,000. The bill would require the commission to ensure that transferees of federal public lands in the state are solely responsible for all the costs associated with managing those lands as well as developing infrastructure necessary for all future uses of those lands. The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement. This bill would provide that no reimbursement is required by this act for a specified reason.
SB 49 - de Leon and Stern	Existing state law regulates the discharge of air pollutants into the atmosphere. The Porter-Cologne Water Quality Control Act regulates the discharge of pollutants into the waters of the state. The California Safe Drinking Water Act establishes standards for drinking water and regulates drinking water systems. The California Endangered Species Act requires the Fish and Game Commission to establish a list of endangered species and a list of threatened species and generally prohibits the taking of those species. The Protect California Air Act of 2003 prohibits air quality management districts and air pollution control districts from amending or revising their new source review rules or regulations to be less stringent than those rules or regulations that existed on December 30, 2002, except under certain circumstances. That act requires the state board to provide on its Internet Web site, and in writing for purchase by the public, a copy of the federal new source review regulations as they read on December 30, 2002, and a related document. This bill would prohibit state or local agencies from amending or revising their rules and regulations implementing the above state laws to be less stringent than the baseline federal standards, as defined, and would require specified agencies to take prescribed actions to maintain and enforce certain requirements and standards pertaining to air, water, and protected species. The bill would make conforming changes to the Protect California Air Act of 2003. By imposing new duties on local agencies, this bill would impose a state-mandated local program.

Appendix II AECOM Preliminary Implementation Cost Estimates



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To:
Julie Turrini
Resource Legacy Fund
Director/Attorney, Lands
555 Capitol Mall, Suite 1095
Sacramento, CA 95814

CC:
Peter Sheydayi (VCPWA)
Hans Cole (Funding Committee)

Project name:
Matilija Dam Removal

Project ref:
RLF Program: ORF
Contract Number: 11834

From:
Seth Gentzler, PE (AECOM)
John Roadifer, PE (AECOM)
Shannon Leonard (AECOM)

Date:
April 25, 2017

Memorandum

Subject: Matilija Dam Removal Project – Preliminary Implementation Cost Estimate

1. Purpose

The purpose of this memorandum is to describe the methods and summarize the results of preliminary implementation cost estimate developed for the Matilija Dam Removal Project. The budget includes planning level rough order-of-magnitude estimates for all aspects of project implementation through the end of construction, and associated monitoring and adaptive management activities.

2. Organization of this Memorandum

The organization below summarizes primary section headings and subheadings.

- **Section 1: Purpose** – defines the purpose of this memorandum
- **Section 2: Organization of this Memorandum** – outlines organization of this memorandum
- **Section 3: Budget Estimate Line Items** – summarizes the organization of the budget estimate, with descriptions of primary budget categories and associated line items
- **Section 4: Methods and Key Assumptions** – summarizes methods and key assumptions used in development of the budget estimate
- **Section 5: Budget Estimate Summary** – summarizes overall budget estimate and discusses primary differences from the implementation estimate provided in the 2004 Feasibility Study
- **Section 6: References**

3. Budget Estimate Line Items

Per the project scope of work, the following tasks and activities were considered during development of the budget estimate, in order to capture all aspects of project planning, design and implementation.

- Develop the Dam Removal Concept 2 (DCR-2) design, and all associated technical analyses, to a level required to address all aspects of CEQA/NEPA and project permits

- Revisit downstream mitigations and the real estate plan based on updated analyses
- Develop draft and final CEQA/NEPA document and project permits
- Complete final PS&E of downstream project mitigations at Santa Ana Bridge, Camino Cielo Bridge, Meiners Oaks Levee, Live Oak Acres Levee, Casitas Springs Levee, and Robles High Flow Bypass
- Develop design-build package for dam removal
- Develop final water supply contingency designs
- Implement the real estate plan
- Implement the downstream project mitigations
- Implement dam removal
- Implement site restoration, monitoring and adaptive management plan

Based on these considerations and activities, the following budget headings and line items were selected for the cost estimate summary table provided in Section 5.

- **Program Management:** includes Program/Project Management, Owner Legal Support, and Public Outreach and Grant Management for the life of the project
- **Pre-Construction:** includes Technical Studies, Environmental Compliance (CEQA/NEPA and Permitting), Dam Removal Design, Downstream Project Components (Santa Ana Bridge, Camino Cielo Bridge, Meiners Oaks Levee, Live Oak Acres Levee, Casitas Springs Levee, and Robles High Flow Bypass), Water Supply Design Plans, and Real Estate/Utility Relocations
- **Construction:** includes Contract Procurement, CM, Insp, and Bio Monitoring and the Construction Contract costs for Dam Removal and Downstream Project Components (Santa Ana Bridge, Camino Cielo Bridge, Meiners Oaks Levee, Live Oak Acres Levee, Casitas Springs Levee, and Robles High Flow Bypass),
- **Post-Construction:** includes Native Plant Restoration, Post-Construction Monitoring, and Adaptive Management/Contingency
- **TOTAL:** the total of the above line items

The budget was further divided across the columns into several phases based on when the costs would occur over the project lifetime. The following project phases were selected for the cost estimate summary table provided in Section 5.

- **Prop 1:** includes the funds provided by the CDFW Proposition 1 grant
- **Planning & Design Post Prop 1:** includes additional planning and design tasks that are not covered by the Proposition 1 grant funds
- **Construction:** includes the construction phase spending
- **Post-Construction:** includes spending for post-construction activities
- **Sub-total (2017) (does not incl. Prop 1 funds):** the subtotal of all additional funds that need to be secured in present value
- **Work Start Year:** the estimated work start year for each line item
- **Escalated Sub-total (does not incl. Prop 1 funds):** the subtotal of all additional funds that need to be secured in escalated future value

4. Methods and Key Assumptions

4.1 Key Assumptions

For many project components, previous estimates developed by others were leveraged for this exercise. In each case, estimates were escalated from the development date to 2017 dollars. Below is a list of components and associated references:

1. Real Estate: previous estimates from Appendix G, Real Estate Plan of the Draft EIS/R (USACE 2004b)
2. Dam Removal Concept 2: previous construction estimate from AECOM and Stillwater Sciences (2016)
3. Downstream Mitigation: previous construction estimates from 2004 Feasibility Report (USACE 2004)
4. Santa Ana Bridge: previous construction estimate from 2016 100% design (Quincy Engineering 2016)
5. Camino Cielo Bridge: previous construction estimate from 2010 Draft Alternatives Analysis (VCWPD 2010) and the 2010 Draft Matilija Ecosystem Restoration – Camino Cielo Bridge Replacement – Alternatives Analysis (VCE Services, Inc. 2010)
6. Foster Park Wells: previous construction estimate from 2007 90% design (used to estimate design costs only)

The U.S. Army Corps of Engineers civil works construction cost index system (USACE 2016) and the U.S. Bureau of Reclamations construction cost trends data (USBR 2016) were used to calculate escalation rates for specific line item categories. For each category, the worst case escalation rate from the two references was used. The list below summarizes escalation rates utilized in development of the estimate:

- Construction escalation from 2004 to 2016: 59%
- Construction escalation from 2007 to 2016: 31%
- Construction escalation from 2009 to 2016: 19%
- Construction escalation from 2015 to 2016: 3%
- Real estate escalation from 2004 to 2016: 139%
- Labor escalation from 2011 to 2016: 16% (when previous project budget estimates were leveraged)
- Labor escalation from 2015 to 2016: 3% (when previous project budget estimates were leveraged)

For future projections of cost, the escalation rates below were developed based on the annual average historical rates since 2004.

- Construction cost projection: 3.0% per year
- Real estate cost projection: 4.6% per year
- Labor cost projection: 3.0% per year

Another key assumption was that the dam removal project would be bid using the design-build alternative delivery procurement approach. This approach assumes that the design-builder would complete the final design documents, in addition to completing the associated construction.

Several other pertinent assumptions are listed below:

- 2004 Feasibility Report Cost Estimates are applicable to more recent designs (Casitas Springs Levee, High Flow Bypass)
- No real estate acquisition identified in 2004 Real Estate Plan has yet occurred
- Costs for Arundo removal, recreation, and design changes due to any increase in sediment deposition are not included

- Water supply mitigation (including Foster Park wells) would proceed through design, and only be implemented as part of adaptive management
- Geotechnical field studies and seismic and structural analyses are complete for High Flow Bypass, Meiners Oaks Levee, Live Oaks Levee, all potential new wells, and Santa Ana Bridge. These studies are included in the Dam Removal 65% Design costs for Camino Cielo Bridge. Additional studies are needed to support Casitas Springs Levee design.
- New siltation basin on Casitas Canal is no longer included in the project.

4.2 Planning & Engineering

Budget estimates for dam removal feasibility and detailed design (up to 65%) and compliance with the California Environmental Quality Act (CEQA) and U.S. Environmental Protection Agency's National Environmental Policy Act (NEPA) were taken directly from the 2016 Proposition 1 grant application submitted to the California Department of Fish and Wildlife. Budget estimates for regulatory permitting and associated pre-construction surveys were developed based on related project experience on similar projects, adding in a 10% contingency.

For the downstream mitigation projects referenced above, as well as the water supply mitigation project, detailed design costs were developed assuming 10% of estimated construction costs for those projects. With the exception that the Santa Ana bridge, which is at 100% design, does not include any additional design costs. Also, Meiners Oaks Levee, Live Oaks Levee, High Flow Bypass, and Foster Park wells, which have 90% designs, have final design costs as either 4% or 6.1% of estimated construction costs.

Budget estimates from relevant project experience were leveraged in development of costs associated with design build procurement for the dam removal project.

4.3 Implementation

Budget estimates for Real Estate leveraged previous estimates from the 2004 Draft EIS/R (USACE 2004b), however real estate costs associated with project components no longer being considered were removed (e.g., slurry line and disposal sites acquisition).

Downstream mitigation project construction estimates were leveraged from previous work and escalated according to 2017 dollars:

- 2004 Feasibility Report for Casitas Springs levee and Robles high flow bypass
- 2007 90% design estimate for Foster Park well improvement
- 2010 alternatives analysis for Camino Cielo bridge
- 2016 100% design estimate for Santa Ana bridge

For Meiners Oaks and Live Oaks levees, quantity take offs from the 90% plans and recent unit costs were used to generate rough order-of-magnitude costs for these two components.

For dam removal, the construction estimates from AECOM and Stillwater Sciences (2016) and AECOM (2016) were used.

For dam and reservoir site restoration, an estimate for non-natives removal, passive seeding (from existing seed bank), and no irrigation was developed based on estimated level of effort and recent labor rates.

Budget estimates from relevant project experience were leveraged in development of costs associated with monitoring.

Adaptive management was estimated as 15% of construction costs.

Construction management was estimated at 10% of construction costs.

Owner program/project management, owner legal support, and public outreach were estimated at based on the duration of needed support and the estimate salary costs for personnel.

5. Budget Estimate Summary

The budget estimate was prepared based on two different project schedules: v2 and v3. The v2 schedule assumes all the downstream mitigation projects are constructed in the same year, that dam removal proceeds the following year, and that there is no waiting period for a flushing event. The v3 schedule, stretches the project timeline such that each downstream mitigation project is constructed during a series of consecutive years, that the dam removal proceeds once all mitigations are complete, and that there will be a three year wait for the flushing event. In addition, the Alternative 4b costs in the 2004 Feasibility Report were escalated to current dollars to provide a comparison to the previous alternative. The table below summarizes the total cost for each version of the project.

V2 Schedule		V3 Schedule		Alternative 4b
(2017)	(Future)	(2017)	(Future)	(2017)
\$111,200,837	\$136,672,337	\$113,031,537	\$148,460,000	\$205,825,200

The following attachments provide summary tables and costs over time for each version of the schedule.

- Attachment 1: Summary Table – v2 schedule
- Attachment 2: v2 Schedule
- Attachment 3: Cost per Year Table – v2 schedule
- Attachment 4: Cost per Year Chart – v2 schedule
- Attachment 5: Summary Table – v3 schedule
- Attachment 6: v3 Schedule
- Attachment 7: Cost per Year Table – v3 schedule
- Attachment 8: Cost per Year Chart – v3 schedule
- Attachment 9: 2004 Feasibility Report Escalated Costs

6. References

- AECOM, 2016. Water Supply Mitigation Options Evaluation Report, prepared for the Ventura County Watershed Protection District, March.
- AECOM and Stillwater Sciences, 2016. Dam Removal Concepts Evaluation Report, prepared for the Ventura County Watershed Protection District, March.
- Parsons Brinkerhoff, 2009. Foster Park Well Improvements – Nos. 12 & 13, Drawings, Specifications and Estimate.
- Quincy Engineering, 2016. Santa Ana Blvd. Bridge Replacement, Construction Drawings and Estimate.
- TetraTech and U.S. Army Corps of Engineers 2013, Matilija Ecosystem Restoration – Robles Diversion Dam Restoration, 90% construction drawings. Undated; assumed to be from February 2013.
- U.S. Army Corps of Engineers, 2004a. Matilija Dam Ecosystem Feasibility Study Final Report, September.
- U.S. Army Corps of Engineers, 2004b. Draft Environmental Impact Statement/Environmental Impact Report, F-5 Milestone for the Matilija Dam Ecosystem Restoration Project, July.
- U.S. Army Corps of Engineers 2008, Matilija Ecosystem Restoration – Meiners Oak and Live Oak Levees, 90% construction drawings. Undated; assumed to be from December 2008.
- U.S. Army Corps of Engineers, 2016. Civil Works Construction Cost Index System, EM 1110-2-1304, Amendment #9, September. <http://www.publications.usace.army.mil/USACE-Publications/Engineer-Manuals/u43544q/31333034/>
- U.S. Bureau of Reclamation, 2016. Construction Cost Trends, <https://www.usbr.gov/tsc/techreferences/mands/cct.html>.
- VCE Services, Inc. 2010. Draft Matilija Ecosystem Restoration – Camino Cielo Bridge Replacement – Alternatives Analysis. June 23.
- Ventura County Watershed Protection District (VCWPD), 2010. Matilija Dam Ecosystem Restoration Project Camino Cielo Bridge Replacement Alternatives Analysis, Project No. 81918 Draft Report, March.

Attachments

Matilija Dam Removal Project
Preliminary Implementation Cost Estimate - v2 Schedule
Date: 4/12/17

Task	Prop 1	Planning & Design Post Prop 1	Construction	Post-Construction	Sub-total (2017) (does not incl. Prop 1 funds)	Work Start Year	Escalated Sub-total (does not incl. Prop 1 funds)
Program Management	\$ 422,000	\$ 2,806,000	\$ 1,996,000	\$ 2,252,000	\$ 7,054,000		\$ 14,016,000
Program/Project Management	\$ -	\$ 930,000	\$ 688,000	\$ 2,252,000	\$ 3,870,000	throughout	\$ 4,833,000
Owner Legal Support	\$ -	\$ 1,488,000	\$ 1,101,000	\$ -	\$ 2,589,000	throughout	\$ 7,733,000
Public Outreach and Grant Management	\$ 422,000	\$ 388,000	\$ 207,000	\$ -	\$ 595,000	throughout	\$ 1,450,000
Pre-Construction	\$ 2,914,034	\$ 24,385,337	\$ -	\$ -	\$ 24,385,337		\$ 28,594,337
Technical Studies	\$ 860,374	\$ 202,337			\$ 202,337	2017	\$ 202,337
Environmental Compliance							
CEQA/NEPA	\$ 697,747	\$ -			\$ -	2018	\$ -
Permitting	\$ 58,971	\$ 3,178,000			\$ 3,178,000	2019	\$ 3,473,000
Dam Removal Design	\$ 771,019	\$ 1,076,000			\$ 1,076,000	30%: 2018 65%: 2019 100%: 2020	\$ 1,212,000
Downstream Project Components							
Santa Ana Bridge	\$ -	\$ -			\$ -	2020	\$ -
Camino Cielo Bridge	\$ 194,135	\$ 409,000			\$ 409,000	2020	\$ 461,000
Meiners Oaks Levee	\$ 42,204	\$ 185,000			\$ 185,000	2020	\$ 209,000
Live Oak Acres Levee	\$ 42,204	\$ 220,000			\$ 220,000	2020	\$ 248,000
Casitas Springs Levee	\$ -	\$ 132,000			\$ 132,000	2020	\$ 150,000
Robles High Flow Bypass	\$ -	\$ 297,000			\$ 297,000	2020	\$ 335,000
Water Supply Design Plans	\$ 194,135	\$ 538,000			\$ 538,000	2020	\$ 607,000
Real Estate/Utility Relocations	\$ 53,245	\$ 18,148,000			\$ 18,148,000	2020	\$ 21,697,000
Construction	\$ -	\$ -	\$ 65,774,000	\$ -	\$ 65,774,000		\$ 77,115,000
Dam Removal							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 2,773,000		\$ 2,773,000	2022	\$ 3,283,000
Construction Contract			\$ 19,182,000		\$ 19,182,000	2022	\$ 22,958,000
Downstream Project Components							
Santa Ana Bridge							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 1,245,500		\$ 1,245,500	2021	\$ 1,447,000
Construction Contract			\$ 9,487,000		\$ 9,487,000	2021	\$ 11,013,000
Camino Cielo Bridge							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 941,500		\$ 941,500	2021	\$ 1,094,000
Construction Contract			\$ 7,038,000		\$ 7,038,000	2021	\$ 8,170,000
Meiners Oaks Levee							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 674,500		\$ 674,500	2021	\$ 784,000
Construction Contract			\$ 4,901,000		\$ 4,901,000	2021	\$ 5,689,000
Live Oak Acres Levee							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 785,500		\$ 785,500	2021	\$ 913,000
Construction Contract			\$ 5,774,000		\$ 5,774,000	2021	\$ 6,703,000
Casitas Springs Levee							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 196,500		\$ 196,500	2021	\$ 230,000
Construction Contract			\$ 1,156,000		\$ 1,156,000	2021	\$ 1,342,000
Robles High Flow Bypass							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 1,357,500		\$ 1,357,500	2021	\$ 1,577,000
Construction Contract			\$ 10,262,000		\$ 10,262,000	2021	\$ 11,912,000
Post-Construction	\$ -	\$ -	\$ -	\$ 13,987,500	\$ 13,987,500		\$ 16,947,000
Native Plant Restoration				\$ 1,589,500	\$ 1,589,500	2024	\$ 2,013,000
Post-Construction Monitoring				\$ 4,208,000	\$ 4,208,000	2024	\$ 5,331,000
Adaptive Management/Contingency (15% of Construction)				\$ 8,190,000	\$ 8,190,000	2024	\$ 9,603,000
TOTAL	\$ 3,336,034	\$ 27,191,337	\$ 67,770,000	\$ 16,239,500	\$ 111,200,837		\$ 136,672,337

check: \$ 111,200,837

Assumptions:

- 2004 Feasibility Report Cost Estimates are applicable to more recent designs (levees, high flow bypass)
- No real estate acquisition identified in 2004 Real Estate Plan has yet occurred
- Costs for Arundo removal, Recreation, and changes due to any increase in sediment deposition are not included
- Water supply mitigation (including Foster Park wells) would proceed through design, and only implemented as part of adaptive management
- Geotechnical field studies, and seismic and structural analyses are complete for High Flow Bypass, Meiners Oaks Levee, Live Oaks Levee, all potential new wells, and Santa Ana Bridge. These studies are included in the Dam Removal 65% Design costs for Camino Cielo Bridge. Additional studies are needed to support Casitas Springs Levee design.
- New siltation basin on Casitas Canal is no longer included in the project
- Escalation rates are based on:
 - Land: Reclamation Construction Cost Trends Land Indexes
 - Construction: Maximum of Reclamation Construction Cost Trends Construction Indexes and USACE Civil Works Construction Costs Indexes
 - Labor: 3% per year

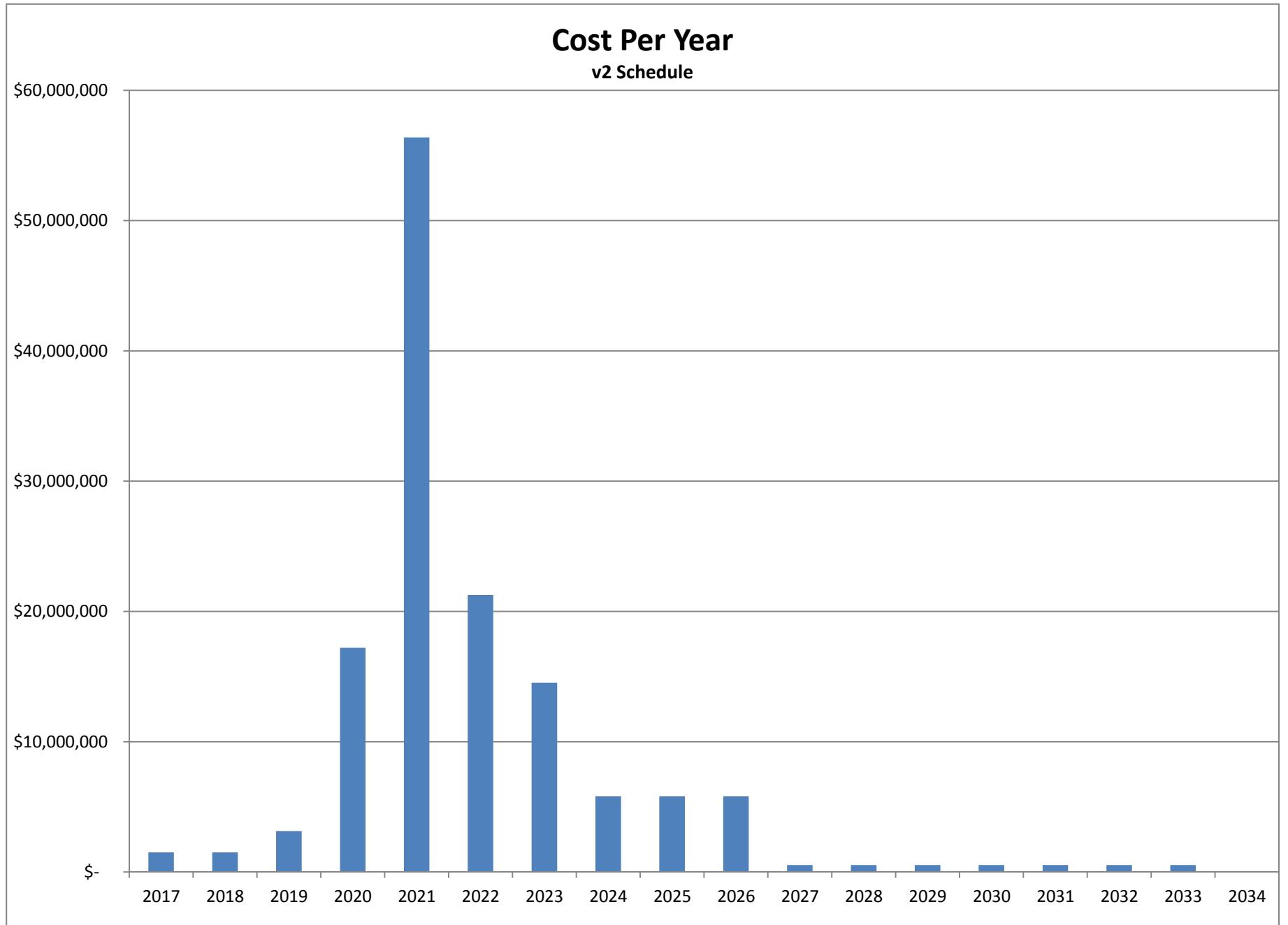
Matilija Dam Removal

Minimum Schedule - No Limit from Funding

ID	Task Name	Duration	Start	Finish	2016				2017				2018				2019				2020				2021				2022				2023				2024				2025				2026			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
1																																																
2	65% Design Contract	780 days	6/1/17	5/27/20																																												
3	Feasibility Study	52 wks	6/1/17	5/30/18																																												
4	30% Design	52 wks	5/31/18	5/29/19																																												
5	65% Design	52 wks	5/30/19	5/27/20																																												
6	CEQA/NEPA	78 wks	11/29/18	5/27/20																																												
7	Permitting	52 wks	11/28/19	11/25/20																																												
8	100% Design	390 days	11/28/19	5/26/21																																												
9	Contract(s) Prep and Approval	26 wks	11/28/19	5/27/20																																												
10	Santa Ana Br	12 wks	5/28/20	8/19/20																																												
11	Camino Cielo Br	52 wks	5/28/20	5/26/21																																												
12	Live Oaks Levee	52 wks	5/28/20	5/26/21																																												
13	Meiners Oaks Levee	52 wks	5/28/20	5/26/21																																												
14	Robles HFB	26 wks	5/28/20	11/25/20																																												
15	Dam	52 wks	5/28/20	5/26/21																																												
16	Real Estate and Utilities	104 wks	5/28/20	5/25/22																																												
17	Construction	980 days	2/18/21	11/20/24																																												
18	Santa Ana Br	52 wks	2/18/21	2/16/22																																												
19	Camino Cielo Br	52 wks	11/25/21	11/23/22																																												
20	Live Oaks Levee	52 wks	11/25/21	11/23/22																																												
21	Meiners Oaks Levee	52 wks	11/25/21	11/23/22																																												
22	Robles HFB	78 wks	5/27/21	11/23/22																																												
23	Dam (assume no waiting period)	104 wks	11/24/22	11/20/24																																												
24	Restoration	52 wks	11/21/24	11/19/25																																												

Matilija Dam Removal Project
Preliminary Implementation Cost Estimate - v2 Schedule
Date: 4/12/17

Task	Work Start Year	Escalated Sub-total (does not incl. Prop 1 funds)	Duration (yr)	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
Program Management		\$ 14,016,000																						
Program/Project Management	2017	\$ 4,833,000	10	\$ 483,300	\$ 483,300	\$ 483,300	\$ 483,300	\$ 483,300	\$ 483,300	\$ 483,300	\$ 483,300	\$ 483,300	\$ 483,300											
Owner Legal Support	2017	\$ 7,733,000	10	\$ 773,300	\$ 773,300	\$ 773,300	\$ 773,300	\$ 773,300	\$ 773,300	\$ 773,300	\$ 773,300	\$ 773,300	\$ 773,300											
Public Outreach and Grant Management	2017	\$ 1,450,000	10	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000	\$ 145,000											
Pre-Construction		\$ 28,594,337																						
Technical Studies	2017	\$ 202,337	2	\$ 101,169	\$ 101,169																			
Environmental Compliance		\$ -																						
CEQA/NEPA	2018	\$ -	2		\$ -	\$ -																		
Permitting	2019	\$ 3,473,000	2			\$ 1,736,500	\$ 1,736,500																	
Dam Removal Design	2020	\$ 1,212,000	1				\$ 1,212,000																	
Downstream Project Components		\$ -																						
Santa Ana Bridge	2020	\$ -	1				\$ -																	
Camino Cielo Bridge	2020	\$ 461,000	1				\$ 461,000																	
Meiners Oaks Levee	2020	\$ 209,000	1				\$ 209,000																	
Live Oak Acres Levee	2020	\$ 248,000	1				\$ 248,000																	
Casitas Springs Levee	2020	\$ 150,000	1				\$ 150,000																	
Robles High Flow Bypass	2020	\$ 335,000	1				\$ 335,000																	
Water Supply Design Plans	2020	\$ 607,000	1				\$ 607,000																	
Real Estate/Utility Relocations	2020	\$ 21,697,000	2				\$ 10,848,500	\$ 10,848,500																
Construction		\$ 77,115,000																						
Dam Removal		\$ -																						
Contract Procurement, CM, Insp, and Bio Monitoring	2022	\$ 3,283,000	2						\$ 1,641,500	\$ 1,641,500														
Construction Contract	2022	\$ 22,958,000	2						\$ 11,479,000	\$ 11,479,000														
Downstream Project Components		\$ -																						
Santa Ana Bridge		\$ -																						
Contract Procurement, CM, Insp, and Bio Monitoring	2021	\$ 1,447,000	1					\$ 1,447,000																
Construction Contract	2021	\$ 11,013,000	1					\$ 11,013,000																
Camino Cielo Bridge		\$ -																						
Contract Procurement, CM, Insp, and Bio Monitoring	2021	\$ 1,094,000	1					\$ 1,094,000																
Construction Contract	2021	\$ 8,170,000	1					\$ 8,170,000																
Meiners Oaks Levee		\$ -																						
Contract Procurement, CM, Insp, and Bio Monitoring	2021	\$ 784,000	1					\$ 784,000																
Construction Contract	2021	\$ 5,689,000	1					\$ 5,689,000																
Live Oak Acres Levee		\$ -																						
Contract Procurement, CM, Insp, and Bio Monitoring	2021	\$ 913,000	1					\$ 913,000																
Construction Contract	2021	\$ 6,703,000	1					\$ 6,703,000																
Casitas Springs Levee		\$ -																						
Contract Procurement, CM, Insp, and Bio Monitoring	2021	\$ 230,000	1					\$ 230,000																
Construction Contract	2021	\$ 1,342,000	1					\$ 1,342,000																
Robles High Flow Bypass		\$ -																						
Contract Procurement, CM, Insp, and Bio Monitoring	2021	\$ 1,577,000	2					\$ 788,500	\$ 788,500															
Construction Contract	2021	\$ 11,912,000	2					\$ 5,956,000	\$ 5,956,000															
Post-Construction		\$ 16,947,000																						
Native Plant Restoration	2024	\$ 2,013,000	3								\$ 671,000	\$ 671,000	\$ 671,000											
Post-Construction Monitoring	2024	\$ 5,331,000	10								\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	
Adaptive Management/Contingency (15% of Construction)	2024	\$ 9,603,000	3								\$ 3,201,000	\$ 3,201,000	\$ 3,201,000											
TOTAL		\$ 136,672,337		\$ 1,502,769	\$ 1,502,769	\$ 3,138,100	\$ 17,208,600	\$ 56,379,600	\$ 21,266,600	\$ 14,522,100	\$ 5,806,700	\$ 5,806,700	\$ 5,806,700	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ 533,100	\$ -	\$ -	\$ -



Matilija Dam Removal Project
Preliminary Implementation Cost Estimate - v3 schedule
Date: 4/12/17

Task	Prop 1	Planning & Design Post Prop 1	Construction	Post-Construction	Sub-total (2017) (does not incl. Prop 1 funds)	Work Start Year	Escalated Sub-total (does not incl. Prop 1 funds)
Program Management	\$ 422,000	\$ 2,806,000	\$ 4,860,000	\$ 2,253,000	\$ 9,919,000		\$ 18,749,000
Program/Project Management	\$ -	\$ 930,000	\$ 1,676,000	\$ 2,253,000	\$ 4,859,000	throughout	\$ 6,465,000
Owner Legal Support	\$ -	\$ 1,488,000	\$ 2,681,000	\$ -	\$ 4,169,000	throughout	\$ 10,344,000
Public Outreach and Grant Management	\$ 422,000	\$ 388,000	\$ 503,000	\$ -	\$ 891,000	throughout	\$ 1,940,000
Pre-Construction	\$ 2,914,034	\$ 24,385,337	\$ -	\$ -	\$ 24,385,337		\$ 28,392,000
Technical Studies	\$ 860,374	\$ 202,337			\$ 202,337	2017	\$ -
Environmental Compliance							
CEQA/NEPA	\$ 697,747	\$ -			\$ -	2018	\$ -
Permitting	\$ 58,971	\$ 3,178,000			\$ 3,178,000	2019	\$ 3,473,000
Dam Removal Design	\$ 771,019	\$ 1,076,000			\$ 1,076,000	30%: 2018 65%: 2019 100%: 2020	\$ 1,212,000
Downstream Project Components							
Santa Ana Bridge	\$ -	\$ -			\$ -	2020	\$ -
Camino Cielo Bridge	\$ 194,135	\$ 409,000			\$ 409,000	2020	\$ 461,000
Meiners Oaks Levee	\$ 42,204	\$ 185,000			\$ 185,000	2020	\$ 209,000
Live Oak Acres Levee	\$ 42,204	\$ 220,000			\$ 220,000	2020	\$ 248,000
Casitas Springs Levee	\$ -	\$ 132,000			\$ 132,000	2020	\$ 150,000
Robles High Flow Bypass	\$ -	\$ 297,000			\$ 297,000	2020	\$ 335,000
Water Supply Design Plans	\$ 194,135	\$ 538,000			\$ 538,000	2020	\$ 607,000
Real Estate/Utility Relocations	\$ 53,245	\$ 18,148,000			\$ 18,148,000	2020	\$ 21,697,000
Construction	\$ -	\$ -	\$ 64,865,000	\$ -	\$ 64,865,000		\$ 82,040,000
Dam Removal							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 2,773,000		\$ 2,773,000	2026	\$ 3,625,000
Construction Contract			\$ 19,182,000		\$ 19,182,000	2026	\$ 25,858,000
Downstream Project Components							
Santa Ana Bridge							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 1,245,500		\$ 1,245,500	2021	\$ 1,447,000
Construction Contract			\$ 9,487,000		\$ 9,487,000	2021	\$ 11,013,000
Camino Cielo Bridge							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 941,500		\$ 941,500	2022	\$ 1,127,000
Construction Contract			\$ 7,038,000		\$ 7,038,000	2022	\$ 8,417,000
Meiners Oaks Levee							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 674,500		\$ 674,500	2024	\$ 857,000
Construction Contract			\$ 4,901,000		\$ 4,901,000	2024	\$ 5,883,000
Live Oak Acres Levee							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 785,500		\$ 785,500	2023	\$ 969,000
Construction Contract			\$ 5,774,000		\$ 5,774,000	2023	\$ 7,114,000
Casitas Springs Levee							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 188,500		\$ 188,500	2024	\$ 241,000
Construction Contract			\$ 1,090,000		\$ 1,090,000	2024	\$ 1,384,000
Robles High Flow Bypass							
Contract Procurement, CM, Insp, and Bio Monitoring			\$ 1,263,500		\$ 1,263,500	2025	\$ 1,653,000
Construction Contract			\$ 9,521,000		\$ 9,521,000	2025	\$ 12,452,000
Post-Construction	\$ -	\$ -	\$ -	\$ 13,862,200	\$ 13,862,200		\$ 19,279,000
Native Plant Restoration				\$ 1,585,200	\$ 1,585,200	2031	\$ 2,471,000
Post-Construction Monitoring				\$ 4,208,000	\$ 4,208,000	2032	\$ 6,556,000
Adaptive Management/Contingency (15% of Construction)				\$ 8,069,000	\$ 8,069,000	2032	\$ 10,252,000
TOTAL	\$ 3,336,034	\$ 27,191,337	\$ 69,725,000	\$ 16,115,200	\$ 113,031,537		\$ 148,460,000

check: \$ 113,031,537

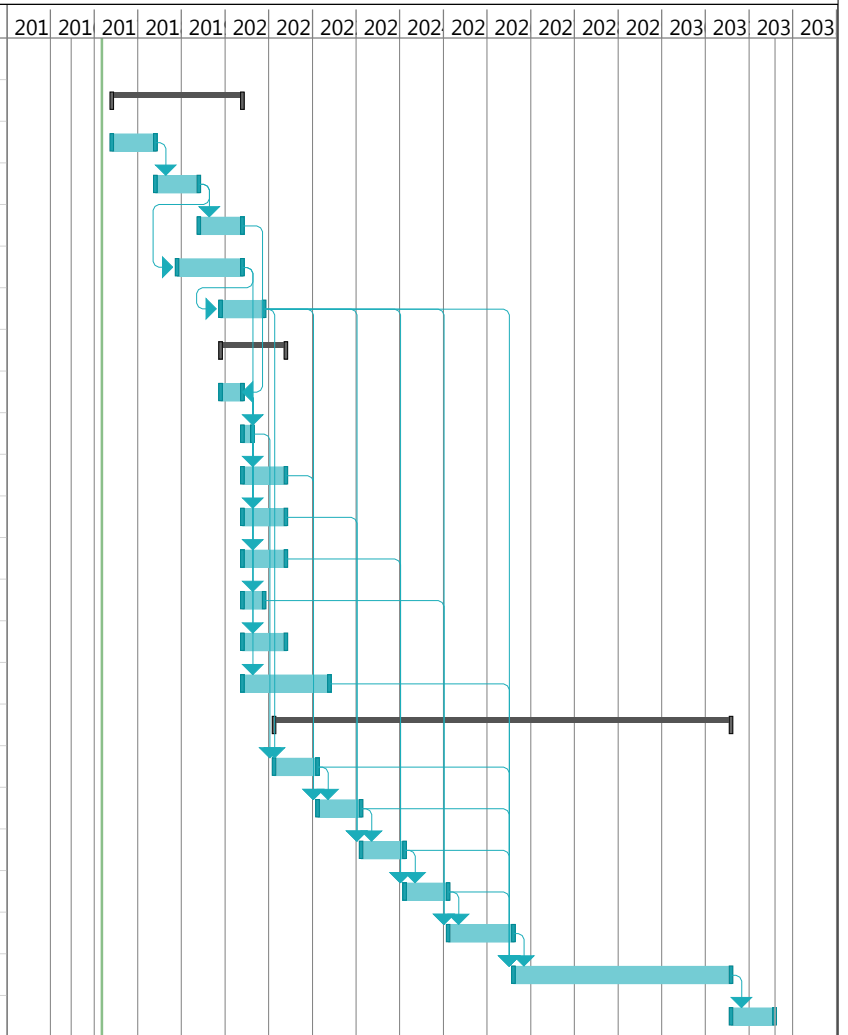
Assumptions:

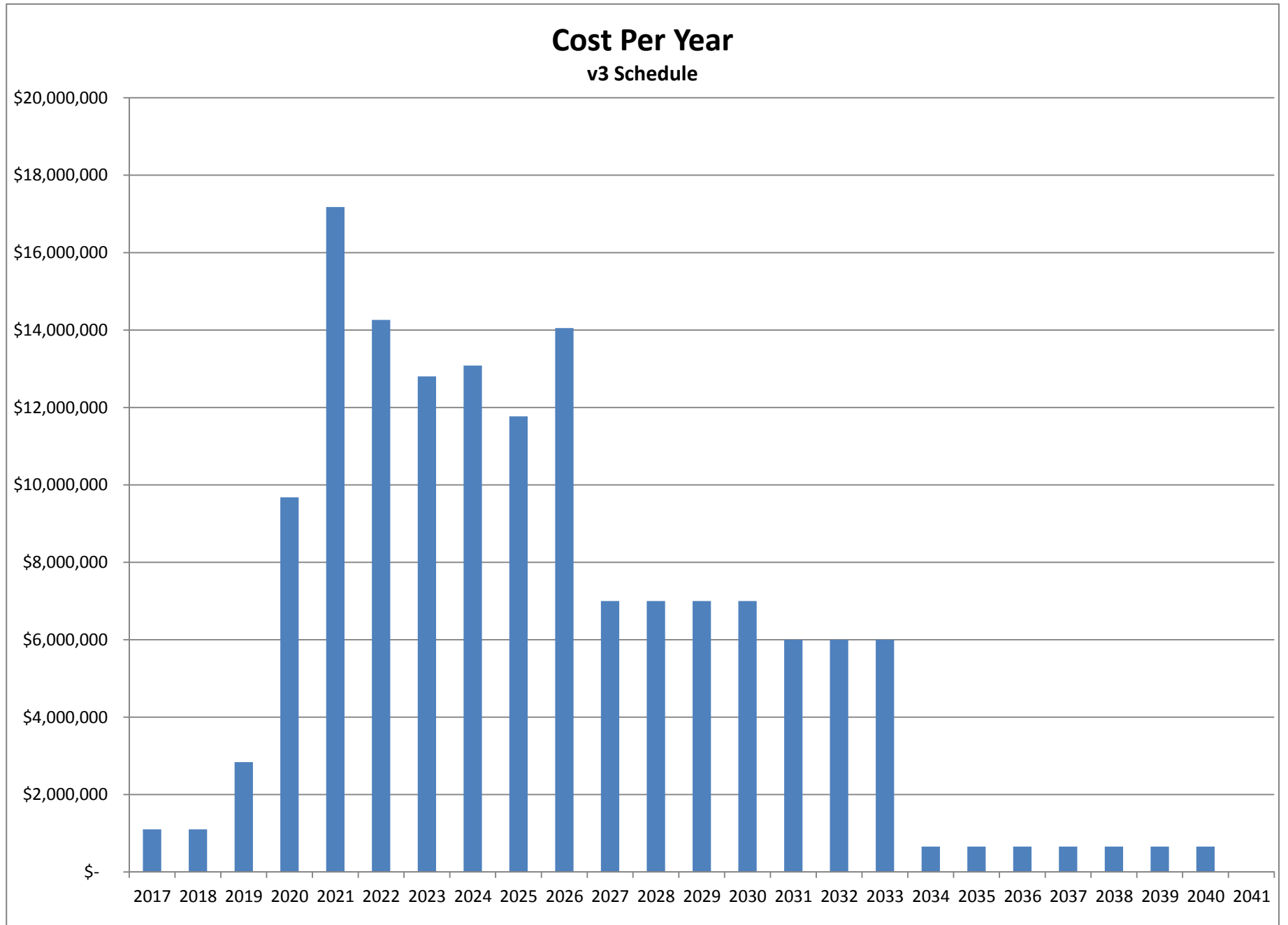
- 2004 Feasibility Report Cost Estimates are applicable to more recent designs (levees, high flow bypass)
- No real estate acquisition identified in 2004 Real Estate Plan has yet occurred
- Costs for Arundo removal, Recreation, and changes due to any increase in sediment deposition are not included
- Water supply mitigation (including Foster Park wells) would proceed through design, and only implemented as part of adaptive management
- Geotechnical field studies, and seismic and structural analyses are complete for High Flow Bypass, Meiners Oaks Levee, Live Oaks Levee, all potential new wells, and Santa Ana Bridge. These studies are included in the Dam Removal 65% Design costs for Camino Cielo Bridge. Additional studies are needed to support Casitas Springs Levee design.
- New siltation basin on Casitas Canal is no longer included in the project
- Escalation rates are based on:
 - Land: Reclamation Construction Cost Trends Land Indexes
 - Construction: Maximum of Reclamation Construction Cost Trends Construction Indexes and USACE Civil Works Construction Costs Indexes
 - Labor: 3% per year

Matilija Dam Removal

Sequential Construction Contracts

ID	Task Name	Duration	Start	Finish	201	201	201	201	201	202	202	202	202	202	202	202	202	202	202	202	203	203	203	203
1																								
2	65% Design Contract	780 days	6/1/17	5/27/20																				
3	Feasibility Study	52 wks	6/1/17	5/30/18																				
4	30% Design	52 wks	5/31/18	5/29/19																				
5	65% Design	52 wks	5/30/19	5/27/20																				
6	CEQA/NEPA	78 wks	11/29/18	5/27/20																				
7	Permitting	52 wks	11/28/19	11/25/20																				
8	100% Design	390 days	11/28/19	5/26/21																				
9	Contract(s) Prep and Approval	26 wks	11/28/19	5/27/20																				
10	Santa Ana Br	12 wks	5/28/20	8/19/20																				
11	Camino Cielo Br	52 wks	5/28/20	5/26/21																				
12	Live Oaks Levee	52 wks	5/28/20	5/26/21																				
13	Meiners Oaks Levee	52 wks	5/28/20	5/26/21																				
14	Robles HFB	26 wks	5/28/20	11/25/20																				
15	Dam	52 wks	5/28/20	5/26/21																				
16	Real Estate and Utilities	104 wks	5/28/20	5/25/22																				
17	Construction	2730 days	2/18/21	8/6/31																				
18	Santa Ana Br	52 wks	2/18/21	2/16/22																				
19	Camino Cielo Br	52 wks	2/17/22	2/15/23																				
20	Live Oaks Levee	52 wks	2/16/23	2/14/24																				
21	Meiners Oaks Levee	52 wks	2/15/24	2/12/25																				
22	Robles HFB	78 wks	2/13/25	8/12/26																				
23	Dam (assume 3 year waiting period)	260 wks	8/13/26	8/6/31																				
24	Restoration	52 wks	8/7/31	8/4/32																				







Consumption Report

Water Sales FY 2017-2018 (Acre-Feet)

Classification	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Month to Date	
													2017 / 2018	2016 / 2017
													Total	Total
AD Ag-Domestic	494	464	477	440	351	316	120	202					2,866	2,499
AG Ag	363	345	318	320	225	218	97	147					2,033	1,830
C Commercial	79	80	173	174	58	80	39	44					727	310
DI Interdepartmental	11	9	9	11	6	7	3	5					60	45
F fire	0	0	0	0	0	0	0	0					0	0
I Industrial	1	1	2	2	1	1	1	1					10	6
OT Other	24	25	39	38	21	18	14	12					190	99
R Residential	124	122	390	353	182	230	132	148					1,681	672
RS - P Resale Pumped	46	46	56	53	50	49	45	40					385	1,040
RS - G Resale Gravity	213	160	147	167	130	212	140	297					1,467	1,699
TE Temporary	1	1	3	2	3	1	1	2					14	11
Total	1,356	1,253	1,614	1,561	1,028	1,132	592	898	0	0	0	0	9,435	8,212
CMWD	1,356	1,253	1,227	1,184	902	953	498	800						
OJAI	0	0	386	377	126	179	94	98						
Total 2016 / 2017	1,562	1,528	1,586	1,295	1,001	689	355	195	338	970	1,086	1,286	N/A	11,891



CFD No. 2013-1 (Ojai) - Cost Analysis

	Services & Suplies	Legal Fees	Labor Expense	Other Services	Total Expenses
2011 / 2012	0.00	42,560.00	11,098.37	0.00	53,658.37
2012 / 2013	831.82	223,462.77	14,836.68	0.00	239,131.27
2013 / 2014	29.89	91,878.06	3,835.65	0.00	95,743.60
2014 / 2015	0.00	68,457.10	0.00	0.00	68,457.10
2015 / 2016	6.12	152,811.84	2,938.86	0.00	155,756.82
2016 / 2017	110.54	352,965.75	48,725.29	0.00	401,801.58
July	0.00	2,472.00	9,968.94	0.00	12,440.94
August	0.00	609.50	3,184.37	0.00	3,793.87
September	0.00	529.50	0.00	0.00	529.50
October	0.00	210.00	667.43	0.00	877.43
November	0.00	4,919.22	333.71	0.00	5,252.93
December	0.00	206.00	0.00	0.00	206.00
January	0.00	1,133.00	0.00	0.00	1,133.00
Feburary	0.00	0.00	0.00	0.00	0.00
March					
April					
May					
June					
Total YTD Cost	0.00	10,079.22	14,154.45	0.00	24,233.67
Total Cost	978.37	942,214.74	95,589.30	0.00	1,038,782.41
Less: Scanned Document Revenue			2012 / 2013		-289.50
Less: Tax Assessment - County of Ventura:			2015 / 2016		-460,342.64
Less: Tax Assessment - County of Ventura:			2016 / 2017		-464,386.26
Less: Bond Pre-Payments					-92,470.36
Less: Reimbursable District Staff Cost Bond Pre-payment					-36,000.00
Total CMWD CFD 2013-1 Cost					-14,416.85

**CASITAS MUNICIPAL WATER DISTRICT
TREASURER'S MONTHLY REPORT OF INVESTMENTS
04/03/18**

Type of Invest	Institution	CUSIP	Date of Maturity	Adjusted Cost	Current Mkt Value	Rate of Interest	Date of Deposit	% of Portfolio	Days to Maturity
*TB	Farmer MAC	31315PYF0	5/2/2028	\$511,970	\$490,410	2.925%	11/20/2017	2.43%	3629
*TB	Federal Farm CR Bank	3133EGZW8	10/25/2024	\$833,918	\$790,605	2.014%	10/25/2016	3.92%	2362
*TB	Federal Farm CR Bank	31331VWN2	4/13/2026	\$900,381	\$839,968	1.901%	5/9/2016	4.16%	2890
*TB	Federal Farm CR Bank	3133EFK71	3/9/2026	\$852,169	\$822,738	2.790%	3/28/2016	4.08%	2856
*TB	Federal Farm CR Bank	3133EFYH4	2/8/2027	\$1,013,468	\$973,400	3.000%	3/24/2016	4.82%	3185
*TB	Federal Farm CR Bank	3133EGWD	9/29/2027	\$694,629	\$643,277	2.354%	11/17/2016	3.19%	3416
*TB	Farmer MAC	3133EPPH7	2/12/2029	\$480,187	\$458,751	2.710%	11/20/2017	2.27%	3909
*TB	Federal Home Loan Bank	3130A3DL	9/8/2023	\$1,569,313	\$1,472,355	1.486%	10/13/2016	7.29%	1955
*TB	Federal Home Loan Bank	313379EE5	6/14/2019	\$1,357,985	\$1,340,955	1.625%	10/3/2012	6.64%	431
*TB	Federal Home Loan Bank	3130A0EN	12/10/2021	\$531,816	\$505,940	1.107%	5/9/2016	2.51%	1327
*TB	Federal Home Loan Bank	3130A5R35	6/13/2025	\$761,300	\$714,793	2.875%	2/19/2016	3.54%	2590
*TB	Federal Home Loan Bank	313383YJ4	9/8/2023	\$462,224	\$428,019	1.203%	7/14/2016	2.12%	1955
*TB	Federal Home Loan Bank	3130A5VW6	7/10/2025	\$1,022,576	\$982,110	2.360%	5/10/2017	4.86%	2617
*TB	Federal Home Loan Bank	3130AIXJ2	6/14/2024	\$921,565	\$848,955	2.875%	8/2/2016	4.20%	2231
*TB	Federal Home Loan Bank	3133XFKF	6/11/2021	\$632,069	\$614,320	5.625%	1/16/2013	3.04%	1148
*TB	Federal Home Loan MTG Corp	3137EADB	1/13/2022	\$673,597	\$659,711	2.375%	9/8/2014	3.27%	1360
*TB	Federal National Assn	31315P2J7	5/1/2024	\$790,764	\$749,889	1.721%	5/1/2016	3.71%	2188
*TB	Federal National Assn	3135G0ZR	9/6/2024	\$1,468,340	\$1,383,966	2.625%	5/25/2016	6.85%	2313
*TB	Federal National Assn	3135G0K3	4/24/2026	\$2,527,250	\$2,366,325	2.125%	5/25/2016	11.72%	2901
*TB	US Treasury Inflation Index NTS	912828JE1	7/15/2018	\$1,151,560	\$1,160,829	1.375%	7/6/2010	5.75%	102
*TB	US Treasury Inflation Index NTS	912828MF	1/15/2020	\$1,153,108	\$1,170,910	1.375%	11/18/2015	5.80%	642
*TB	US Treasury Note	912828WE	11/15/2023	\$768,018	\$771,036	2.750%	12/13/2013	3.82%	2022

Accrued Interest

Total in Gov't Sec. (11-00-1055-00&1065) **\$21,078,206** **\$20,189,260** **99.98%**

Total Certificates of Deposit: (11.13506) **\$0** **\$0** **0.00%**

** **LAIF as of: (11-00-1050-00)** N/A **\$452** **\$452** 1.07% Estimated **0.00%**

*** **COVI as of: (11-00-1060-00)** N/A **\$2,881** **\$2,881** 1.15% Estimated **0.01%**

TOTAL FUNDS INVESTED **\$21,081,539** **\$20,192,593** **100.00%**

Total Funds Invested last report \$21,207,182 \$20,077,229

Total Funds Invested 1 Yr. Ago \$20,177,850 \$19,799,293

**** **CASH IN BANK (11-00-1000-00) EST.** **\$2,347,454** **\$2,347,454**
CASH IN Western Asset Money Market **\$7,764** **\$7,764** 0.19%

TOTAL CASH & INVESTMENTS **\$23,436,758** **\$22,547,812**

TOTAL CASH & INVESTMENTS 1 YR AGO \$25,404,505 \$25,025,948

- *CD CD - Certificate of Deposit
- *TB TB - Federal Treasury Bonds or Bills
- ** Local Agency Investment Fund
- *** County of Ventura Investment Fund
- Estimated interest rate, actual not due at present time.
- **** Cash in bank

No investments were made pursuant to subdivision (i) of Section 53601, Section 53601.1 and subdivision (i) Section 53635 of the Government Code.
All investments were made in accordance with the Treasurer's annual statement of investment policy.