

Board Agenda

Regular Meeting

Thursday, October 14, 2021 Camrosa Board Room 5:00 P.M.

Board of Directors

Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

TO BE HELD REMOTELY

In light of public health responses to the threat of COVID-19 and Governor Newsom's Executive Order N-25-20, the Camrosa office is still closed to the public. Board meetings are accessible to the public <u>only</u> via web-based teleconference, as described below.

To participate via the web to see the board meeting presentation, click https://us02web.zoom.us/j/9235309144 on your computer, tablet, or smartphone. You'll need to download and install the ZOOM app before logging on.

If you'd like to make a comment, you'll have to log in via the app so we can identify you and invite you to participate.

To listen in via phone, call (669) 900-6833; when prompted, enter the meeting ID: 923 530 9144.

Call to Order

Public Comments

At this time, the public may address the Board on any item <u>not</u> appearing on the agenda which is subject to the jurisdiction of the Board. Persons wishing to address the Board should fill out a white comment card and submit it to the Board Chairman prior to the meeting. All comments are subject to a <u>5-minute</u> time limit.

Matters appearing on the Consent Agenda are expected to be non-controversial and will be acted upon by the Board at one time, without discussion, unless a member of Board or the Staff requests an opportunity to address any given item. Items removed from the Consent Agenda will be discussed at the beginning of the Administrative Items. Approval by the Board of Consent Items means that the recommendation of the Staff is approved along with the terms and conditions described in the Board Memorandum.

Consent Agenda

- 1. Approve Minutes of the Regular Meeting of September 23, 2021
- 2. **Approve Vendor Payments

Objective: Approve the payments as presented by Staff.

Action Required: Approve accounts payable in the amount of \$1,764,363.24

Primary Agenda

3. **CEQA Documentation for the Conejo Wellfield GAC Treatment Plant

Objective: Conduct a public hearing regarding the Mitigated Negative Declaration for the Conejo Wellfield Granular Activated Carbon Treatment Plant Project.

Action Required:

- Open a public hearing to receive testimony regarding the draft Initial Study/Mitigated Negative Declaration and the included Mitigation and Monitoring Reporting Program for the Conejo Wellfield GAC Treatment Plant; and
- 2) Close the public hearing; and
- Consider adopting the attached Resolution 21-16 Certifying and Approving the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the Conejo Wellfield GAC Treatment Project.

4. **GAC Mitigation Monitoring and Reporting Program

Objective: Implement the Mitigation Monitoring and Reporting Program (MMRP) for the Conejo Wellfield Granular Activated (GAC) Treatment Plant Project.

Action Required: Approve the change in scope to Provost & Pritchard's existing work to include the MMRP.

5. Ratification of UAL Additional Discretionary Payment

Objective: Ratify UAL Additional Discretionary Payment (ADP).

Action Required: Ratify the UAL Additional Discretionary Payment (ADP) in the amount of \$138,684.00.

6. **Pension Funding Policy

Objective: Update the Pension Funding Policy.

Action Required: Adopt a Resolution of the Board of Directors Updating the Pension Funding Policy.

7. **Reserve Policy

Objective: Update the Reserve Fund Policy.

Action Required: Adopt a Resolution Adopting the Statement of Reserve Policy.

8. **CalPERS Unfunded Accrued Liability

Objective: Receive a briefing regarding the CalPERS Annual Valuation Report as of June 30, 2020.

Action Required: No action necessary; for information only.

9. **Fiscal Year 2020-21 Draft Annual Comprehensive Financial Report

Objective: Receive a briefing from Staff on the Fiscal Year (FY) 2020-21 Draft Annual Comprehensive Financial Report (ACFR).

Action Required: No action necessary; for information only.

CLOSED SESSION: The Board may enter a closed session to confidentially discuss personnel matters as authorized by Government code 54957.

10. Closed Session Conference with Legal Counsel – Personnel

Objective: Confer with and receive advice from counsel regarding personnel matters.

Action Required: No action necessary; for information only.

Primary Agenda (Cont.)

11. Salary Adjustment

Objective: Adjust employee's salary.

Action Required: Authorize the General Manager to increase Josh Smith's salary to \$40.00 per hour.

12. Transfer of Funds to the Arroyo Santa Rosa GSA Bank Account

Objective: Transfer \$150,000.00 to the Arroyo Santa Rosa GSA bank account.

Action Required: Authorize the General Manager to make a transfer of the \$150,000.00 dedicated in the Camrosa Fiscal Year (FY) 2021-2022 budget to fund the activities and professional services associated with the operation of the Arroyo Santa Rosa Basin Ground Water Sustainability Agency (ASRGSA).

CLOSED SESSION: The Board may enter a closed session to confidentially discuss litigation matters as authorized by Government code 54956.9.

13. Closed Session Conference with Legal Counsel – Pending Litigation

Objective: Confer with and receive advice from counsel regarding pending litigation.

Action Required: No action necessary; for information only.

Comments by General Manager; Comments by Directors; Adjournment

PLEASE NOTE: The Board of Directors may hold a closed session to discuss personnel matters or litigation, pursuant to the attorney/client privilege, as authorized by Government Codes. Any of the items that involve pending litigation may require discussion in closed session on the recommendation of the Board's Legal Counsel.

Note: ** indicates agenda items for which a staff report has been prepared or backup information has been provided to the Board. Copies of the full agenda are available for review at the District Office and on our website at www.camrosa.com.



October 14, 2021

Board of Directors Agenda Packet



Board Minutes

Regular Meeting

Thursday, September 23, 2021

Camrosa Board Room 5:00 P.M.

Call to Order The meeting was convened at 5:06 P.M. as a web-based teleconference.

Present: Eugene F. West, President (via teleconference)

Terry L. Foreman, Vice-President (via teleconference)

Jeffrey C. Brown, Director (via teleconference) Timothy H. Hoag, Director (via teleconference)

Absent: Al E. Fox, Director

Staff: Tony Stafford, General Manager (via teleconference)

Ian Prichard, Assistant General Manager (via teleconference)

Tamara Sexton, Finance Manager (via teleconference)

Jozi Zabarsky, Customer Service Manager (via teleconference)

Terry Curson, District Engineer (via teleconference)
Sandra Llamas, Senior Accountant (via teleconference)
Mike Phelps, Water Quality Supervisor (via teleconference)

Greg Jones, Legal Counsel (via teleconference)

Guest: Nitin Patel, Principal, CliftonLarsonAllen, LLP (via teleconference)

Public Comments

None

Consent Agenda

1. Approve Minutes of the Regular Meeting of September 9, 2021

The Board approved the Minutes of the Regular Meeting of September 9, 2021.

Motion: Brown Second: Foreman

Roll Call: Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

Absent: Fox

2. Approve Vendor Payments

A summary of accounts payable in the amount of \$1,478,991.97 was provided for Board information and approval. The Board approved the payments to vendors as presented by staff in the amount of \$1,478,991.97.

Motion: Brown Second: Foreman

Roll Call: Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

Absent: Fox

Board of Directors AI E. Fox Division 1 Jeffrey C. Brown

Division 2 Timothy H. Hoag Division 3 Eugene F. West

Division 4
Terry L. Foreman
Division 5

General Manager Tony L. Stafford

Primary Agenda

3. CEQA Documentation for the Conejo Wellfield GAC Treatment Plant

The Board set a public hearing for October 14, 2021, moving it from the date of September 23, 2021, advertised in the Notice of Intent public notice circulation, to consider adopting the Initial Study/Mitigated Negative Declaration and the included Mitigation and Monitoring Reporting Program for the Conejo Wellfield GAC Treatment Plant.

Motion: Hoag Second: Brown

Roll Call: Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

Absent: Fox

4. Purchase GAC Media for Conejo Wellfield GAC Treatment Plant

The Board authorized the General Manager to issue a purchase order in the amount of \$180,237.32 to AqueoUS Vets for the purchase and installation of granular activated carbon media at the Conejo Wellfield GAC Treatment Plant.

Motion: Foreman Second: Hoag

Roll Call: Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

Absent: Fox

5. Fiscal Year 2020-21 4th Quarter Budget Status Report

The Board received a report from staff regarding the Fiscal Year (FY) 2020-21 4th Quarter budget report and reserves.

No action necessary; for information only.

6. Agreed Upon Procedures on Investment Policy - Scope Revision

The Board received a brief on proposed changes to the Agreed Upon Procedures (AUP) on Investment Policy. The Board did not agree with the deletions.

No action was taken; this agenda item was tabled for a future date.

7. Penny Well – Air Entrainment Remediation

The Board authorized the General Manager to negotiate a contract and issue a purchase order to MNS Corporation, in the amount not-to-exceed \$155,713.00, to provide professional engineering and design services for the removal of entrained air within the Penny Well.

Motion: Hoag Second: Brown

Roll Call: Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

Absent: Fox

Comments by General Manager

None

Comments by Directors

- Director Brown requested staff return to the Board with an analysis of the impact of SB 9 (Atkins).
- Director West remarked on the increased conservation efforts in Metropolitan's service area.

Adjournment There being no further business, the meeting was adjourned at 5:51 P.M. Tony L. Stafford, Secretary/Manager Board of Directors Eugene F. West, President Board of Directors

Camrosa Water District

Camrosa Water District



Board Memorandum

October 14, 2021

To: General Manager

From: Sandra Llamas, Sr. Accountant

Subject: Approve Vendor Payments

Objective: Approve the payments as presented by Staff.

Action Required: Approve accounts payable in the amount of \$1,764,363.24.

Discussion: A summary of accounts payable is provided for Board information and approval.

Payroll PR 9-2, 2021 & ME \$ 112,039.02

Accounts Payable 9/16/2021-10/06/2021 \$ 1,652,324.22

Total Disbursements \$ 1,764,363.24

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Board of Directors

Division 2 Timothy H. Hoag Division 3 Eugene F. West

Division 4 Terry L. Foreman Division 5 General Manager

Tony L. Stafford

Al E. Fox Division 1 Jeffrey C. Brown

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99/22/21 99/22/21 Amazon \$12.26 Hard Drive and RAM for NUC build		FS							
99/22/21 09/22/21 Newegg \$641.34 NUC Barebones Kit for New Hire		FS							
09/22/21 09/22/21 CSMFO \$160.00 (CSMFO Budget review		TDS							
		1.50							

\$10,653.67

Camrosa Water District

Accounts Payable Period:

9/16/2021-10/06/2021

Expense	Account Description	Amount
11100	Accounts Rec-Other	
15773	Deferred Outflows-UAL Prep.	
11700	Meter Inventory	
11900	Prepaid Insurance	
11905	Prepaid Maintenance Ag	
13000	Land	
13400	Construction in Progress	212,799.63
20053	Current LTD Bond 2016	
20052	Current LTD Bond 2012	
20400	Contractor's Retention	-7892.83
20250	Non-Potable Water Purchases	
23001	Refunds Payable	449.21
50110	Payroll FLSA Overtime-Retro	
50010	Water Purchases & SMP	1091164.42
50020	Pumping Power	120022.96
50100	Federal Tax 941 1st QTR	
50136	Required UAL Contribution	
50153	Social Security Tax	
50200	Utilities	4764.80
50210	Communications	4691.03
50220	Outside Contracts	124484.57
50230	Professional Services	20668.35
50240	Pipeline Repairs	10939.96
50250	Small Tool & Equipment	1209.78
50260	Materials & Supplies	31995.83
50270	Repair Parts & Equip Maint	11046.30
50280	Legal Services	
50290	Dues & Subscriptions	22650.00
50300	Conference & Travel	897.41
50310	Safety & Training	1928.32
50330	Board Expenses	
50340	Bad Debt	
50350	Fees & Charges	504.48
50360	Insurance Expense	
50500	Misc Expense	
50600	Fixed Assets	
50700	Interest Expense	
	TOTAL	\$1,652,324.22



CAMROSA

Payment Nun	be Post Date	Vendor Name	Payable Number	Description (Item)	Account Name	Purchase Orde	Amount
Vendor: *CAN	1* - DEPOSIT ONLY	-CAMROSA WTR					
3298	09/23/2021	DEPOSIT ONLY-CAMROSA WTR	9-23-21-PR	Transfer to Disbursements Account-PR	Transfer to disbursements-		180000
3299	09/23/2021	DEPOSIT ONLY-CAMROSA WTR	9-23-21-AP	Transfer to Disbursements Account-AP	Transfer to disbursements-		311000
				Vendo	or *CAM* - DEPOSIT ONLY-CAMR	OSA WTR Total:	491000
57184	10/06/2021	ACWA	2022AnnualFees	2022 Annual Fees	Dues & subscrip		22260
57185	10/05/2021	ALLCABLE	4027688	Sewer Lift Read Rd-MCC Wire	Construction in progress		126.73
57186	09/28/2021	AMERICAN PUBLIC WORKS CONSULTING ENGINEERS, LLC	2021-1	PV Well No. 2 Project Management Services	Construction in progress	FY22-0011	23560
57187	09/28/2021	AMY N WHITE	00001913	Deposit Refund Act 1913 - 5281 Hidalgo St	Refunds payable		15.64
57188	10/06/2021	ANKURA INTERMEDIATE HOLDINGS, LP	CI-041788	Ankura Endpoint Management	Outsd contracts	FY22-0118	12812.5
Vendor: APE0	1 - APEX GENERAL	CONTRACTORS, INC.					
57189	09/29/2021	APEX GENERAL CONTRACTORS, INC.	2139-01	Lobby Remodel	Construction in progress	FY22-0074	35356.6
57189	09/29/2021	APEX GENERAL CONTRACTORS, INC.	2139-1 Retention	Retention Invoice Reference # 2139-1	Contractor's retention		-1767.83
57189	09/28/2021	APEX GENERAL CONTRACTORS, INC.	2139-Permit	Lobby Remodel	Construction in progress	FY22-0074	1392.41
				Vendor AP	PE01 - APEX GENERAL CONTRACT	ORS, INC. Total:	34981.18
57190	10/05/2021	BENNER AND CARPENTER, INC	14711	Well Settlement Survey in SR Basin	Prof services	FY22-0080	3000
57191	10/04/2021	BRYLEN TECHNOLOGIES, INC	41500	Air Flow Calibration for the Fume Hoods	Repair parts & equipment		621.95
Vendor: CALO	3 - CALLEGUAS MU	NICIPAL WATER DISTRICT					
879	10/06/2021	CALLEGUAS MUNICIPAL WATER DISTRICT	096921	Water Purchase	Potable Water purchases		916682.22
879	10/06/2021	CALLEGUAS MUNICIPAL WATER DISTRICT	096921	Water Purchase	CMWD Fixed Charges		78026
879	10/06/2021	CALLEGUAS MUNICIPAL WATER DISTRICT	096921	Water Purchase	Non-PotableWater purchas	es	78539.75
879	10/06/2021	CALLEGUAS MUNICIPAL WATER DISTRICT	2022-00000009	SMP CWD - SMP Sampling Fee	SMP CWD-RMWTP		74
879	10/06/2021	CALLEGUAS MUNICIPAL WATER DISTRICT	SMP099521	SMP CMWD - SMP Pipeline	SMP CWD-RMWTP		16441.62
879	10/06/2021	CALLEGUAS MUNICIPAL WATER DISTRICT	SMP099521	SMP CMWD - SMP Pipeline	SMP CMWD		1400.83
				Vendor CAL03 -	CALLEGUAS MUNICIPAL WATER	DISTRICT Total:	1091164.42
Vendor: CANO	3 - Cannon Corpor	ation					
57192	09/28/2021	Cannon Corporation	77702	Design Generator and Fuel Tank	Construction in progress	FY20-0256-R2	993.75
57192	09/28/2021	Cannon Corporation	77710	Design Services Res 4C Tank	Construction in progress	FY21-0190-R1	5469.75
57192	09/28/2021	Cannon Corporation	77710-2	4C Hydropneumatic Pump Station Design	Construction in progress	FY21-0191-R1	18661.15
57192	10/04/2021	Cannon Corporation	77723	Contract Inspection Services	Outsd contracts	FY22-0081	13935.5
57192	09/28/2021	Cannon Corporation	77724	Design Generator and Fuel Tank	Construction in progress	FY20-0256-R2	196
57192	10/04/2021	Cannon Corporation	77724-1	Contract Inspection Services	Outsd contracts	FY22-0081	980
57192	10/04/2021	Cannon Corporation	77758	Contract Inspection Services	Outsd contracts	FY22-0081	875
57192	10/04/2021	Cannon Corporation	77759	Contract Inspection Services	Outsd contracts	FY22-0081	560
					Vendor CAN03 - Cannon Co	rporation Total:	41671.15
57193	10/06/2021	Central Courier LLC	48967	Courier Service	Outsd contracts		412.54
57194	09/28/2021	CHRISTOPHER MARSH	00000517	Deposit Refund Act 517 - 96 Cottage Grove Av	Refunds payable		46.03
880	09/27/2021	CHRISTOPHER PATACSIL	9-27-21TuitionReimb	VCCCD Tuition Reimbursement 3 Units-2ND HALF	Safety & train		138
Vendor: CIT01	- CITY OF CAMARI	LLO					
57195	10/05/2021	CITY OF CAMARILLO	28830	Alarm System Response	Outsd contracts		153
57195	10/05/2021	CITY OF CAMARILLO	28852	Alarm System Response	Outsd contracts		153
					Vendor CIT01 - CITY OF CA	MARILLO Total:	306
57196	09/29/2021	CLEAN MANAGEMENT ENVIRONMENTAL GROUP, INC.	68037	Hazardous Waste Pickup	Construction in progress	FY22-0002	2070.55
57197	10/05/2021	CLIFTON LARSON ALLEN LLP	3024644	FY20-21 Audit Serv and Investment Agreed Upon Proc	Prof services	FY21-0261-R1	2850

57198	10/04/2021	CORELOGIC INFORMATION SOLUTIONS, INC	30564697	Monthly Assessors Parcel Info-Ventura Cty	Outsd contracts	150
57199	10/01/2021	DIENER'S ELECTRIC, INC	32184	Read Rd MCC Install	Construction in progress FY21-0228-R1	8640
57200	09/28/2021	E.J. HARRISON & SONS INC	1732	Trash Removal - CWRF	Outsd contracts	479.41
57201	10/05/2021	Enhanced Landscape Management, LLC	72184	Landscaping	Construction in progress	1937
881	09/28/2021	ENTERPRISE FLEET SERV INC	FBN4295958	Vehicle Lease	Outsd contracts	7478.77
			1 511 1233330	Vermore Econoc		, ,, ,, ,
57202	101 - FAMCON PIPI 10/01/2021	FAMCON PIPE & SUPPLY, INC	S100060132-003A	Pipeline Repair -WO Ref#14676516	Pipeline repairs	88.62
57202	09/29/2021	FAMCON PIPE & SUPPLY, INC	S100060152-005A S100060567-001	Angle Meter Stops	Repair parts & equipment FY22-0102	3462.03
37202	03/23/2021	PAINCON FIFE & SUFFEI, INC	3100000307-001		dor FAMO1 - FAMCON PIPE & SUPPLY, INC Total:	3550.65
	/ / :				,	
57203	09/28/2021	Frontier Communications	September 2021	VOIP - Land Lines.	Communications	443.37
Vendor: FRU	01 - FRUIT GROWE	RS LAB. INC.				
57204	10/04/2021	FRUIT GROWERS LAB. INC.	109957A	Outside Lab Work for CWRF	Outsd contracts	190
57204	09/27/2021	FRUIT GROWERS LAB. INC.	110676A	Outside lab work for GW monitoring.	Outsd contracts	10910
57204	10/04/2021	FRUIT GROWERS LAB. INC.	110678A	Outside Lab Work for Ground Water Monitoring	Outsd contracts	450
57204	10/04/2021	FRUIT GROWERS LAB. INC.	110874A	Outside Lab work for RMWTP.	Outside Contracts	54
57204	09/28/2021	FRUIT GROWERS LAB. INC.	110983A	Annual Wastewater Plant Analysis	Outsd contracts	3710
57204	09/28/2021	FRUIT GROWERS LAB. INC.	111895A	Outside Lab Work for RMWTP	Outside Contracts	54
57204	09/24/2021	FRUIT GROWERS LAB. INC.	111897A	Outside Lab Work	Outsd contracts	40
57204	09/24/2021	FRUIT GROWERS LAB. INC.	112205A	Outside Lab Work	Outsd contracts	108
57204	10/04/2021	FRUIT GROWERS LAB. INC.	112206A	Outside Lab work for the GAC Project	Construction in progress	69
57204	10/04/2021	FRUIT GROWERS LAB. INC.	112487A	Outside Lab work for the GAC Project	Construction in progress	188
57204	10/04/2021	FRUIT GROWERS LAB. INC.	112992A	Outside Lab work for RMWTP	Outside Contracts	108
57204	10/04/2021	FRUIT GROWERS LAB. INC.	113199A	Outside Lab work for RMWTP.	Outside Contracts	54
				V	Vendor FRU01 - FRUIT GROWERS LAB. INC. Total:	15935
57205	10/01/2021	GENERAL PUMP COMPANY, INC	28850	Lynwood Well Pump Removal and Inspection	Construction in progress FY22-0100	9538
Vendor: HAC	01 - HACH COMPA	NY				
57206	10/05/2021	HACH COMPANY	12641319	Materials & Supplies - Reagents RMWTP	Materials & Supplies-RMWTP	224.92
57206	10/05/2021	HACH COMPANY	12646378	Materials & Supplies - Sample Cells	Materials & supplies	140.39
57206	10/05/2021	HACH COMPANY	12654012	Materials & Supplies - Reagents RMWTP	Materials & Supplies-RMWTP	825.21
57206	10/05/2021	HACH COMPANY	12655527	Materials & Supplies - Reagents Woodcreek	Materials & supplies	723.94
57206	10/05/2021	HACH COMPANY	12658185	Materials & Supplies - Reagents Woodereek Materials & Supplies - Reagents RMWTP	Materials & Supplies-RMWTP	654.4
57206	10/05/2021	HACH COMPANY	12659077	Materials & Supplies - Reagents Woodcreek	Materials & supplies	292.79
57206	10/05/2021	HACH COMPANY	12669126	Annual Hach Analyzer Maintenance	Outsd contracts FY22-0055	6251.12
37200	10,03,2021	TIME! COMITAIN	12003120	7 Militar Hacif 7 Many 201 Mainternance	Vendor HAC01 - HACH COMPANY Total:	9112.77
57207	10/05/2021	HARRIS WATER COND. INC.	October2021	Water Softener-Penny Well	Outsd contracts	74.5
Vendor: HEA	02 - HealthEquity					
882	10/05/2021	HealthEquity	j8dokqr	Consumer Driven Health Savings Plan-Admn Fees	Fees & charges	14.75
882	10/05/2021	HealthEquity	k6pkuqi	Consumer Driven Health Savings Plan-Admn Fees Sept	Fees & charges	14.75
					Vendor HEA02 - HealthEquity Total:	29.5
57208	09/28/2021	HOPKINS GROUNDWATER CONSULTING	11829	Tierra Rejada Well Tasks 2, 3, & 4 only.	Prof services FY21-0138-R1	1400
57209	09/28/2021	JAMES JACOB	00004413	Refund Overpayment Closed Account-1960 Danbury	Refunds payable	119.01
57210	10/05/2021	Janitek Cleaning Solutions-Allstate Cleaning, Inc.	42449A	Janitorial Cleaning Service	Outsd contracts	1655.56
57211	09/28/2021	JENNA R SIMPSON	00000923	Deposit Refund Act 923 - 6328 Corte Lucinda	Refunds payable	27.55
57212	10/01/2021	KAREN MEYER	00008978	Deposit Refund Act 8978 - 82 Calle Cataluna	Refunds payable	2.8
	M01 - McMASTER-		C 1005			
57213	10/05/2021	McMASTER-CARR SUPPLY CO	64995570	Materials & Supplies - Taps & Drills	Materials & supplies	940.03
57213	10/05/2021	McMASTER-CARR SUPPLY CO	65486045	Materials & Supplies - Stainless Steel Hardware	Materials & supplies	788.73
57213	10/05/2021	McMASTER-CARR SUPPLY CO	65700973	Materials & Supplies - S.S. Pipe Fittings	Repair parts & equipment	350.73
57213	10/06/2021	McMASTER-CARR SUPPLY CO	66107597	Repair Parts - Stainless Steel Pipe Fittings	Repair parts & equipment	308.01
				Vend	lor MCM01 - McMASTER-CARR SUPPLY CO Total:	2387.5

57214	09/24/2021	METTLER-TOLEDO, INC.	6544995642	Laboratory Scale Maintenance	Repair parts & equipment		1003.23
Vendor: MKN	O1 - MICHAEL K N	IUNLEY & ASSOCIATES, INC.					
57215	10/01/2021	MICHAEL K. NUNLEY & ASSOCIATES, INC.	9653	GAC Project Management	Construction in progress	FY21-0120-R1	5369.91
57215	10/01/2021	MICHAEL K. NUNLEY & ASSOCIATES, INC.	9654	AWIA ERP	Prof services	FY22-0107	7788.35
37213	10,01,2021		363.		101 - MICHAEL K. NUNLEY & ASSOCIA		13158.26
Manual and Babis	04 - BANG ENGINE	FRC INC		10.00			
	01 - MNS ENGINE	·	78757	Facine asian Comment considered with a secretary attention	Construction in account	EV24 02E4 D4	1487.5
57216 57216	10/05/2021	MNS ENGINEERS, INC.	78757 78758	Engineering Support services during construction	Construction in progress	FY21-0254-R1 FY18-0055-R4	1487.5 161.25
5/216	10/05/2021	MNS ENGINEERS, INC.	/8/58	Out of Scope Work	Construction in progress Vendor MNS01 - MNS ENGINE		1648.75
57217	10/04/2021	NBS GOVERNMENT FINANCE GROUP	721000178	Develop In Lieu Mitigation Fee schedule	Prof services	FY22-0104	4452.5
Vendor: NOR	07 - NORTHSTAR (CHEMICAL					
57218	10/01/2021	NORTHSTAR CHEMICAL	204732	Materials Chemicals - CWRF	Materials & supplies		250
57218	09/28/2021	NORTHSTAR CHEMICAL	205685	Materials Chemicals - CWRF	Materials & supplies		3834.25
57218	09/28/2021	NORTHSTAR CHEMICAL	205686	Materials Chemicals - RMWTP	Materials & Supplies-RMW	ТР	1479.43
57218	10/01/2021	NORTHSTAR CHEMICAL	207019	Materials Chemicals - RMWTP	Materials & Supplies-RMW	ТР	4860.78
57218	10/01/2021	NORTHSTAR CHEMICAL	207152	Materials Chemicals - CWRF	Materials & supplies		4180.04
57218	10/01/2021	NORTHSTAR CHEMICAL	207153	Materials Chemicals - RMWTP	Materials & Supplies-RMW	TP	1553.84
					Vendor NOR07 - NORTHSTAR C	HEMICAL Total:	16158.34
Vendor: PER0	2 - PERLITER & IN	GALSBE					
57219	09/28/2021	PERLITER & INGALSBE	18620	Engineering Support Services	Construction in progress	REQ00057-R4	22582.5
57219	10/05/2021	PERLITER & INGALSBE	18628	Engineering Support Services	Construction in progress	REQ00057-R4	8762.75
					Vendor PER02 - PERLITER & I	NGALSBE Total:	31345.25
57220	10/01/2021	PRAXAIR DISTRIBUTION INC	66105414	Acetylene Gas Cylinders	Materials & supplies		62.56
57221	10/05/2021	PROVANTAGE LLC	9071963	Repair Parts - USP Network Cards	Repair parts & equipment		874.39
57222	09/28/2021	RAMON VISAIZ	00001087	Deposit Refund Act 1087 - 6002 Paseo Encantada	Refunds payable		24.33
57223	09/28/2021	RAYCO SECURITY LOSS PREVENTION	36384	Alarm Service	Outsd contracts		297.5
			30364	Alaim Service	Outsu contracts		257.5
		TRIAL SOLUTIONS					
57224	10/05/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1009942	Sewer Lift Read Road MCC Relays	Construction in progress		419.35
57224	10/05/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1009995	Repair Parts - VFD Fan Relays	Repair parts & equipment		995.19
57224	10/05/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1010561	Electrical Enclosures SCADA	Materials & supplies	FY22-0117	1683.94
57224	10/05/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1011077	Electrical Enclosures SCADA	Materials & supplies	FY22-0117	1297.73
57224	10/05/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1011205	Sewer Lift Read Road MCC Terminal Fuses	Construction in progress		859.34
57224	10/05/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1011270	Sewer Lift Read Road MCC Terminal Blocks	Construction in progress		957.91
57224	10/05/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1011445	Sewer Lift Read Road MCC Wire	Construction in progress		981.24
57224	10/05/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1011827	Sewer Lift Read Road MCC Conduit	Construction in progress		978.88
				Ve	ndor ROY03 - ROYAL INDUSTRIAL SC	DLUTIONS Total:	8173.58
57225	10/04/2021	RT LAWRENCE CORPORATION	45050	LockBox Service for Processing Payments -Sept 2021	Outsd contracts		801.32
57226	10/01/2021	SALINAS & SONS ROOTER INC	00-12163	Camera Short Section of Sewer Main Calle Pamaro	Outsd contracts		725
Vendor: SAM	01 - SAM HILL & S	ONS, INC.					
57227	10/05/2021	SAM HILL & SONS, INC.	3894	Leak Repair 2" Non Potable Laterial	Pipeline repairs	FY22-0115	3068.92
57227	10/05/2021	SAM HILL & SONS, INC.	3918	Leak Repair 1" Service	Pipeline repairs	FY22-0114	7782.42
					Vendor SAM01 - SAM HILL & So	ONS, INC. Total:	10851.34
57228	10/01/2021	SHEA HOMES SO CAL INC	00011096	Overpayment Closed Act - 2497 Presley Ct	Refunds payable		108.33
57229	09/28/2021	SHELLEY VINCENT	00004215	Refund Overpayment Closed Account-5867 Fieldcrest	Refunds payable		105.52
57230	10/04/2021	SHUMATE SERVICES, INC	21-060	Graffiti Removal 1B	Outsd contracts	FY22-0112	2812.5
Vendor: SCE0	1 - SOUTHERN CA	LIF. EDISON					
885	10/06/2021	SOUTHERN CALIF. EDISON	Sept21	Edison Current Usage Charges-Sept 2021	Pumping power		120022.96
885	10/06/2021	SOUTHERN CALIF. EDISON	Sept21	Edison Current Usage Charges-Sept 2021	Utilities		4748.53
					Vendor SCE01 - SOUTHERN CALIF	F. EDISON Total:	124771.49
886	10/06/2021	SOUTHERN CALIFORNIA GAS	September 2021	Usage Charges-September 2021-Via Cantilena	Utilities		16.27
	-,,			0 0			

Vendor: SCF01	- SOUTHERN CO	UNTIES OIL				
57231	10/01/2021	SOUTHERN COUNTIES OIL	1956071IN	Material & Supplies - Fuel	Materials & supplies	1568.67
57231	10/01/2021	SOUTHERN COUNTIES OIL	1961459IN	Material & Supplies - Fuel	Materials & supplies	1394.4
57231	10/01/2021	SOUTHERN COUNTIES OIL	1964869IN	Material & Supplies - Fuel	Materials & supplies	1756.87
					Vendor SCF01 - SOUTHERN COUNTIES OIL Total:	4719.94
57232	10/05/2021	SPARKLETTS	4667386-100321	Distilled Bottled Water	Outsd contracts	31.43
Vendor: STA05	- STATE WATER	RESOURCES CONTROL BOARD				
57180	09/22/2021	STATE WATER RESOURCES CONTROL BOARD	D5-Exam-ChrisP	Distribution Certification - D5 -Chris Patacsil	Dues & subscrip	155
57181	09/22/2021	STATE WATER RESOURCES CONTROL BOARD	T4-Cert-Josh S	Grade 4 Treatment Cert Josh	Dues & subscrip	105
57182	09/22/2021	STATE WATER RESOURCES CONTROL BOARD	T4-Exam -Chris P	Treatment Certification - T4 -Chris Patacsil	Dues & subscrip	130
				Vendor STA0	5 - STATE WATER RESOURCES CONTROL BOARD Total:	390
Vendor: TOT03	- TOTAL BARRIC	ADE SERVICE INC				
57233	09/28/2021	TOTAL BARRICADE SERVICE INC	53913	Raise Valve Stackings - Manholes Traffic Control	Outsd contracts FY22-0097	1034
57233	09/28/2021	TOTAL BARRICADE SERVICE INC	53942	Raise Valve Stackings - Manholes Traffic Control	Outsd contracts FY22-0097	799
57233	09/28/2021	TOTAL BARRICADE SERVICE INC	53943	Raise Valve Stackings - Manholes Traffic Control	Outsd contracts FY22-0097	926
57233	09/28/2021	TOTAL BARRICADE SERVICE INC	53955	Raise Valve Stackings - Manholes Traffic Control	Outsd contracts FY22-0097	873
				,	Vendor TOT03 - TOTAL BARRICADE SERVICE INC Total:	3632
887	10/06/2021	U.S. BANK CORPORATE	21-Sep	Credit Card Purchases	Credit Card Payment	10653.67
Vendor: UNDO:	1 - UNDERGROUI	ND SERVICE ALERT OF SOUTHERN CALIFORNIA, INC				
57234	10/05/2021	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA, INC	920210208	Dig Alert Tickets-Monthly	Outsd contracts	333.4
57234	10/05/2021	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA, INC	dsb2022044776	Dig Alert Tickets-Monthly	Outsd contracts	47.44
					SERVICE ALERT OF SOUTHERN CALIFORNIA, INC Total:	380.84
Vendor: UNI12	- UNIFIED FIELD	SERVICES CORPORATION				
57235	10/05/2021	UNIFIED FIELD SERVICES CORPORATION	Pymt 1	PV Well No. 2 Construction Services	Construction in progress FY22-0010	61250
57235	10/05/2021	UNIFIED FIELD SERVICES CORPORATION	Pymt1 - Retention	Retention Payment 1	Contractor's retention	-6125
				Vendor V	UNI12 - UNIFIED FIELD SERVICES CORPORATION Total:	55125
Vendor: UNI08	- UNIFIRST CORF	PORATION				
57236	09/27/2021	UNIFIRST CORPORATION	328-1306331	Uniform Cleaning Service	Outsd contracts	245.43
57236	09/27/2021	UNIFIRST CORPORATION	328-1306339	Office Cleaning Supplies - Towel & Mat Service	Outsd contracts	67.63
57236	09/27/2021	UNIFIRST CORPORATION	328-1308177	Uniform Cleaning Service	Outsd contracts	242.06
57236	09/27/2021	UNIFIRST CORPORATION	328-1308185	Office Cleaning Supplies - Towel & Mat Service	Outsd contracts	64.58
57236	09/27/2021	UNIFIRST CORPORATION	328-1310087	Uniform Cleaning Service	Outsd contracts	242.06
57236	09/27/2021	UNIFIRST CORPORATION	328-1310095	Office Cleaning Supplies - Towel & Mat Service	Outsd contracts	66.14
57236	10/05/2021	UNIFIRST CORPORATION	328-1312033	Uniform Cleaning Service	Outsd contracts	242.06
57236	10/05/2021	UNIFIRST CORPORATION	328-1312041	Office Cleaning Supplies - Towel -Mat Service	Outsd contracts	66.14
					Vendor UNI08 - UNIFIRST CORPORATION Total:	1236.1
Vendor: USA01	- USA BLUE BOO	DK				
57238	09/24/2021	USA BLUE BOOK	724691	Lab Supplies	Materials & supplies	289.66
57238	10/05/2021	USA BLUE BOOK	745498	Laboratory Supplies	Materials & supplies	102.53
					Vendor USA01 - USA BLUE BOOK Total:	392.19
57239	10/01/2021	VENTURA SECURITY SYSTEMS	6869335	Security System Maintenance	Outsd contracts	199.5
57240	10/05/2021	VERIZON WIRELESS	9888995347	Cell Phone	Communications	2356.12
Vendor: WWG	01 - W W GRAING	GER. INC.				
57241	10/05/2021	W W GRAINGER, INC.	9064699045	Material & Supplies - Chain	Materials & supplies	873.26
57241	10/05/2021	W W GRAINGER, INC.	9067112699	Hand Tools - Brandon's Truck	Small tools & equipment	993.96
57241	10/05/2021	W W GRAINGER, INC.	9070179958	Repair Parts -VFD Repair PV#1	Repair parts & equipment	468.86
57241	10/05/2021	W W GRAINGER, INC.	9074834137	Repair Parts - Vent Fan Motor - Penny Well	Repair parts & equipment	208.25
					Vendor WWG01 - W W GRAINGER, INC. Total:	2544.33
Vendor: WATO	4 - WATER SYSTE	MS CONSULTING, INC.				
57242	09/27/2021	WATER SYSTEMS CONSULTING, INC.	5955	Risk & Resilience Assessment	Prof services	1017.5
57242	10/05/2021	WATER SYSTEMS CONSULTING, INC.	6013	Training	Construction in progress FY20-0206-R2	2417.06
				Vendo	or WAT04 - WATER SYSTEMS CONSULTING, INC. Total:	3434.56
57243	10/05/2021	WIN-911 SOFTWARE	250XT291-20211214	Maintenance Support - SCADA Win-911 Software	Outsd contracts FY22-0116	1980
				•••		48860
57244	09/28/2021	ZEBRON, INC	52793	Manhole Rehabilitation	Outsd contracts FY22-0030	48800

TOTAL VENDOR PAYMENTS \$ 1,652,324.22

879	10/01/2021	ACWA JOINT POWERS INS	3rd QTR 2021	3rd QTR 2021 Worker's Comp Premium	P/R-worker comp	9302.27
880	10/01/2021	ACWA/JPIA	9-21 PR ME-1	Medical, Dental & Vision Premiums	Medical, Dental, Vision ins.	49962.7
DFT0003558	09/23/2021	CAL PERS 457 PLAN	INV0010557	Deferred Compensation	Deferred comp - ee paid	7028
DI 10003338	03/23/2021	CALLERO 457 FEATV	11440010337	Deferred Compensation	berefred comp - ee paid	7020
DFT0003554	09/23/2021	COLONIAL SUPPLEMENTAL INS	INV0010553	Colonial Benefits	Colonial benefits	279.22
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DFT0003553	09/23/2021	EMPLOYMENT DEVELOP. DEPT.	INV0010551	Payroll-SIT	P/R-sit	15.58
DFT0003575	09/23/2021	EMPLOYMENT DEVELOP. DEPT.	INV0010583	Payroll-SIT	P/R-sit	4757.83
				Ve	ndor EDD01 - EMPLOYMENT DEVELOP. DEPT. Total:	4773.41
	2 - HealthEquity					
DFT0003562	09/23/2021	HealthEquity	INV0010563	HSA-Employee Contribution	HSA Contributions Payable	480.84
DFT0003563	09/23/2021	HealthEquity	INV0010564	HSA Contributions	HSA Contributions Payable	250
					Vendor HEA02 - HealthEquity Total:	730.84
883	09/23/2021	LINCOLN FINANCIAL GROUP	INV0010559	Deferred Compensation	Deferred comp - ee paid	1900
882	09/23/2021	LINCOLN FINANCIAL GROUP	INV0010577	Profit Share Contribution	Profit share contributions	2738.36
DFT0003560	09/23/2021	PUBLIC EMPLOYEES	INV0010561	PERS-Retirement	P/R-state ret.	17501.08
DFT0003564	09/23/2021	SYMETRA LIFE INS CO.	INV0010565	Life Insurance	Life ins.	282
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DFT0003551	09/23/2021	UNITED STATES TREASURY	INV0010549	Payroll-Social Security Tax	P/R - ee social security	618.36
DFT0003574	09/23/2021	UNITED STATES TREASURY	INV0010582	Payroll- Medicare Tax	P/R - ee medicare	3227.74
DFT0003572	09/23/2021	UNITED STATES TREASURY	INV0010580	FIT	P/R-fit	12345.12
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884	10/01/2021	UNUM LIFE INSURANCE	9-21 ME	Salary Increase retroactive premium adjustments	Short term dis. human resourc	252.2
884	10/01/2021	UNUM LIFE INSURANCE	9-21 ME	Salary Increase retroactive premium adjustments	Long term dis. human resourc	1077.72
					Vendor UNU01 - UNUM LIFE INSURANCE Total:	1329.92

TOTAL PAYROLL VENDOR PAYMENTS \$ 112,039.02



Board Memorandum

October 14, 2021

To: **Board of Directors**

From: Ian Prichard, Assistant General Manager

CEQA Documentation for the Conejo Wellfield GAC Treatment Plant Subject:

Objective: Conduct a public hearing regarding the Mitigated Negative Declaration for the Conejo Wellfield Granular Activated Carbon Treatment Plant Project.

Action Required:

- 1) Open a public hearing to receive testimony regarding the draft Initial Study/Mitigated Negative Declaration and the included Mitigation and Monitoring Reporting Program for the Conejo Wellfield GAC Treatment Plant; and
- 2) Close the public hearing; and
- 3) Consider adopting the attached Resolution 21-16 Certifying and Approving the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the Conejo Wellfield GAC Treatment Project.

Discussion: Pursuant to the California Environmental Quality Act (CEQA), an Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared, describing the degree of potential environmental impacts of the proposed project. The District assessed the potential environmental impacts of this proposed project and determined that they will be less than significant with mitigation. The required mitigation is described in chapter four of the IS/MND, the Mitigation Monitoring and Reporting Program.

The Notice of Intent was published in the Ventura County Star on August 12, 2021 and copies of the IS/MND were available for public review on the District's website and at the District office. The Notice of Intent was filed with the County of Ventura and the State Clearinghouse. The public review period ran from August 12, 2021 through September 13, 2021. One written comment was received, from the Ventura County Air Pollution Control District. The VCAPCD's comment was received outside the comment period and does not constitute anything significant or require additional mitigation measures not already described in the IS/MND, but we appreciate the VCAPCD's interest and have responded to and addressed the comments.

On September 23, 2021, the Board set the public hearing for October 14, 2021, to receive oral comments prior to considering adoption of the IS/MND and MMRP. This notice was posted in three public locations and published in the Ventura County Star on September 24, 26, and October 3, 2021.

Board of Directors

Division 2 Timothy H. Hoag Division 3 Eugene F. West

Division 4 Terry L. Foreman Division 5 General Manager

Tony L. Stafford

AI E. Fox Division 1 Jeffrey C. Brown



Resolution No: 21-16

A Resolution of the Board of Directors of Camrosa Water District

Certifying and Approving the Mitigated Negative Declaration for the Conejo Wellfield Granular Activated Carbon Treatment Plant Project Board of Directors
Al E. Fox
Division 1
Jeffrey C. Brown
Division 2
Timothy H. Hoag
Division 3
Eugene F. West
Division 4
Terry L. Foreman
Division 5
General Manager
Tony L. Stafford

Whereas, on August 12, 2021, the Camrosa Water District, acting as Lead Agency for the proposed Conejo Wellfield Granular Activated Carbon (GAC) Treatment Plant Project, and pursuant to California Environmental Quality Act (CEQA), filed a Notice of Intent (NOI) and Initial Study/Mitigated Negative Declaration (IS/MND) with the County of Ventura and State Clearinghouse and made these documents available to the public for review and comment for a period of 30 days; and

Whereas, on September 13, 2021, Camrosa closed the public commenting period, responded to comments, and prepared a Mitigation Monitoring and Reporting Plan; and

Whereas, on September 23, 2021, the Camrosa Board of Directors advertised that a public hearing would be held on October 14, 2021 to receive public oral comment regarding the IS/MND by posting it in three public locations and advertising it in a newspaper of record, the Ventura County *Star*; and

Whereas, on October 14, 2021, the Camrosa Board of Directors held a duly noticed public hearing to receive testimony regarding the draft IS/MND;

Now, Therefore, Be It Resolved by the Camrosa Water District Board of Directors, acting as the decision-making body of the Lead Agency for the proposed project, have considered the IS/MND together with all comments received during the public review process and adopt the Mitigated Negative Declaration and the Mitigation Monitoring and Reporting Plan; and

Be It Further Resolved that the Board of Directors approves the Conejo Wellfield GAC Treatment Project for the purpose of filing a Notice of Determination (NOD) with the County of Ventura.

Camrosa Water District

Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project

Draft Initial Study / Mitigated Negative Declaration

SCH No. 2021080219

August 2021

Prepared for: Camrosa Water District 7385 Santa Rosa Road Camarillo, California 93012

Prepared by: Provost & Pritchard Consulting Group 1800 30th Street, Suite 280 Bakersfield, California 93301



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Report Prepared for:

Camrosa Water District

7385 Santa Rosa Road Camarillo, California 93012

Contact:

Ian Prichard, Assistant General Manager (805) 388-0226

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Acronyms and Abbreviations

AB	Assembly Bill
APE	Area of Potential Effect
CAAQS	California Ambient Air Quality Standards
CARB	
Cal Fire	
CalEEMod	California Emissions Estimator Modeling (software)
CBC	
CCAA	
CCR	
CDFW	
CEQA	California Environmental Quality Act
CHRIS	California Historical Resources Information System
CH ₄	Methane
CIHR	California Inventory of Historic Resources
CNEL	
CNDDB	
CNPS	
CO	
CO ₂	
CO ₂ e	carbon dioxide-equivalents
County	Ventura County
CPA	
CRHR	
CUPA	
CWHR	
dBA	
DDW	
District	
DOC	(California) Department of Conservation
DOD	Department of Defense
DTSC	(California) Department of Toxic Substances Control
DWR	Department of Water Resources
EIR	Environmental Impact Report

Camrosa Water District Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project

EOP	
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
FMMP	Farmland Mapping and Monitoring Program
FPP	Farmland Preservation Program
GAC	Granular Activated Carbon
GHG	
GIS	Geographic Information System
GP	
GPA	General Plan Amendment
GPM	
hp	
HMBP	
HUC	Hydrologic Unit Code
IOU	Investor-Owned Utility
IS	Initial Study
IS/MND	Initial Study/Mitigated Negative Declaration
kWh	kilowatt hours
LUST	Leaking Underground Storage Tank Sites
MCL	
MLRA	
MMRP	Mitigation Monitoring and Reporting Program
MND	Mitigated Negative Declaration
MTCO2e	Metric tons of carbon dioxide equivalent
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Plans
ND	Negative Declaration
NEPA	National Environmental Policy Act
NOx	Nitrogen oxides
NO ₂	
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
O ₃	Ozone

Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project

Pb	Lead
PC	Production-Consumption
PCR	Production Consumption Regions
PM ₁₀	particulate matter 10 microns in size
PM _{2.5}	particulate matter 2.5 microns in size
PRC	Public Resources Code
Project	Conejo Wellfield Granular Activated Carbon Water Treatment Project
QSD	Qualified StormWater Pollution Prevention Plan Developer
ROG	Reactive Organic Gases
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCADA	
SCAQMD	
SCCIC	South Central Coastal Information Center
SCE	Southern California Edision
SF ₆	Sulfur hexafluoride
SHPO	(CA) State Historic Preservation Officer
SLIC	Spills-Leaks-Investigations-Cleanups
SoCalGas	Southern California Gas Company
SO ₂	Sulfur Dioxide
SOx	sulfur oxide
SRA	State Responsibility Area
SWIS	Solid Waste Information System
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Toxic Air Contaminants
TCP	
USACE	
USDA	
USFWS	
UST	
VCAPCD	Ventura County Air Pollution Control District
VCWPD	
WEAP	
μg/m3	micrograms per cubic meter

Chapter 1 Introduction

Provost & Pritchard Consulting Group (Provost & Pritchard) has prepared this Initial Study/Mitigated Negative Declaration (IS/MND) on behalf of Camrosa Water District (District) to address the environmental effects of the proposed Conejo Wellfield Granular Activated Carbon (GAC) Water Treatment Plant Project (Project). This document has been prepared in accordance with the California Environmental Quality Act (CEQA), Public Resources Code Section 21000 et seq. The District is the CEQA lead agency for this Project.

The Project and location are described in detail in the Chapter 2 Project Description.

1.1 Regulatory Information

An Initial Study (IS) is a document prepared by a lead agency to determine whether a project may have a significant effect on the environment. In accordance with California Code of Regulations Title 14 (Chapter 3, Section 15000, et seq.)— also known as the CEQA Guidelines—Section 15064 (a)(1) states that an environmental impact report (EIR) must be prepared if there is substantial evidence in light of the whole record that the project under review may have a significant effect on the environment and should be further analyzed to determine mitigation measures or project alternatives that might avoid or reduce project impacts to less than significant levels. A negative declaration (ND) may be prepared instead if the lead agency finds that there is no substantial evidence in light of the whole record that the project may have a significant effect on the environment. An ND is a written statement describing the reasons why a proposed project, not otherwise exempt from CEQA, would not have a significant effect on the environment and, therefore, why it would not require the preparation of an EIR (CEQA Guidelines Section 15371). According to CEQA Guidelines Section 15070, a ND or mitigated ND shall be prepared for a project subject to CEQA when either:

- a. The IS shows there is no substantial evidence, in light of the whole record before the agency, that the proposed project may have a significant effect on the environment, or
- b. The IS identified potentially significant effects, but:
 - 1. Revisions in the project plans or proposals made by or agreed to by the applicant before the proposed MND and IS released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur is prepared, and
 - 2. There is no substantial evidence, in light of the whole record before the agency, that the proposed project *as revised* may have a significant effect on the environment.

1.2 **Document Format**

This IS/MND contains four chapters and four appendices, **Chapter 1 Introduction**, provides an overview of the Project and the CEQA process. **Chapter 2 Project Description**, provides a detailed description of Project components and objectives. **Chapter 3 Impact Analysis**, presents the CEQA checklist and environmental analysis for all impact areas, mandatory findings of significance, and feasible mitigation measures. If the Project does not have the potential to significantly impact a given issue area, the relevant section provides a brief discussion of the reasons why no impacts are expected. If the Project could have a potentially significant impact on a resource, the issue area discussion provides a description of potential impacts, and appropriate mitigation measures and/or permit requirements that would reduce those impacts to a less than significant level. **Chapter 3** concludes with the Lead Agency's determination based upon this initial evaluation. **Chapter 4 Mitigation Monitoring and Reporting Program** (MMRP), provides the proposed mitigation measures, implementation timelines, and the entity/agency responsible for ensuring implementation.

Chapter 1 Introduction Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project

The California Emissions Estimator Model (CalEEMod) Output Files, Biological Evaluation Report, and Cultural Resources Information, are provided as technical Appendix A, Appendix B and Appendix C and, respectively, at the end of this document.

Chapter 2 Project Description

2.1 Project Background and Objectives

2.1.1 Project Title

Camrosa Water District, Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project

2.1.2 Lead Agency Name and Address

Camrosa Water District 7385 Santa Rosa Road Camarillo, California 93012

2.1.3 Contact Person and Phone Number

Lead Agency Contact Ian Prichard Assistant General Manager (805) 388-0226

CEQA Consultant

Provost & Pritchard Consulting Group Dena Giacomini, Project Manager, Senior Planner (661) 616-5900

2.1.4 **Project Location**

The Project is located in the community of Camarillo, in Ventura County, California, approximately 4.5 miles northeast of Moorpark and 6.2 miles south of Newberry Park (see Figure 2-1 and Figure 2-2). The Project is located along Santa Rosa Road on Assessor's Parcel Number 520-018-024. The water treatment facility would be placed next to the existing drinking water facility as shown in Figure 2-3.

2.1.5 Latitude and Longitude

The centroid of the Project site is 34.2345656 N and -118.9303511 W.

2.1.6 **General Plan Designation**

Table 2-1. General Plan Designation

Project Area	General Plan Designation
On-Site	Open Space
Adjacent Lands	Open Space - W, E, S and NW
	Very Low Density Residential - N/NE

2.1.7 **Zoning**

Table 2-2. County Zone District

Project Area	Zoning Designation
On-Site	OS-40 (Open Space 40-acre min)
	AE-40 (Ag Exclusive 40-acre min) - W
Adjacent Lands	OS-40 - N, E, and S
	RE-1 (Rural Exclusive 1 ac min) - N/NE

See Figure 3-9 and Figure 3-10 for the zoning and general plan designations.

2.1.8 **Description of Project**

2.1.8.1 Project Background and Purpose

The District operates potable, non-potable, and recycled water supply systems in southern Ventura County, California. The District's service area encompasses approximately 31 square miles. The potable water system serves roughly 32,000 people and delivers approximately 7,500 acre-feet of water each year through more than 8,500 service connections in portions of the cities of Camarillo, Moorpark, and Thousand Oaks and unincorporated Ventura County. The District's potable water system is regulated by the State Water Resources Control Board (SWRCB), Division of Drinking Water (DDW) as a community water system.

In 2018, the State Water Board implemented a new maximum contaminant limit (MCL) for 1,2,3,—Trichlorpropane (TCP), a synthetic organic compound that was an impurity in certain soil fumigants used in agriculture, of 5 ppt. Upon testing, it was discovered above the MCL in three of the wellfield's four wells, which were promptly removed from service. The fourth well was taken offline in early 2020. After an initial, ultimately unsuccessful attempt to resolve the TCP issue with blending, which turned out to be an ineffective strategy due to the very low MCL for TCP and the District's inability to meet its blend plan objectives, CWD is now constructing a granular activated carbon (GAC) treatment plant to treat for the TCP. The plant is expected to be completed in FY2021-22. The wellfield will remain off until that time. (See Figure 3-5)

The District has decided to move forward with a centralized 2,350-gallons per minute (gpm) GAC treatment plant to remove TCP from the Conejo 2, Conejo 3, Conejo 4, and the Santa Rosa 8 wells so that the wells can be returned to service.

2.1.8.2 Project Description

GAC is commonly employed as an adsorption media for the removal of a wide range of organic contaminants, including TCP, from drinking water. This treatment approach is currently being used at many drinking water treatment plants throughout the State. The water treatment benefits of GAC derive from the adsorption properties of the GAC material and the media's high internal surface area, as opposed to filtration media, which captures contaminants between particles. Adsorption with GAC is a relatively "green" process in that the spent media is taken back by the supplier, captured contaminants are destroyed, and the carbon can then be reused in another treatment application. The proposed treatment system could be capable of reducing raw water TCP concentrations as high as 150 parts per trillion (ppt), much higher than current levels in the wells, and reduce TCP down to non-detectable levels.

The Project proposes to construct a centralized GAC water treatment plant to remove the TCP from the water produced by the four potable water supply wells, which are all located near the Project treatment site (See Figure 3-5). The flow from the four wells supplying drinking water merges at the existing facility and combines before being sent to an existing storage tank and blending station for the reduction of nitrate levels. The new facility would intercept the flow from the wells, direct it through the GAC treatment process and return it to a new, water storage tank. The facility would require six 12-foot-diameter steel pressure vessels for the GAC

media to treat the initial maximum flow rate of 2,350 gpm; however, the facility would be designed to accommodate the addition of another four vessels in the future, which could increase the overall treatment capacity to 3,150 gpm. The GAC media must be backwashed when it is first installed in the vessels and may need to be backwashed periodically once placed into service. The District intends to send this backwash water, which contains NSF-61 (drinking water contact) certified carbon fines and TCP levels comparable to the raw water to an equalization tank and then pump it into the District's non-potable water distribution system. Because the water has high hardness (the simple definition of water hardness is the amount of dissolved calcium and magnesium in the water when heated, deposits of calcium carbonate can form) that may interfere with the GAC treatment, the District plans on reducing the pH of the water before it reaches the GAC using carbon dioxide and then raising the pH back up after treatment using sodium hydroxide. The existing well pumps would also need to be upgraded due to the additional pressure loss through the GAC system. In addition to the GAC treatment vessels, the facility would include a new treated-water tank, backwash equalization tank, non-potable water pumps, storm water detention basin, chemical feed systems, and other associated appurtenances.

The Project would be capable of treating any combination of the wells at the same time including flow rates of up to 2,350 gpm initially (and up to 3,150 gpm should additional two vessel pairs ever be added) and would be designed to support a flow rate as low as 500 gpm in order to accommodate reduced speed pump operation during low demand periods, which typically occur late at night. Automated motor operated valves integrated with the site supervisory control and data acquisition (SCADA) system would be included at each vessel pair to make removing vessel pairs from service an automated process. The average volume of treated water expected to be produced is approximately 72 million gallons per month.

The existing facility is approximately 0.5 acres, and the proposed new facilities would be approximately 2.5 acres. Specific Project components include:

- Three pairs of GAC vessels (six total), expandable to five pairs of vessels in the future: 12-foot diameter; 18-foot tall; placed on a concrete foundation of 3,500 square feet;
- Excavations for the foundation and infrastructure would occur up to approximately 5 feet in depth;
- Backwash equalization tank: 126,000 gallons; 33 feet in diameter; 24 feet tall; ring wall footing;
- Treated water storage tank: 85,000 gallons; 27 feet in diameter; 24 feet tall; ring wall footing;
- Well pump replacements (four total): two 100 horsepower (hp) and two 125 hp;
- Electrical service upgrade to allow higher horsepower well pumps and non-potable pumps to operate;
- Fixed standby generator; which will include an approximately 10,000-gallon diesel fuel tank for storage;
- Chemical feed systems: One 5,000-gallon sodium hydroxide storage tank and feed system and one 14-ton carbon dioxide feed system;
- One small diameter pipeline and electrical conduit between this main site and the existing Santa Rosa 8 well building to the south;
- Piping, fittings, valves, and associated infrastructure;
- Backwash (non-potable water) pumps: two 75 hp pumps;
- Chain link fence: 8-feet tall with three strands of barbed wire; approximately 1,000 linear feet; and a new access gate off of Hill Canyon Road; and
- Site surfacing of ag base under crushed rock; asphalt paved driveway with concrete pads at the offloading area for delivery trucks.
- Total site improvements area: $\approx 108,000$ square feet.

2.1.8.3 Construction and Schedule

Construction of the Project is anticipated to be completed within a period of approximately eight (8) months. Construction would likely take place November 2021 to August 2022. Generally, construction would occur between the hours of 7 am and 5 pm, Monday through Friday, excluding holidays. Post-construction activities would include system testing, commissioning, and site clean-up. Construction would require temporary staging and storage of materials and equipment. Staging areas would be located onsite.

2.1.8.4 Equipment

Construction equipment would include the following:

- Excavator;
- Backhoe;
- Loader;
- Concrete truck;
- Concrete pumper;
- Dump truck;
- Pickup trucks;
- Construction staff vehicles; and
- Cranes.

2.1.8.5 Operation and Maintenance

The Project is at the same location of the existing well sites and nitrate blending system. Operation and maintenance of the facilities would continue as they have in past years. Additional deliveries would be required for the water treatment chemicals (carbon dioxide and sodium hydroxide). Chemical deliveries are anticipated to occur monthly. Carbon replacement would likely be required approximately every eight (8) months. All chemical and carbon deliveries are anticipated to occur during normal business hours.

2.1.9 Site and Surrounding Land Uses and Setting

The Project is located within Ventura County. It is approximately 17.4 miles east of the City of Ventura and 6.9 miles northwest of Thousand Oaks. The area is within Santa Rosa Valley and surrounded by Camarillo to the east, the Santa Monica Mountains to the south and the Pacific Ocean to the west and south, and coastal Ventura County to the west. The surrounding areas is mostly agricultural with some residential housing nearby. There are hiking trails leading to the Santa Monica Mountain along Hill Canyon Road and a small intermittent stream less than a mile to the south of the Project.

2.1.10 Other Public Agencies Whose Approval May Be Required

- State Water Resources Control Board National Pollutant Discharge Elimination System (NPDES)
 Construction General Permit
- Division of Drinking Water: Water Supply Permit Amendment
- Ventura County Air Pollution Control District back-up generator permit & rules and regulations (Regulation VIII, Regulation IV, Rule 4702)

2.1.11 Consultation with California Native American Tribes

Public Resources Code Section 21080.3.1, et seq. (codification of AB 52, 2013-14)) requires that a lead agency, within 14 days of determining that it would undertake a project, must notify in writing any California Native American Tribe traditionally and culturally affiliated with the geographic area of the project if that Tribe has

Chapter 2 Project Description Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project

previously requested notification about projects in that geographic area. The notice must briefly describe the project and inquire whether the Tribe wishes to initiate request formal consultation. Tribes have 60 days from receipt of notification to request formal consultation. The lead agency then has 60 days to initiate the consultation, which then continues until the parties come to an agreement regarding necessary mitigation or agree that no mitigation is needed, or one or both parties determine that negotiation occurred in good faith, but no agreement would be made.

Camrosa Water District received written correspondence from the Coastal Band of the Chumash Nation pursuant to Public Resources Code Section 21080.3.1 requesting notification of proposed projects. All project Tribal correspondence is discussed in more detail in Sections 3.6 and 3.19 of Chapter 3 Impact Analysis.

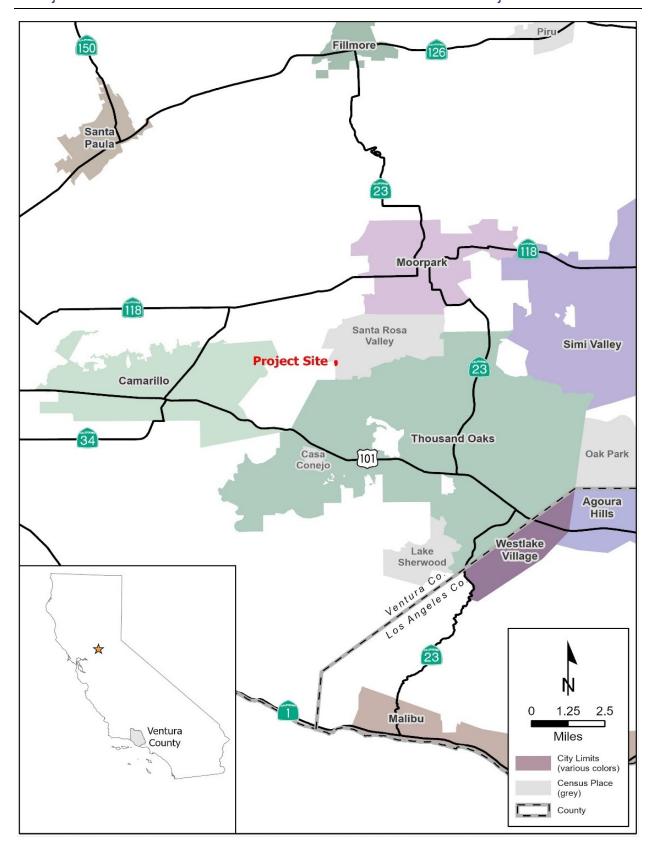


Figure 2-1. Regional Location

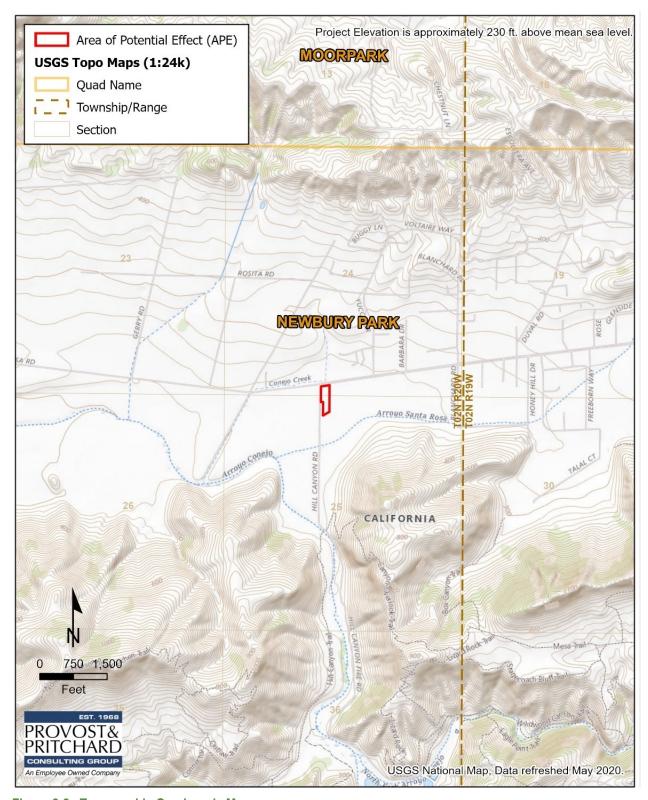


Figure 2-2. Topographic Quadrangle Map

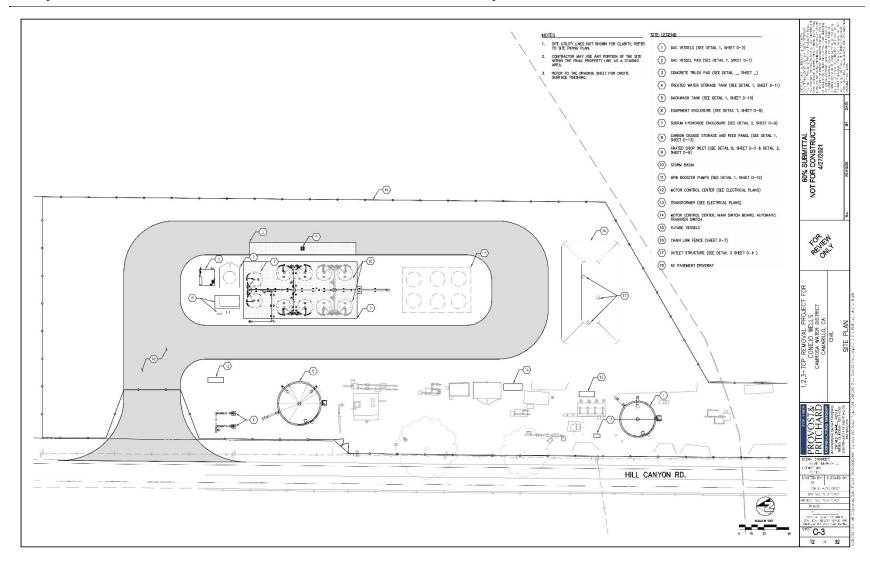


Figure 2-3. Site Plan Map

Chapter 3 Impact Analysis

3.1 Environmental Factors Potentially Affected

As indicated by the discussions of existing and baseline conditions, and impact analyses that follow in this Chapter, environmental factors not checked below would have no impacts or less than significant impacts resulting from the project. Environmental factors that are checked below would have potentially significant impacts resulting from the project. Mitigation measures are recommended for each of the potentially significant impacts that would reduce the impact to less than significant.

Aesthetics	Agriculture & Forestry Resources	Air Quality
Biological Resources	Cultural Resources	☐ Energy
Geology/Soils	Greenhouse Gas Emissions	Hazards & Hazardous Materials
Hydrology/Water Quality	Land Use/Planning	Mineral Resources
Noise	Population/Housing	Public Services
Recreation	☐ Transportation	Tribal Cultural Resources
Utilities/Service Systems	Wildfire Wildfire	Mandatory Findings of Significance

The analyses of environmental impacts here and in Chapter 4 Mitigation Monitoring and Reporting Program are separated into the following categories:

Potentially Significant Impact. This category is applicable if there is substantial evidence that an effect may be significant, and no feasible mitigation measures can be identified to reduce impacts to a less than significant level. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

Less than Significant with Mitigation Incorporated. This category applies where the incorporation of mitigation measures would reduce an effect from a "Potentially Significant Impact" to a "Less than Significant Impact." The lead agency must describe the mitigation measure(s), and briefly explain how they would reduce the effect to a less than significant level (mitigation measures from earlier analyses may be cross-referenced).

Less than Significant Impact. This category is identified when the Project would result in impacts below the threshold of significance, and no mitigation measures are required.

No Impact. This category applies when a project would not create an impact in the specific environmental issue area. "No Impact" answers do not require a detailed explanation if they are adequately supported by the information sources cited by the lead agency, which show that the impact does not apply to the specific project (e.g. the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g. the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

3.2 Aesthetics

Table 3-1. Aesthetics Impacts

Aesthetics	Aesthetics Impacts						
Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a) Have a substantial adverse effect on a scenic vista?			\boxtimes				
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?							
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?			\boxtimes				
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?				\boxtimes			

3.2.1 Environmental Setting and Baseline Conditions

The Project site is located adjacent to the existing District Conejo Wellfield facility. To the east and south, immediate views consist of farmland and further, the Arroyo Santa Rosa and Arroyo Conejo. To the west is more farmland, buffered by a chain-link fence and screening vegetation.

As depicted in **Figure 3-1**, the Project site is approximately 4.6 miles north of the nearest Scenic Resource Protection zone. The areas in hatched green denote areas where the Project site can be seen. The Project site is not visible from a designated or eligible scenic highway.

3.2.2 Thresholds of Significance

A project has the potential to create a significant impact to scenic resources if it:

- Is located within an area that has a scenic resource that is visible from a public viewing location; and
- Would physically alter the scenic resource either individually or cumulatively when combined with recently approved, current, and reasonably foreseeable future projects; or
- Would substantially obstruct, degrade, or obscure the scenic vista, either individually or cumulatively when combined with recently approved, current, and reasonably foreseeable future projects.

Any project that is inconsistent with any of the above policies of the Ventura County General Plan Goals, Policies and Programs or policies of the applicable Area Plan, would result in a potentially significant environmental impact.

The County established the following policy in the Thousand Oaks Area Plan¹:

¹ County of Ventura. Thousand Oaks Area Plan. Website: 11G. Thousand Oaks Area Plan (vcrma.org). Accessed May 2021.

 TO-41.1 Public Views of Natural Ridgelines. The County shall prohibit discretionary development which will significantly obscure or alter public views of the natural ridgelines.

3.2.3 Impact Assessment

a) Would the project have a substantial adverse effect on a scenic vista?

Less than Significant Impact. The nearest scenic vista is a ridgeline of the Upper Kelly Estates Planning Sub-Area of the Thousand Oaks Area Plan. This scenic vista is approximately 4.6 miles from the Project site. The Project proposes to add water treatment facilities to an existing water facility. The tanks being added are approximately 24 feet high, which is approximately 8 inches taller than the existing tank that is being removed, as part of the Project. As shown in **Figure 3-1** and **Figure 3-2** below, the height of the tanks may be visible from a scenic vista; however, the new facilities would be similar to the existing facilities and although the new facilities may been seen from the existing vista, the view would not be blocked or impeded in any way. The distance from the Project site to the scenic vista is filled with 4.6 miles of urban built-up lands. The addition of any expanded treatment facility would not substantially change the character or view from the scenic vista to the site. In addition, views from the site to the scenic vista would not be substantially changed as the treatment facility would be low enough as to not block views of the scenic vista. Therefore, the impacts to the scenic vista would be less than significant.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. The Project does not propose to remove any non-agricultural trees, rock outcroppings, or historic buildings. Furthermore, the Project is not visible from designated scenic highway or eligible Highway 101 or eligible State Route 119. There would be no impact.

c) In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public view are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less than Significant Impact. The visual character of the Project area is dominated by the existing farmland and the existing well facility. Over 21% of land, or approximately 298,000 acres, in Ventura County is used for agricultural or animal grazing purposes. Farmland also surrounds the Project site. The Project would provide water quality treatment to existing facilities and would not substantially alter the visual character of the Project area. The new facilities would be compatible with the visual character of the overall existing Project and would not change the unique or distinctive visual character of the surrounding region. Impacts would be less than significant.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

No Impact. The existing facility has low light sources for intermittent operation and maintenance activities. The Project does propose to install new light sources within the enclosures and over the doorways. These new light sources would be downward facing, covered light fixtures for operation and maintenance activities and would not produce a glare that would affect day or nighttime views in the Project area. There would not be any light fixtures on poles being installed as part of the Project. Additionally, structures on site are painted with non-reflective materials, and the Project would follow suit. There would be no impact.

² County of Ventura. Ventura County's 2019 Crop & Livestock Report. Website: https://cdn.ventura.org/wp-content/uploads/2020/09/Ag-Comm-2019-Crop-Report-pdf accessed April 2021.

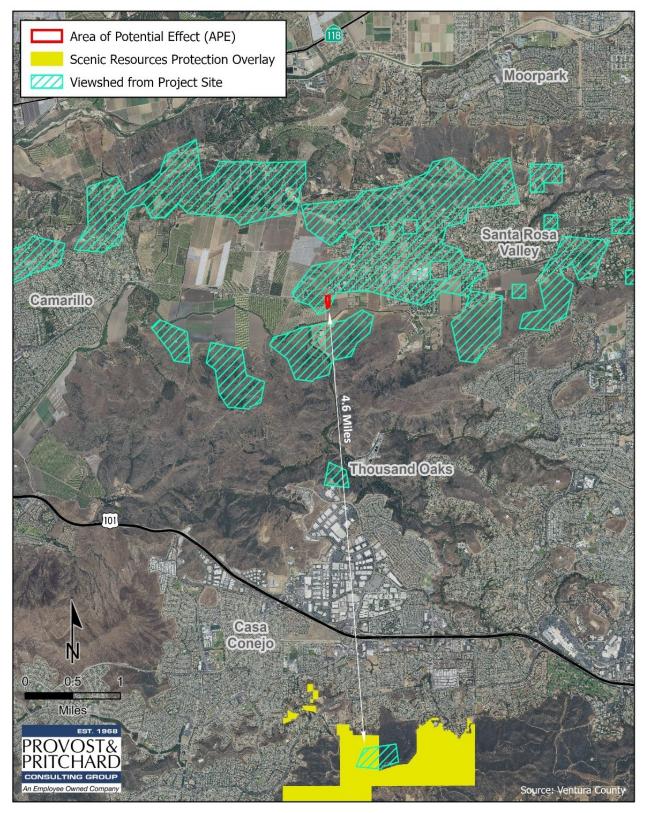


Figure 3-1. Viewshed Map

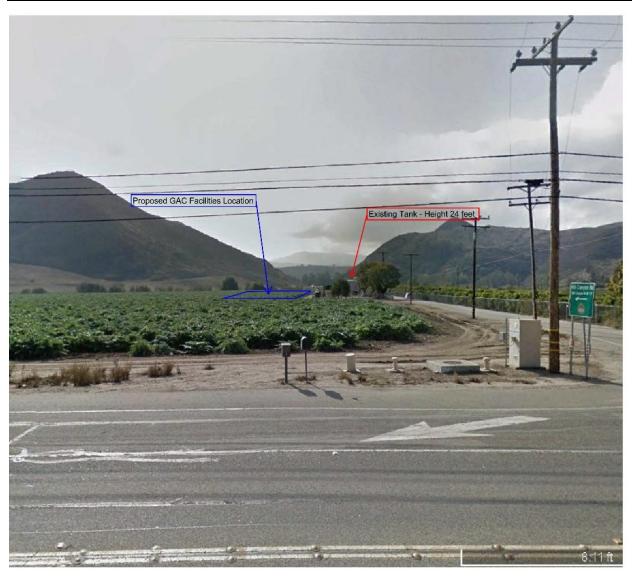


Figure 3-2. Scenic Vista Viewpoint

3.3 Agriculture and Forestry Resources

Table 3-2. Agriculture and Forest Impacts

	Agriculture and Forest Impacts						
	Would the project:	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact		
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?			\boxtimes			
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?						
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				\boxtimes		
d)	Result in the loss of forest land or conversion of forest land to non-forest use?				\boxtimes		
e)	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?						

3.3.1 Environmental Setting and Baseline Conditions

Farmland Mapping and Monitoring Program (FMMP): The FMMP produces maps and statistical data used for analyzing impacts to California's agricultural resources. Agricultural land is rated according to soil quality and irrigation status; the best quality land is called Prime Farmland. The maps are updated every two years with the use of a computer mapping system, aerial imagery, public review, and field reconnaissance.

The California Department of Conservation (DOC) 2018 FMMP is a non-regulatory program that produces "Important Farmland" maps and statistical data used for analyzing impacts on California's agricultural resources. The Important Farmland maps identify eight land use categories, five of which are agriculture related: prime farmland, farmland of statewide importance, unique farmland, farmland of local importance, and grazing land – rated according to soil quality and irrigation status. Each is summarized below:

- PRIME FARMLAND (P): Farmland with the best combination of physical and chemical features able to sustain long term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.
- FARMLAND OF STATEWIDE IMPORTANCE (S): Farmland similar to Prime Farmland but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.

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- UNIQUE FARMLAND (U): Farmland of lesser quality soils used for the production of the state's leading agricultural crops. This land is usually irrigated but may include non- irrigated orchards or vineyards as found in some climatic zones in California. Land must have been cropped at some time during the four years prior to the mapping date.
- FARMLAND OF LOCAL IMPORTANCE (L): Land of importance to the local agricultural economy as determined by each county's board of supervisors and a local advisory committee.
- GRAZING LAND (G): Land on which the existing vegetation is suited to the grazing of livestock. The minimum mapping unit for Grazing Land is 40 acres.
- URBAN AND BUILT-UP LAND (D): Land occupied by structures with a building density of at least 1 unit to 1.5 acres, or approximately 6 structures to a 10-acre parcel. This land is used for residential, industrial, commercial, institutional, public administrative purposes, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes.
- OTHER LAND (X): Land not included in any other mapping category. Common examples include low density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry or aquaculture facilities; strip mines, borrow pits; and water bodies smaller than 40 acres. Vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as Other Land.
- •WATER (W): Perennial water bodies with an extent of at least 40 acres.

As demonstrated in Figure 3-3 below, the FMMP for Ventura County designates the Project site including the existing facility, as Prime Farmland. Adjacent lands are designated Prime Farmland to the south, east, and west. Across Santa Rosa Road, land is designated both Prime Farmland and Urban and Built-Up Land.

3.3.2 Thresholds of Significance

According to the County of Ventura Initial Study Assessment Guidelines³, "[a]ny project that would result in the direct and/or indirect loss of agricultural soils is considered as having a contribution to a significant cumulative impact". Any project that would result in the direct and/or indirect loss of agricultural soils meeting or exceeding the criteria found in **Table 3-3** would be considered as having a significant project impact:

Table 3-3. Thresholds for Agricultural Soils Lost

General Plan Land Use Designation	Important Farmland Inventory Classification	Acres Lost
	Prime/Statewide	5
Agricultural	Unique	10
	Local	15
	Prime/Statewide	10
Open Space	Unique	15
	Local	20
	Prime/Statewide	20
All Others	Unique	30
	Local	40

³ County of Ventura. Initial Study Assessment Guidelines. 2011. Website: docs.vcrma.org/images/pdf/planning/ceqa/current_ISAG.pdf. Accessed May 2021.

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Cumulative loss of agricultural soils was discussed in the Final EIR for the Comprehensive Amendment to the County General Plan (1988). The conclusions of that EIR stated that the General Plan contains policies and programs can serve to partially mitigate the cumulative impact of agricultural loss. Therefore, in accordance with Section 15183 of the CEQA Guidelines, additional cumulative environmental analysis is not required for any project that is consistent with the General Plan.

Ventura County voters adopted and subsequently renewed, in 1998 and 2016 respectively, a Save Open Space and Agricultural Resources (SOAR) ordinance⁴. SOAR requires, through the end of 2050, that General Plan Amendments of land designated Agricultural, Open Space, or Rural, to a non-listed land use designation first require voter approval or Board of Supervisor approval through a defined process. A significant and unavoidable impact would occur if the Project required redesignation from Open Space to a non-SOAR land use designation.

Ventura County Non-Coastal Zoning Ordinance Applicability of the Zoning Ordinance⁵ provides further guidance for zoning regulations for the unincorporated areas of Ventura County and "constitute the comprehensive zoning regulations for the unincorporated area of the County of Ventura, excluding the Coastal Zone, and are adopted to protect and promote the public health, safety and general welfare; to provide the environmental, economic and social advantages which result from an orderly, planned use of resources; to establish the most beneficial and convenient relationships among land uses and to implement Ventura County's General Plan.".

Government Code Section 53091(e) states that, "Zoning ordinances of a county or city shall not apply to the location or construction of facilities for the production, generation, storage, treatment, or transmission of water, or for the production or generation of electrical energy, facilities that are subject to Section 12808.5 of the Public Utilities Code, or electrical substations in an electrical transmission system that receives electricity at less than 100,000 volts."

3.3.3 Impact Assessment

a) Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

Less than significant Impact. The Project site and lands adjacent to it are designated Prime Farmland by the FMMP and Open Space by the Ventura County General Plan. However, the Project site is less than 10 acres. Therefore, in accordance with Section 15183 of the CEQA Guidelines, and based on the thresholds identified in Table 3-3 above, additional cumulative environmental analysis is not required for any project that is consistent with the General Plan. As the Project proposes to locate and construct a facility to treat water adjacent to existing facilities that produces and transmits water, the Project does not conflict with zoning requirements per Section 8101-2.1.2 of the Ventura County Non-Coastal Zoning Ordinance Applicability of the Zoning Ordinance which provides an exemption and reverts back to the Government Code discussed above allowing construction of facilities for the production, treatment, and generation of water. Further, the Ventura County Land Use Element of the General Plan does not prohibit water infrastructure in the Open Space land use designation, and therefore would not conflict the Ventura County General Plan land use designation, and thus there would be no conflict with SOAR. Furthermore, the OS-40 zone district allows for private facilities dedicated to water production, storage, transmission, and/or distribution. Therefore, the Project would not conflict with SOAR. The water treatment facility would have a less than significant impact on the conversion of prime farmland.

⁴ Ventura County, SOAR Ordinance, Website: https://docs.vcrma.org/images/pdf/planning/ordinances/SOAR_Measure_C_2050.pdf, Accessed May 2021.

⁵ Ventura County. Non-Coastal Zoning Ordinance. Website: https://vcrma.org/docs/images/pdf/planning/ordinances/VCNCZO Current.pdf. Accessed May 2021.

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b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract? No Impact. There are no Williamson Act contracted lands on the Project site. Additionally, pursuant to Government Code Section 53091(e),

"Zoning ordinances of a county or city shall not apply to the location or construction of facilities for the production, generation, storage, treatment, or transmission of water, or for the production or generation of electrical energy, facilities that are subject to Section 12808.5 of the Public Utilities Code..."

The Project is for the location and construction of facilities for the treatment of water. Therefore, the zoning ordinance of the County would not apply, and thus there would be no conflict with existing zoning for agricultural uses. There would be no impact.

- c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? And
- d) Would the project result in the loss of forest land or conversion of forest land to non-forest use? No Impact. There are no forest land or timberland in or near the Project. There would be no impact.
- e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

Less than Significant Impact. As discussed above the Project is exempt from local, State and federal regulations for the conversion of farmland to add water treatment to an existing drinking water facility. The conversion of the small amount of acreage (2.47 acres) to provide water quality treatment is under the thresholds for agricultural soils lost (see **Figure 3-1**). The changes in the existing environment would be a less than significant impact.

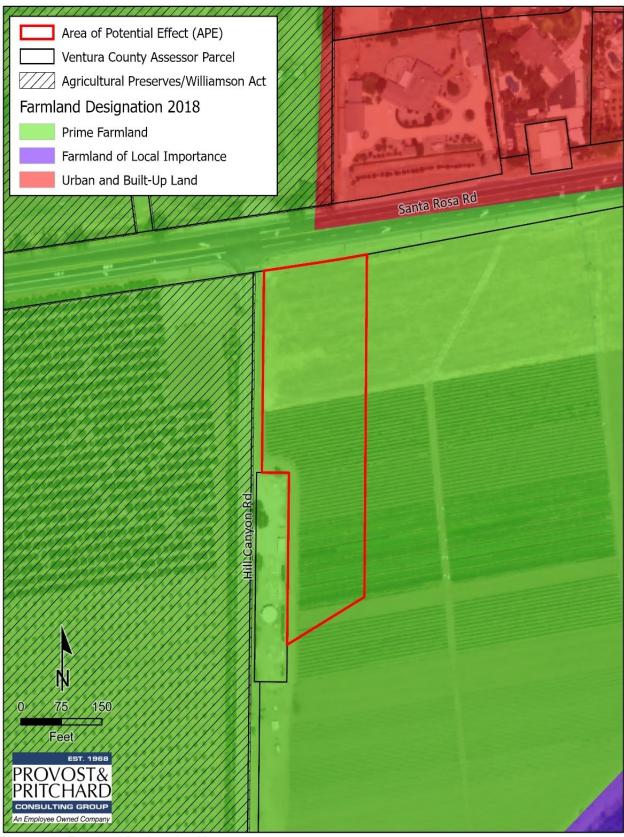


Figure 3-3. Farmland Designation Map

3.4 Air Quality

Table 3-4. Air Quality Impacts

I abic	able 5-4. All Quality Impacts						
	Air Quality Impacts						
mar	Where available, the significance criteria established by the applicable air quality nagement district or air pollution control district may be relied upon to make the following determinations. Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact		
a)	Conflict with or obstruct implementation of the applicable air quality plan?				\boxtimes		
b)				\boxtimes			
c)	Expose sensitive receptors to substantial pollutant concentrations?			\boxtimes			
d)	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?				\boxtimes		

3.4.1 Environmental Setting and Baseline Conditions

The Project is located in the South Central Coast Air Basin. The Ventura County Air Pollution Control District (VCAPCD) is the designated air quality control agency in the Ventura County portion of the Basin. VCAPCD provides Ventura County Air Quality Assessment Guidelines (Guidelines) which recommend specific criteria and threshold levels for determining whether a proposed project may have a significant adverse air quality impact. The Guidelines also provide mitigation measures that may be useful for mitigating the air quality impacts of proposed projects.⁶

3.4.1.1 Regulatory Attainment Designations

Under the California Clean Air Act (CCAA), the California Air Resources Board (CARB) is required to designate areas of the State as attainment, nonattainment, or unclassified with respect to applicable standards. An "attainment" designation for an area signifies that pollutant concentrations did not violate the applicable standard in that area. A "nonattainment" designation indicates that a pollutant concentration violated the applicable standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. Depending on the frequency and severity of pollutants exceeding applicable standards, the nonattainment designation can be further classified as serious nonattainment, severe nonattainment, or extreme nonattainment, with extreme nonattainment being the most severe of the classifications. An "unclassified" designation signifies that the data does not support either an attainment or nonattainment designation. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The EPA designates areas for ozone, CO, and NO₂ as "does not meet the primary standards," "cannot be classified," or "better than national standards." For SO₂, areas are designated as "does not meet the primary standards," "does not meet the secondary standards," "cannot be classified," or "better than national standards." However, the CARB terminology of attainment, nonattainment, and unclassified is more frequently used. The EPA uses the same sub-categories for nonattainment status: serious, severe, and extreme. In 1991, EPA assigned new nonattainment designations to areas that had previously been classified as Group I, II, or

⁶ Ventura County Air Quality Assessment Guidelines.. VCAQGuidelines.pdf (vcapcd.org) Accessed April 2021.

III for PM₁₀ based on the likelihood that they would violate national PM₁₀ standards. All other areas are designated "unclassified."

Ventura County is an attainment area for all standards shown in the "Ambient Air Quality Standards Chart" except for the following:

Table 3-5. State and Federal Nonattainment Pollutants Ventura County

Pollutant	Standard	Attainment Status
Ozono	1 Hour	State Nonattainment
Ozone	8 Hour	State and Federal Nonattainment
Particulate Matter PM10	24 Hour	State Nonattainment
randculate Matter FMT0	Annual Arithmetic Mean	State Monattaniment

3.4.2 Thresholds of Significance

Conclusions in this Air Quality Impact Assessment rely on model calculations (CalEEMod version 2020.4.0) (**Appendix A**). The sections below detail these conclusions and recommendations and utilize its conclusions in the impact determinations.

To assist local jurisdictions in the evaluation of air quality impacts, the Guidelines⁸ operate as a guidance document that includes recommended thresholds of significance to be used for the evaluation of short-term construction, long-term operational, odor, toxic air contaminant, and cumulative air quality impacts. Accordingly, the VCAPCD-recommended thresholds of significance are used to determine whether implementation of the project would result in a significant air quality impact. Projects that exceed these recommended thresholds would be considered to have a potentially significant impact to human health and welfare.

Assessment of the significance of project air quality impacts may be considered on a regional or localized level. Determination of project impacts on achieving the goal of air quality plans and evaluating impacts related to emissions of criteria pollutants are considered on both regional and localized levels in this analysis. Evaluation of impacts to sensitive receptors considers the project's localized criteria pollutant emissions in this analysis. Sources of the project's localized criteria pollutant emissions would include: reactive organic gases (ROG); Nitrogen oxides (NO_x); PM_{2.5}; PM₁₀; CO; NO₂; and Toxic Air Contaminants (TACs) which include acetaldehyde, benzene, 1.3 butadiene, carbon tetrachloride, hexavalent chromium, paradichlorobenzene, formaldehyde, methylene chloride, perchloroethylene, and diesel particulate matter a complex mixture of substances.

3.4.2.1 Short-Term Construction-Generated Emissions

Short-term construction emissions associated with the Project were estimated using CalEEMod. The emissions modeling includes emissions generated by construction and grading equipment most commonly associated with the site work, equipment delivery, and vehicle, equipment, and worker fuel usage. Emissions were quantified based on anticipated construction schedules and would occur over approximately eight months. All remaining assumptions were based on the default parameters contained in the model. Modeling assumptions and output files are included in **Appendix A**.

The VCAPCD is responsible for controlling emissions primarily from stationary sources. However, due to the temporary, short-term nature of construction emissions, the VCAPCD does not apply the quantitative emissions thresholds for ROC and NO_X to construction activities. Construction emissions would be temporary in nature and reduced through compliance with existing regulations, such as VCAPCD Fugitive Dust Rule 55.

⁷ Ambient Air Quality Standards Chart. <u>Ambient AQ 4may16.xlsx (ca.gov)</u> Site Accessed April 2021.

⁸ Ventura County Air Quality Assessment Guidelines. 2003. VCAQGuidelines.pdf (vcapcd.org) Site Accessed April 2021.

Construction of the Project is expected to begin after Project approval by the District with full buildout completed in 2022. The results of the emissions modeling for the Project are presented in Table 3-6.

Table 3-6 Short-Term -	 Construction-Generated 	Emissions of Criteria	Air Pollutants.
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		Daily Emissions (Pounds/Day)				
Year	ROG	NOx	CO	PM ₁₀	PM _{2.5}	
2021	1.5844	18.3161	11.0884	1.5205	0.7507	
2022	3.2730	17.0167	16.4121	4.0579	2.2586	
Maximum Emissions:	3.2730	18.3161	16.4121	4.0579	2.2586	
VCAPCD Significance Thresholds:	25	25	N/A	N/A	N/A	
Exceed VCAPCD Thresholds?	No	No	No	No	No	

3.4.2.2 Long-Term - Operational Emissions

The unmitigated long-term operational emissions for the Project are listed in **Table 3-7**. Operational emissions would occur over the lifetime of the Project and result from three main Project-specific sources: site electrical usage, fixed standby generator and maintenance, and motor vehicles (operations and maintenance crew) usage categorized as mobile sources in the table. Area source emissions are defined as emissions resulting from landscaping and painting. Energy source emissions would be from things on the site that require additional power. Completion of the Project is expected as early as 2022 and was used as the Project buildout modeling year as a conservative assumption. Modeling assumptions and output files are included in **Appendix A**.

Table 3-7. Unmitigated Long-Term Operational Emissions.

	Daily Emissions (Pounds/Day)				
Source	ROG	NOx	CO	PM_{10}	PM _{2.5}
Area	0.00	0.00	<0.01	0.00	0.00
Energy:	0.00	0.00	0.00	0.00	0.00
Chemical Deliveries	<0.01	0.01	<0.01	<0.01	<0.01
Carbon Deliveries	0.00	<0.01	<0.01	<0.01	<0.01
Generator Maintenance	0.14	0.38	0.35	0.02	0.02
Highest Operational Emissions Any Year	0.14	0.39	0.35	0.02	0.02
VCAPCD Significance Thresholds:	25	25	N/A	N/A	N/A
Exceed VCAPCD Thresholds?	No	No	No	No	No

Generator emissions are amortized to a daily emission amount.

3.4.3 Impact Assessment

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

No Impact. The CEQA Guidelines indicate that a significant impact would occur if the Project would conflict with or obstruct implementation of the applicable air quality plan. The 2016 Ventura County Air Quality Management Plan (AQMP) addresses the attainment and maintenance of the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS). The AQMP ozone control strategy is based on anticipated city and county population growth. Thus, a general plan amendment or revision that would increase population growth greater than that estimated in the 2016 Ventura County AQMP would have a significant cumulative adverse air quality impact. The Project would add GAC water treatment to an existing water facility and would not expand water production or result in an increase in population. As such, the Project would not directly or indirectly cause the existing population in the area to exceed the population

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forecasts in the most recently adopted AQMP. Construction and operation of the Project would not conflict with or obstruct the implementation of the VCAPCD AQMP. Therefore, the Project would have no impact to the implementation of applicable air quality plans.

b) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less than Significant Impact. The Project would generate short-term emissions associated with construction. Long-term emissions would consist of a negligible amount of power usage from the new booster pumps and approximately 14 additional traffic trips per year for delivery of water treatment chemicals and carbon replacement. Construction and operational emissions were estimated using CalEEMod version 2020.4.0. These results can be seen in **Table 3-6** and **Table 3-7**.

Fugitive dust control measures are required by VCAPCD Rule 55 and recommends minimizing fugitive dust, especially during grading and excavation operations, rather than quantifying fugitive dust emissions. Such measures include securing tarps over truck loads, removing vehicle track-out using PM10 efficient sweepers, and watering bulk material to minimize fugitive dust. As a result, compliance with Rule 55 would ensure that the construction emissions would not be generated in such quantities as to cause injury, detriment, nuisance, or annoyance to any considerable number of persons or the public, or that may endanger the comfort, repose, health, or safety of any such person or the public. Impacts from fugitive dust emissions during construction would be less than significant.

Operational criteria pollutant emissions would be negligible, as the Project would have minor area emissions, negligible additional energy sources of criteria pollutants, and minor additional Project-generated vehicle trips. The Project would not exceed the VCAPCD's significance thresholds, and cumulatively impacts would be less than significant.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact. The VCAPCD defines a sensitive receptor as members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of land or facilities that may have sensitive receptors include schools, hospitals, and elderly and daycare centers. The closest existing off-site sensitive receptor is Wildwood Elementary School, which is located approximately 2.45 miles to the southeast. Additionally, there are rural residences located to the north of the Project on adjacent properties. Currently besides the water facility there are seasonal agricultural operations that require the operation of heavy-duty, diesel-powered equipment and vehicles.

Exposure to Valley Fever during construction activities has been and continues to be a concern in Ventura County. The fungal spores responsible for Valley Fever generally grow in virgin, undisturbed soil. Substantial increases in the number of reported cases of Valley Fever tend to occur only after major ground-disturbing events such as the 1994 Northridge earthquake. Construction of the Project would take place on land that has been regularly disturbed through farming activities and is unlikely to pose a substantial risk of infection of Valley Fever to people in the Project area. Compliance with VCAPCD Rule 55 would reduce spore dispersal and dust generation. Compliance with VCAPCD rules, construction of the Project would not significantly increase the risk to public health above existing background levels.

Exposure to vehicle emissions during Project construction would be temporary and conditions created by Project operations would not vary substantially from the baseline conditions routinely experienced onsite and in the vicinity. Impacts would be less than significant.

⁹ Ventura County Air Quality Assessment Guidelines. 2003. <u>VCAQGuidelines.pdf (vcapcd.org)</u> Site Accessed April 2021.

¹⁰ Ventura County Air Quality Assessment Guidelines. 2003. VCAQGuidelines.pdf (vcapcd.org) Site Accessed April 2021.

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d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

No Impact. Land uses that are typically identified as sources of objectionable odors include landfills, transfer stations, sewage treatment plants, wastewater pump stations, composting facilities, feed lots, coffee roasters, asphalt batch plants, and rendering plants, among other uses. The Project would provide a non-odor producing drinking water treatment facility and does not include activities or land uses that would cause or add to existing odors. The Project would therefore have no impact with respect to generation of emissions leading to odors or other adverse or objectionable emissions.

3.5 **Biological Resources**

Table 3-8. Biological Resources Impacts

iable	able 3-8. Biological Resources impacts						
	Biological Reso	urces Impact	ts				
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact		
a)	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?						
b)	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?			\boxtimes			
c)	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				\boxtimes		
d)	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?			\boxtimes			
e)	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?						
f)	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?						

3.5.1 Environmental Setting and Baseline Conditions

The Project Area of Potential Effect (APE) is located in Santa Rosa Valley within southern Ventura County (see Figure 3-4). Santa Rosa Valley is located north of Newbury Park, between Thousand Oaks and Camarillo. While the valley largely consists of agricultural lands, high quality wildlife habitat exists to the south within the Conejo Canyons Open Space area, Mount Clef Ridge, and Wildwood Regional Park.

Like most of California, Ventura experiences a Mediterranean climate. Warm, dry summers are followed by cool, moist winters. Summer temperatures range between 70- and 80-degrees Fahrenheit (F) on the coastal plains, but often exceeds 90 degrees F in the upper reaches of the county. Winter minimum temperatures are near 40 degrees F on the coast but in the lower 30s and upper 20s in the northern parts of Ventura County.

Drier parts of the county get less than five inches of rain annually, and the higher and wetter parts get more than 60 inches annually.

The entire Project site lies within the Lower Conejo Arroyo sub-watershed; Hydrologic Unit Code (HUC): 180701030105, part of the Calleguas Creek watershed; HUC: 1807010301. The principal drainage in the vicinity is the ephemeral Arroyo Santa Rosa, which is located approximately 700 feet south of the APE and runs west to east through the Santa Rosa Valley. Arroyo Santa Rosa joins Arroyo Conejo west of Hill Canyon Road where discharges from the Hill Canyon Wastewater treatment plant are released. Eventually the waterbody joins Calleguas Creek and drains into the Mugu Lagoon estuary.

A reconnaissance-level field survey of the APE (see Figure 3-5) and surrounding areas was conducted on March 24, 2021, to identify existing conditions. The survey consisted of walking the APE while identifying and noting land uses, biological habitats and communities, and plant and animal species encountered. Furthermore, the APE was assessed for suitable habitats of various wildlife species.

The biologist conducted an analysis of potential Project-related impacts to biological resources based on the resources known to exist or with potential to exist within the APE. Sources of information used in preparation of this analysis included: the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB); the California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Vascular Plants of California; CalFlora online database of California native plants; the Jepson Herbarium online database (Jepson eFlora); United States Fish and Wildlife Service (USFWS) Environmental Conservation Online System (ECOS); the NatureServe Explorer online database; the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Plants Database; CDFW California Wildlife Habitat Relationships (CWHR) database; the California Herps online database; and various manuals, reports, and references related to plants and animals found in this region.

The field investigation did not include a wetland delineation or focused surveys for special status species. The field survey conducted included the appropriate level of detail to assess the significance of potential impacts to sensitive biological resources resulting from the Project. Furthermore, the field survey was sufficient to generally describe those features of the Project that could be subject to the jurisdiction of federal and/or State agencies, such as the United States Army Corps of Engineers (USACE), CDFW, Regional Water Quality Control Board (RWQCB) and State Water Resources Control Board (SWRCB) and used to support the California Environmental Quality Act (CEQA) documents.

During a biological survey the 2.47-acre site was comprised of the existing gravel lined pump site and a grassy, fallow portion of a larger agricultural field. A few rodent burrows were present within the fenced area of the well site, as well as several bird species, including common raven (Corvus corax), white-crowned sparrow (Zonotrichia leucophrys), Anna's hummingbird (Calypte anna), American crow (Corvus brachyrhynchos), house finch (Haemorhous mexicanus), and lesser goldfinch (Spinus psaltria). The songbirds were observed primarily within the large western chokecherry (Prunus virginiana) shrubs located within the well site. The field portion of the APE was dominated by weedy plant species, including shepherd's purse (Capsella bursa-pastoris), cheeseweed (Malva parviflora), and goosegrass (Eleusine indica). The soils of the field were friable, but devoid of burrows. The field north of the APE and south of Santa Rosa Road was being used to grow artichokes (Cynara cardunculus) at the time of the survey. Song sparrow (Melospiza melodia) was the dominant bird species within the artichoke field. The fields were fallow and grassy to the south and east of the APE. A white-tailed kite (Elanus leucurus) was observed foraging and kiting over this southeastern portion of the field during the survey.

The survey was extended to include the riparian corridor along the Arroyo Santa Rosa. A bike path runs parallel to the north bank of the arroyo with a few willows and stands of mule fat (*Baccharis salicifolia*) growing along and within the banks. A Nuttall's woodpecker (*Picoides nuttallii*) was observed drumming on the side of a willow in this area. A cooper's hawk (*Accipiter cooperii*) was observed perching in a small oak (*Quercus sp.*) on the north bank of the Arroyo, west of Hill Canyon Road. The area to the south of the arroyo appeared to be high quality, open space, grassland habitat with a few trees. Red-tailed hawks (*Buteo jamaicensis*) were observed foraging in the grassland habitat.

3.5.2 Threshold of Significance

3.5.2.1 State

General plans, area plans, and specific projects are subject to the provisions of CEQA. The purpose of CEQA is to assess the impacts of Projects on the environment prior to project implementation. Impacts to biological resources are just one type of environmental impact assessed under CEQA and can vary from project to project in terms of scope and magnitude. Projects requiring removal of vegetation may result in the mortality or displacement of animals associated with this vegetation. Animals adapted to humans, roads, buildings, and pets may replace those species formerly occurring on a site. Plants and animals that are State and/or federally listed as threatened or endangered may be destroyed or displaced. Sensitive habitats such as wetlands and riparian woodlands may be altered or destroyed. Such impacts may be considered either "significant" or "less-than-significant" under CEQA. Specific project impacts to biological resources may be considered "significant" if they would:

- Have a substantial adverse effect, either directly or through habitat modifications, on any species
 identified as a candidate, sensitive, or special status species in local or regional plans, policies, or
 regulations, or by the CDFW or USFWS;
- Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the CDFW or USFWS;
- Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- Interfere substantially with the movement of any native resident or migratory fish or wildlife species
 or with established native resident or migratory wildlife corridors, or impede the use of native wildlife
 nursery sites;
- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; or
- Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan.

Furthermore, CEQA Guidelines Section 15065(a) states that a project may trigger the requirement to make a "mandatory finding of significance" if the project has the potential to:

"Substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species cause a fish or wildlife population to drop below self-sustaining levels threaten to eliminate a plant or animal community, reduce the number or restrict the range of an endangered, rare or threatened species, or eliminate important examples of the major periods of California history or prehistory."

3.5.2.2 Local

The Ventura County General Plan 2040 Conservation and Open Space Element contains the following goals and policies related to the preservation of biological resources that may be considered relevant to the Project's environmental review.

 Identify, preserve, protect, and restore sensitive biological resources, including federal and statedesignated endangered, threatened, rare, or candidate species and their supporting habitats; wetland and riparian habitats; coastal habitats; habitat connectivity and wildlife corridors; and habitats and species identified as "locally important" by the County.

- Ensure that discretionary development that could potentially impact sensitive biological resources be
 evaluated by a qualified biologist to assess impacts and, if necessary, develop mitigation measures that
 fully account for the impacted resource. When feasible, mitigation measures should adhere to the
 following priority: avoid impacts, minimize impacts, and compensate for impacts. If the impacts cannot
 be reduced to a less than significant level, findings of overriding considerations must be made by the
 decision-making body.
- Identify sensitive biological resources as part of any land use designation change to the General Plan Land Use Diagram or zone designation change to the Zoning Ordinance that would intensify the uses in a given area. The County shall prioritize conservation of areas with sensitive biological resources.
- Consider the development's potential project-specific and cumulative impacts on the movement of wildlife at a range of spatial scales including local scales (e.g., hundreds of feet) and regional scales (e.g., tens of miles).
- Consult with the California Department of Fish and Wildlife, the Regional Water Quality Control
 Board, the United States Fish and Wildlife Service, National Audubon Society, California Native Plant
 Society, National Park Service for development in the Santa Monica Mountains or Oak Park Area, and
 other resource management agencies, as applicable during the review of discretionary development
 applications to ensure that impacts to biological resources, including rare, threatened, or endangered
 species, are avoided or minimized.

The County of Ventura Resource Management Agency has a tree protection ordinance which protects non-coastal and costal zones. In the non-coastal zone, protected trees include all oaks and sycamores 9.5 inches in circumference or larger (measured at least 4.5 feet above ground), trees of any species with a historical designation, trees of any species 90 inches in circumference or larger, and most 9.5-inch in circumference or larger native trees that are located in the Scenic Resources Protection Zone. In the coastal zone, protected trees include trees that are considered Environmentally Sensitive Habitat Areas, native trees, historic trees, and heritage trees. A permit is required even to alter a non-native tree or a non-native invasive tree species that is located in the coastal zone. Before any protected tree is trimmed, removed, or encroached upon, property owners should contact the Planning Division to ensure these activities are conducted in compliance with the Tree Protection Ordinance. A permit is required for many of these activities.

3.5.3 **Impact Assessment**

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less than Significant Impact with Mitigation Incorporated.

Species identified as candidate, sensitive, or special status species in local or regional plans, policies, or regulations by CDFW or USFWS that have the potential to be impacted by the Project are identified below with corresponding mitigation measures. California horned lark, coastal California gnatcatcher, least Bell's vireo, pallid bat, western mastiff bat, western red bat, and yellow warbler are species which have to potential to occur within the APE or vicinity (see **Table 3-9**). Both Cooper's Hawk and white-tailed kite were observed within the vicinity of the APE at the time of the survey. These species are discussed below with the corresponding mitigation measures.

Table 3-9. List of Special Status Animals with Potential to Occur Onsite and/or in the Vicinity.

Species	Status	Habitat	Occurrence on Project Site
American badger (Taxidea taxus)	CSC	Grasslands, savannas, and mountain meadows near timberline are preferred. Most abundant in drier open spaces of shrub and grassland. Burrows in soil.	Unlikely. Suitable burrows were absent during the biological survey. The disturbed habitats and clay soils onsite are unsuitable for this species. While high quality habitat exists in the mountains surrounding Santa Rosa Valley, frequent human disturbance present within the APE would likely discourage habitation of an elusive mammal, such as an American badger individual.
arroyo chub (<i>Gila orcuttii</i>)	CSC	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave & San Diego river basins. Found in slow water stream sections with mud or sand bottoms.	Absent . Suitable habitat is absent from the Project area.
bank swallow (Riparia riparia)	СТ	These aerial insectivores nest colonially in burrows constructed along vertical banks and bluffs near waterbodies. This disturbance tolerant species is also known to nest in man-made sites, such as quarries, mounds of gravel or dirt, and road cuts.	Absent. All regional recorded observations of this species are listed as "Extirpated" from the area on CNDDB. The APE is outside the current known range of this species.
Belding's savannah sparrow (Passerculus sandwichensis beldingi)	CE	Inhabits coastal salt marshes, from Santa Barbara south through San Diego County. Nests in <i>Salicornia</i> within and around the margins of tidal flats.	Absent. Suitable tidal habitat is absent from the Project area. The only regional recorded observation of this species occurred in coastal marsh habitat approximately 12 miles southwest of the APE.
Bell's sage sparrow (<i>Artemisiospiza</i> belli belli)	CWL	Nests in chaparral dominated by dense stands of chamise. Found in coastal sage scrub in the south of its range. Nests are located on the ground beneath a shrub or in a shrub 6-18 inches above ground.	Unlikely. Suitable nesting habitat is absent from the APE and surrounding lands. At most, an individual could pass through the site as a transient or during migration. The only regional recorded observation of this species occurred approximately 9.5 miles northeast of the APE.
burrowing owl (Athene cunicularia)	CSC	Resides in open, dry annual or perennial grasslands, deserts, and scrublands with low growing vegetation. Nests underground in existing burrows created by mammals, most often ground squirrels.	Unlikely. The presence of large trees and raptor perches makes this site unsuitable for burrowing owl. Ground squirrels and suitable burrows were scarce, and no owl signs were observed during the field survey. The nearest recorded observation of this species occurred approximately 9 miles west of the APE.
California brown pelican (Pelecanus occidentalis californicus)	CFP	A colonial nester on coastal islands just outside the surf line. Nests on coastal islands of small to moderate size which afford immunity from attack by ground-dwelling predators.	Absent . Suitable coastal habitat is absent from the APE and surrounding lands.
California glossy snake	CSC	Inhabits arid scrub, rocky washes, grasslands, and chaparral. Prefers open areas with loose soil for easy burrowing.	Unlikely. The disturbed habitats of the APE and surrounding lands are unsuitable for this species. The only regional

Species	Status	Habitat	Occurrence on Project Site
(Arizona elegans occidentalis)			recorded observation of this species occurred 25 years ago in a dry stream channel approximately 6.5 miles northeast of the APE. High quality habitat is present south of Arroyo Santa Rosa, so at most this species may pass through the area during dispersal.
California horned lark (Eremophila alpestris actia)	CWL	Frequents open habitats, including short-grass prairie, mountain meadows, open coastal plains, fallow grain fields, and alkali flats. Found primarily in coastal regions, including Sonoma and San Diego Counties.	Possible. Suitable prairie habitat is present directly south of Arroyo Santa Rosa, with alternative foraging habitat available within the fallow field of the APE. Although presence of raptors and the highly disturbed nature of the site may discourage nesting.
California least tern (Sternula antillarum browni)	CFP	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, landfills, or paved areas.	Absent. Suitable coastal habitat is absent from the APE and surrounding lands. The only regional recorded observation of this species occurred along a beach near salt marshes approximately 15 miles southwest of the APE.
California legless lizard (Anniella sp.)	CSC	Inhabits a variety of habitats which contain moist, loose soils and plant cover. Often can be found under objects such as rocks, boards, driftwood, and logs.	Unlikely. The disturbed habitats of the Project area and surrounding lands are unsuitable for this species. Individuals may pass through the area during dispersal to higher quality habitat south of Arroyo Santa Rosa.
coast horned lizard (Phrynosoma blainvillii)	CSC	Found in grasslands, coniferous forests, woodlands, and chaparral, primarily in open areas with patches of loose, sandy soil and low-lying vegetation in valleys, foothills, and semi-arid mountains. Frequently found near ant hills and along dirt roads in lowlands along sandy washes with scattered shrubs.	Unlikely. The disturbed habitats of the APE and surrounding lands are unsuitable for this species. Individuals may pass through the area during dispersal to higher quality habitat south of Arroyo Santa Rosa.
coastal California gnatcatcher (Polioptila californica californica)	FT, CSC	Obligate, permanent resident of coastal sage scrub below 2,500 ft in Southern California. Found in low, coastal sage scrub in arid washes, as well as on mesas and slopes.	Possible. There have been multiple, recent observations of this species within and adjacent to Wildwood Regional Park, approximately 1.5 southeast of the APE. The open space habitats south of the Arroyo Santa Rosa and Arroyo Conejo could function as suitable foraging, breeding, and nesting habitat. While the habitats within and directly adjacent to the APE are marginal for this species, it is in close proximity to high quality habitat.
coastal whiptail (Aspidoscelis tigris stejnegeri)	CSC	Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland & riparian areas. Moves on various substrates including firm soil, sand, and rocks.	Absent. Habitats required by this species are absent from the APE and surrounding lands. The small riparian corridor adjacent to the Arroyo Santa Rosa would be considered marginal habitat, and disturbance from agriculture would discourage this species from utilizing the area.

Species	Status	Habitat	Occurrence on Project Site
Cooper's hawk (Accipiter cooperii)	CWL	Inhabits open, interrupted, and marginal woodlands. Nests mainly in riparian growths of deciduous trees, including canyon bottoms on river floodplains, and live oaks.	Present. This species was observed roosting in a willow west of Hill Canyon Road adjacent to Arroyo Santa Rosa at the time of the survey.
ferruginous hawk (Buteo regalis)	CWL	Inhabits open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats. Preys on lagomorphs, ground squirrels and mice.	Unlikely. The presence of other raptors suggests that the area could serve as suitable foraging habitat for this species, however the APE is within the southwestern most range of its wintering habitat. The only regional recorded observation of this species occurred adjacent to Mugu Lagoon 30 years ago, approximately 12.5 miles southwest of the APE.
golden eagle (Aquila chrysaetod)	CFP	This species typically nests on cliff ledges or large trees, rarely on the ground. They prefer an expanse of open terrain and are found over tundra, prairie, rangeland, desert, and grasslands.	Unlikely. The highly disturbed habitats of the APE and surrounding lands are largely unsuitable for this species. The only regional observations of this species occurred more than 30 years ago. While the open space habitats south of Arroyo Santa Rosa and Arroyo Conejo could serve as suitable foraging habitat, lack of large trees makes the area marginal.
least Bell's vireo (Vireo bellii pusillus)	FE, CE	This migratory species breeds in southern California. Breeding habitat consists of dense, low, shrubby, riparian vegetation in the vicinity of water or dry river bottoms. By the early 1980s, this species was extirpated from most of its historic range in California, including the Central Valley. This species now occurs exclusively along the coast of southern California (USFWS, 1998).	Possible. An observation of this species was made directly adjacent to the APE in 2008, when a nest was identified in a tree north of Arroyo Santa Rosa. There are 20 regional observations of this species, 16 of which have occurred since 2005. Given the high occurrence of nest site fidelity in this species, there is a possibility that it will use the area for nesting again in the future (Kus 2002).
light-footed Ridgway's rail (Rallus obsoletus levipes)	FE, CE, CFP	Found in salt marshes traversed by tidal sloughs, where cordgrass and pickleweed are the dominant vegetation. Feeds on mollusks and crustaceans.	Absent. Suitable roosting and foraging habitat are absent from the APE and surrounding area. The only regional recorded observation of this species occurred in tidal marsh habitat approximately 14 miles southwest of the APE.
pallid bat (Antrozous pallidus)	CSC	Found in grasslands, chaparral, and woodlands, where it feeds on groundand vegetation-dwelling arthropods, and occasionally takes insects in flight. Prefers to roost in rock crevices, but may also use tree cavities, caves, bridges, and other man-made structures.	Possible. An observation of this species was recorded in 2004 near an ephemeral pond in grassland habitat approximately 9 miles east of the APE. This species may forage within the APE and other agricultural fields in the immediate area.
quino checkerspot butterfly (Euphydryas editha quino)	FE	Found in sunny openings within chaparral & coastal sage shrublands in parts of Riverside & San Diego counties. Need high densities of food	Absent . Species is considered 'Extirpated' in Los Angeles County by USFWS.

Species	Status	Habitat	Occurrence on Project Site
		plants Plantago erecta, P. insularis, and	
Riverside fairy shrimp (Streptocephalus woottoni)	FE	Orthocarpus purpurescens. Found only in vernal pools, ponds, and other ephemeral pool-like bodies of water. During dry periods, cysts of the species lay dormant in the soil and hatch when adequate rainfall fills the ponds and pools.	Absent . Vernal pool habitat is absent from the APE and surrounding lands.
San Diego desert woodrat (Neotoma lepida intermedia)	CSC	Inhabits coastal scrub habitats of Southern California from San Diego County to San Luis Obispo County. Prefers moderate to dense canopies. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	Unlikely. Dense tree canopies are absent from the APE and surrounding lands. The nearest recorded observation of this species occurred 29 years ago approximately 3 miles north of the APE in dense riparian habitat.
Santa Ana sucker (Catostomus santaanae)	FT	Endemic to Los Angeles Basin south coastal streams. Habitat generalist, but prefers sand-rubble-boulder bottoms, cool, clear water, and algae.	Absent . Suitable aquatic habitat is absent from the APE.
south coast gartersnake (Thamnophis sirtalis pop. 1)	CSC	Occurs in Southern California coastal plains from Ventura County to San Diego County, and from sea level to about 850 m. Prefers marsh and upland habitats near permanent water with good strips of riparian vegetation.	Unlikely. The highly disturbed habitats of the APE and surrounding lands are largely unsuitable for this species. The ephemeral nature of the Arroyo Santa Rosa makes the lands adjacent to the APE less than marginal for this species. The only regional recorded observation of this species occurred directly north of the Santa Clara River channel.
south coast marsh vole (Microtus californicus stephensi)	CSC	Occurs in a narrow band of wetland communities and associated grasslands in the immediate coastal zone from southern Ventura County to northern Orange County. Herbivorous, eating mostly grasses and roots, but also relies on sedges, fruits and forbs in certain areas. In the winter, the vole eats mostly roots and underground plant parts. Grain will also be eaten when available.	Absent. The APE is outside the current known range of this species. The only regional recorded observation of this species occurred in 1941 in salt marsh habitat approximately 12 miles southwest of the APE.
southern California legless lizard (Anniella stebbinsi)	SSC	Found in broadleaved upland forest, chaparral coastal dunes, and coastal scrub. They prefer soils with a high moisture content.	Absent . Habitats and soils required by this species are absent from the APE.
southern California rufous- crowned sparrow (Aimophila ruficeps canescens)	CWL	Resident in Southern California coastal sage scrub and sparse mixed chaparral. Frequents relatively steep, often rocky hillsides with grass and forb patches.	Unlikely. The highly disturbed habitats of the APE are largely unsuitable for this species. Suitable habitat is present north of the Arroyo Santa Rosa and Arroyo Conejo. The elevation of the APE is far outside the lower limit of the species' foraging range, and suitable vegetation is absent for breeding habitat. At most, an individual could pass through the site as a transient or during migration.

Species	Status	Habitat	Occurrence on Project Site
southern California saltmarsh shrew (Sorex ornatus salicornicus)	CSC	Occurs in coastal marshes in Los Angeles, Orange and Ventura counties. Requires dense vegetation and woody debris for cover.	Absent. Salt marsh habitat required by this species is absent from the APE and surrounding lands. The only regional recorded observation of this species occurred in 1941 approximately 12 miles southwest of the APE.
southwestern willow flycatcher (Empidonax traillii extimus)	FE, CE	Found primarily in extensive willow thickets. Breeding populations are found only in isolated meadows of the Sierra Nevada, and along the Kern, Santa Margarita, San Luis Rey, and Santa Ynez Rivers in southern California. Between August and September, this species migrates to wintering grounds in Mexico, Central America, and possibly northern South America.	Unlikely. The small stands of willows growing adjacent to the Arroyo Santa Rosa are marginal at best for these species. The only two regional recorded observations have occurred in close proximity to the Santa Clara River in riparian woodland habitat.
Steelhead – Central Valley DPS (Oncorhynchus mykiss irideus pop.11)	FT	This winter-run fish begins migration to fresh water during peak flows during December and February. Spawning season is typically from February to April. After hatching, fry move to deeper, mid-channel habitats in late summer and fall. In general, both juveniles and adults prefer complex habitat boulders, submerged clay and undercut banks, and large woody debris.	Absent. Suitable perennial aquatic habitat for this species is absent from the Project area and surrounding lands.
tidewater goby (Eucyclogobius newberryi)	FE	Occurs in brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County to the mouth of the Smith River. Found in shallow lagoons and lower stream reaches, they need fairly still but not stagnant water and high oxygen levels.	Absent . Suitable aquatic habitat is absent from the APE. This species is listed as 'Possibly Extirpated' from the area on CNDDB.
tricolored blackbird (Agelaius tricolor)	CT, CSC	Nests colonially near fresh water in dense cattails or tules, or in thickets of riparian shrubs. Forages in grassland and cropland. Large colonies are often found on dairy farm forage fields.	Absent. Habitats required by this species are absent from the APE and surrounding lands. Foraging opportunities in the fallow fields of the APE are less than marginal. The nearest recorded observation of this species occurred within emergent aquatic habitat adjacent to Lake Sherwood approximately 7 miles southeast of the APE in 1994.
two-striped gartersnake (Thamnophis hammondii)	CSC	Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	Absent. Habitats required by this species are absent from the APE. Arroyo Santa Rosa is an ephemeral water body and therefore dry for large portions of the year.
unarmored threespine stickleback	FE, CE, CFP	Inhabits weedy pools, backwaters, and among emergent vegetation at the stream edge in small Southern California streams. Requires cool (<24	Absent . Suitable aquatic habitat is absent from the APE.

Species	Status	Habitat	Occurrence on Project Site
(Gasterosteus		C), clear water with abundant	, , , , , , , , , , , , , , , , , , , ,
aculeatus williamsoni)		vegetation.	
western mastiff bat (Eumops perotis californicus)	CSC	Found in open, arid to semi-arid habitats, including dry desert washes, flood plains, chaparral, oak woodland, open ponderosa pine forest, grassland, and agricultural areas, where it feeds on insects in flight. Roosts most commonly in crevices in cliff faces but may also use high buildings and tunnels.	Possible. Suitable roosting habitat is present in close proximity to the APE, including Elliot Mountain, Lizard Rock, and Mountclef Ridge, all of which are less than a mile south of the Project boundary. This species may forage over the APE and other agricultural fields in the immediate area.
western pond turtle (Emys marmorata)	CSC	An aquatic turtle of ponds, marshes, slow-moving rivers, streams, and irrigation ditches with riparian vegetation. Requires adequate basking sites and sandy banks or grassy open fields to deposit eggs.	Unlikely. The highly disturbed habitats of the APE and surrounding lands are unsuitable for this species. Typical preferred aquatic habitat is absent from the Project site, and terrestrial habitat is unsuitable due to frequent ground disturbance associated with agricultural production. Riparian restoration efforts associated with wastewater discharge in Arroyo Conejo have focused on mitigating impacts to this species. Also, this species is known to inhabit Wildwood Regional Park, located approximately 1 mile south of the APE.
western red bat (Lasiurus blossevillii)	CSC	Roosts primarily in trees, 2–40 ft above ground, from sea level up through mixed conifer forests. Prefers habitat edges and mosaics with trees that are protected from above and open below with open areas for foraging.	Possible. Breeding habitat is absent from the APE and surrounding lands. The ruderal field could be used for nocturnal foraging.
western snowy plover (Charadrius alexandrinus nivosus)	FT, CSC	Typically found on sandy beaches, salt pond levees, and shores of large alkali lakes.	Absent. Suitable nesting habitat for this species is absent from the APE and surrounding lands. All regional recorded observations have taken place in coastal dune habitat, approximately 14.5 miles southwest of the APE.
western spadefoot (Spea hammondii)	CSC	Prefers open areas with sandy or gravelly soils, in a variety of habitats including mixed woodlands, grasslands, coastal sage scrub, chaparral, sandy washes, lowlands, river floodplains, alluvial fans, playas, alkali flats, foothills, and mountains. Vernal pools or temporary wetlands, lasting a minimum of three weeks, which do not contain bullfrogs, fish, or crayfish are necessary for breeding.	Absent. The highly disturbed habitats of the Project area and surrounding lands are unsuitable for this species. Wetland or vernal pool habitat suitable for breeding is absent from the APE and potential aestivation habitat is marginal, at best.
western yellow- billed cuckoo (Coccyzus americanus occidentalis)	FT, CE	Suitable nesting habitat in California includes dense riparian willow-cottonwood and mesquite habitats along a perennial river. Once a common breeding species in riparian habitats of lowland California, this	Absent. The APE is outside the current known range of this species. One of the only two regional recorded observations of this species is listed as 'Possibly Extirpated' from the area.

Species	Status	Habitat	Occurrence on Project Site
		species currently breeds consistently in only two locations in the State: along the Sacramento and South Fork Kern Rivers.	
white-tailed kite (Elanus leucurus)	CFP	Occurs in rolling foothills and valley margins with scattered oaks & river bottomlands or marshes next to deciduous woodland. Utilizes open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	Present . This species was observed foraging in the field directly southeast of the APE at the time of the survey.
yellow warbler (Setophaga petechia)	CSC	Inhabits riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	Possible. Suitable nesting habitat is present in close proximity to the APE in the form of willows lining the banks of the Arroyo Santa Rosa. The fallow field within the APE could serve as marginal foraging habitat for this species. The only regional recorded observation of this species occurred adjacent to the Santa Clara river, approximately 11 miles northwest of the APE.

All 32 of the special status plant species which have been documented in the Project vicinity are considered absent from the Project area due to past or ongoing disturbance and/or the absence of suitable soils and/or habitat (see Table 3-10). The following species were deemed absent from the Project site: Agoura Hills dudleya, Blochman's dudleya, Braunton's milk-vetch, California Orcutt Grass, California screw moss, chaparral nolina, Chaparral ragwort, conejo buckwheat, Conejo dudleya, Coulter's goldfields, Coulter's saltbush, dune larkspur, estuary seablite, Gerry's curly-leaved monardella, Lyon's pentachaeta, Malibu baccharis, marcescent dudleya, mesa horkelia, Nuttall's scrub oak, Ojai navarretia, Orcutt's pincushion, Parry's spineflower, Payne's bush lupine, salt marsh bird's-beak, Santa Monica dudleya, Santa Susana tarplant, slender mariposa-lily, Sonoran maiden fern, southern tarplant, Verity's dudleya, white rabbit-tobacco, and white-veined monardella. Implementation of the Project will have no effect on individual plants or regional populations of these special status plant species. Mitigation measures are not warranted.

Table 3-10. List of Special Status Plants with Potential to Occur Onsite and/or in the Vicinity.

Species	Table 3-10. List of Special Status Plants with Potential to Occur Onsite and/or in the Vicinity. Species Status Habitat Occurrence on Project Site			
Species	Status	Found in the Western Transverse	Absent. Suitable plant communities and	
Agoura Hills dudleya (<i>Dudleya cymosa</i> ssp. agourensis)	FT, CNPS 1B	ranges, Peninsular ranges, and the San Jacinto Mountains. Grows in chaparral and cismontane woodland in Rocky, volcanic breccia at elevations below 1510 feet. Blooms May – June.	soils are absent from the APE. All regional recorded observations have occurred south of United States Route 101, in the vicinity of Lake Sherwood, Las Virgenes Reservoir, and Ladyface Mountain.	
Blochman's dudleya (Dudleya blochmaniae ssp. blochmaniae)	CNPS 1B	Found with coastal scrub, coastal bluff scrub, chaparral, valley and foothill grassland habitats along the Central Coast, South Coast, and within the northern Channel Islands. Grows in open, rocky slopes; often in shallow clays over serpentine or in rocky areas with little soil at elevations below 1,475 feet. Blooms April – June.	Absent. Suitable plant communities and soils are absent from the APE.	
Braunton's milkvetch (Astragalus brauntonii)	FE, CNPS 1B	Found in chaparral, coastal scrub, valley and foothill grassland in southern California. A soil specialist; requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. Grows at elevations below 2,130 feet. Blooms March – July.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species.	
California Orcutt Grass (Orcuttia californica)	FE	Found throughout coastal southern California in the Transverse Ranges, San Gabriel mountains, Peninsular Ranges, and the San Jacinto Mountains. Grows in vernal pool habitats at elevations below 2295 feet. Blooms April – August.	Absent . Suitable vernal pool habitat is absent from the APE and surrounding lands.	
California screw moss (Tortula californica)	CNPS 1B	Found in scrublands, and valley-foothill grasslands across California. Grows in sandy soils at elevations between 33 and 4,790 feet.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. All regional recorded observations of this species have occurred within the Santa Monica Mountains south of Hidden Valley.	
chaparral nolina (Nolina cismontana)	CNPS 1B	Found throughout coastal southern California in chaparral and coastal scrub habitat. Primarily grows on sandstone and shale substrates at elevations between 460 – 4,260 feet. Blooms May – July.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. All regional recorded observations of this species have occurred in the vicinity of Lindero Canyon, approximately 6.5 miles east of the APE. The APE is outside the lower elevational range of this species.	
Chaparral ragwort (Senecio aphanactis)	CNPS 2B	Found in chaparral, cismontane woodland, and coastal scrub, typically within drying alkaline flats at elevations between 65–2,800 feet. Blooms February–May.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species.	
conejo buckwheat (Eriogonum crocatum)	CR, CNPS 1B	This species is endemic to the Western transverse Ranges of southern California. Grows in rocky sites within chaparral, coastal scrub, valley and foothill grassland habitats at elevations between 200 – 1,900 feet. Blooms April – July.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.	

Species	Status	Habitat	Occurrence on Project Site
Conejo dudleya (<i>Dudleya parva</i>)	FT, CNPS 1B	This species is endemic to the Western transverse Ranges of southern California. Grows in clay or volcanic soils on rocky slopes and grassy hillsides in coastal scrub, valley and foothill grassland habitats at elevations between 195 – 1,475 feet. Blooms May – July.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Coulter's goldfields (Lasthenia glabrata ssp. coulteri)	CNPS 1B	Found on alkaline or saline soils in vernal pools and playas in grassland at elevations below 4500 feet. Blooms April–May.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species is from a collection dated 1982 and is mapped approximately 15 miles southwest of the APE.
Coulter's saltbush (Atriplex coulteri)	CNPS 1B	Found on ocean bluffs and ridgetops in alkaline or clay soils along the south coast of southern California and throughout the Channel Islands. Grows in coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland habitats at elevations below 1,640 feet. Blooms March – October.	Absent. Suitable habitats and soils are absent from the APE and surrounding lands. The only regional recorded observations of this species are from historic collections and are map approximately 14 miles southwest of the APE.
dune larkspur (Delphinium parryi ssp. blochmaniae)	CNPS 1B	Occurs throughout the central and south coast of California in rocky areas of chaparral and coastal dune habitats. Grows at elevations below 1,000 feet. Blooms April – May.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species is mapped from an undated Lake Eleanor map, approximately 8.5 miles southeast of the APE.
estuary seablite (Suaeda esteroa)	CNPS 1B	Endemic to the south coast of California, this facultative wetland species is found in salt marsh and swamp habitats. Grows in clay, silt, and sand substrates at elevations below 260 feet. Blooms may – October.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. All three regional recorded observations of this species have occurred in the vicinity of Mugu Lagoon, approximately 13 miles southwest of the APE.
Gerry's curly-leaved monardella (Monardella sinuata ssp. gerryi)	CNPS 1B	Found in sandy openings in coastal scrub habitat along the coastal interior of Ventura and Los Angeles counties. Grows at elevations between 600 and 700 feet. Blooms April – June.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Lyon's pentachaeta (Pentachaeta lyonii)	FE, CE, CNPS 1B	Found in the Western Transverse range, the south coast of California, and the southern Channel Islands in chaparral, valley, foothill grassland, and coastal scrub habitats. Grows along the edges of clearings in chaparral, usually at the ecotone between grassland and chaparral or edges of firebreaks at elevations below 2,200 feet. Blooms March – August.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Malibu baccharis (Baccharis malibuensis)	CNPS 1B	Found in the Western Transverse Ranges and Peninsular Ranges, including the San Jacinto Mountains in coastal scrub, chaparral, cismontane	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.

Species	Status	Habitat	Occurrence on Project Site
·		woodland, and riparian woodland habitats. Grows in Conejo volcanic substrates, often on exposed roadcuts, and sometimes occupies oak woodland habitat. Elevational range of 165 – 1,050 feet. Blooms August – September.	
marcescent dudleya (Dudleya cymosa ssp. marcescens)	FT, CR, CNPS 1B	Endemic to the chaparral habitats of the Western transverse Ranges. Grows on sheer rock surfaces and rocky volcanic cliffs at elevations between 475 – 2,200 feet. Blooms May – June.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species.
mesa horkelia (Horkelia cuneata var. puberula)	CNPS 1B	Found throughout the central and south coast ranges of California in chaparral, cismontane woodland, and coastal scrub habitats. Grows in sandy or gravelly sites at elevations between 50 – 5,400 feet. Blooms March – July.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Nuttall's scrub oak (Quercus dumosa)	CNPS 1B	Found in the South Coast and Peninsular ranges in closed-cone coniferous forest, chaparral, and coastal scrub habitats. Generally grows on sandy soils near the coast; sometimes on clay loam, at elevations below 650 feet. Blooms March – May.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only two regional recorded observations of this species are mapped 6 miles southwest and 10 miles southeast of the APE, respectively.
Ojai navarretia (Navarretia ojaiensis)	CNPS 1B	Endemic to the chaparral, coastal scrub, valley and foothill grassland habitats of the Western Transverse Ranges. Grows in openings in shrublands or grasslands at elevations between 900 – 3280 feet. Blooms May – July.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species.
Orcutt's pincushion (Chaenactis glabriuscula var. orcuttiana)	CNPS 1B	Found along the south coast of California in coastal bluff scrub and coastal dune habitats. Grows in sandy sites at elevations below 325 feet. Blooms April – June.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species is from a historical collection dated 1898.
Parry's spineflower (Chorizanthe parryi var. parryi)	CNPS 1B	Found throughout southern California and the Sonoran Desert in coastal scrub, chaparral, cismontane woodland, valley and foothill grassland habitats. Grows in dry sandy soils on slopes and flats at elevations between 295 and 4,000 feet. Blooms May – June.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species. The only regional recorded observation of this species is from a historical collection dated 1957 and lists the species as 'Possibly Extirpated' from the area.
Payne's bush lupine (Lupinus paynei)	CNPS 1B	Found throughout coastal southern California in coastal scrub, riparian scrub, valley and foothill grassland habitats. Grows in sandy areas at elevations below 4,920 feet. Blooms April – June.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
salt marsh bird's- beak	FE, CE, CNPS 1B	Found along the south coast of southern California in marshes, swamps, and coastal dunes. Limited to the higher zones of salt marshes,	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the upper elevational range of this species.

Species	Status	Habitat	Occurrence on Project Site
(Chloropyron maritimum ssp. maritimum)		growing at elevations below 30 feet. Blooms May – October.	
Santa Monica dudleya (<i>Dudleya cymosa</i> ssp. ovatifolia)	FT, CNPS 1B	Found in both the Western Transverse and Peninsular Ranges in chaparral and coastal scrub habitats. Grows in canyons on volcanic or sedimentary substrates; primarily on north-facing slopes at elevations between 490 – 1,640 feet. Blooms May – June.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species. The only regional recorded observation of this species is mapped approximately 10 miles southeast of the APE and was recorded over 40 years ago.
Santa Susana tarplant (<i>Deinandra</i> minthornii)	CR, CNPS 1B	Endemic to the Western Transverse range, this species is found in chapparal and coastal scrub habitat. Grows On sandstone outcrops and crevices, in shrubland at elevations between 650 – 2,625 feet. Blooms June – November.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species.
slender mariposa- lily (Calochortus clavatus var. gracilis)	CNPS 1B	This species occurs in shaded foothill canyons in chaparral, coastal scrub, and grassland habitats at elevations below 6,000 feet. Blooms May – June.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Sonoran maiden fern (<i>Thelypteris</i> puberula var. sonorensis)	CNPS 1B	This species is found in the Western Transverse Ranges, South Coast, San Gabriel and San Jacinto Mountains in meadows and seeps. Grows along streams and seepage areas at elevations between 165 – 3,050 feet. Blooms January – September.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
southern tarplant (Centromadia parryi ssp. australis)	CNPS 1B	Found along the southern coast of California in marshes and swamps (margins), valley and foothill grassland, and vernal pools. Grows in disturbed sites near the coast at marsh edges; also, in alkaline soils sometimes with saltgrass, at elevations below 3,200 feet. Blooms June -October.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species occurred in a flood control area approximately 3 miles south of the APE.
Verity's dudleya (Dudleya verity)	FT, CNPS 1B	Endemic to the Western transverse ranges, this species is found in chaparral, cismontane woodland, coastal scrub habitats. Grows on volcanic rock outcrops in the Santa Monica Mountains at elevations between 200 – 1,000 feet. Blooms may – June.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. All regional recorded observations of this species have occurred in the area between Conejo Valley and Pleasant Valley, approximately 4 miles southwest of the APE.
white rabbit- tobacco (Pseudognaphalium leucocephalum)	CNPS 2B	This species occurs in coastal southern California, the San Bernardino Mountains, and San Jacinto Mountains in riparian woodland, cismontane woodland, coastal scrub, chaparral habitats. Grows in sandy, gravelly sites at elevations below 1,690 feet. Blooms July – October.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. All regional recorded observations have occurred in the direct vicinity of the Santa Clara river.

Species	Status	Habitat	Occurrence on Project Site
white-veined monardella (Monardella hypoleuca ssp. hypoleuca)	CNPS 1B	This species occurs in the outer south coast ranges and Western transverse ranges of California in chaparral and cismontane woodland habitats. Grows on dry slopes at elevations below 4,920 feet. Blooms May – October.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species is mapped within the Circle X Ranch, approximately 6 miles south of the APE.

EXPLANATION OF OCCURRENCE DESIGNATIONS AND STATUS CODES

Present: Species observed on the site at time of field surveys or during recent past.

Likely: Species not observed on the site, but it may reasonably be expected to occur there on a regular basis.

Possible: Species not observed on the site, but it could occur there from time to time.

Unlikely: Species not observed on the site, and would not be expected to occur there except, perhaps, as a transient.

Absent: Species not observed on the site, and precluded from occurring there due to absence of suitable habitat.

STATUS CODES

FE	Federally Endangered	CE	California Endangered
FT	Federally Threatened	CT	California Threatened
FPE	Federally Endangered (Proposed)	CCT	California Threatened (Candidate)
FPT	Federally Threatened (Proposed)	CFP	California Fully Protected
FC	Federal Candidate	CSC	California Species of Special Concern
		CWL	California Watch List
		CCE	California Endangered (Candidate)
		CR	California Rare
CNPS L	<u>ISTING</u>		
1A	Plants Presumed Extinct in California.	2	Plants Rare, Threatened, or Endangered in
1B	Plants Rare, Threatened, or Endangered in		California, but more common elsewhere.
	California and elsewhere.		

3.5.3.1 Mitigation Measures

Project-Related Mortality and/or Disturbance of Nesting Raptors, Migratory Birds, and Special Status Birds (Including Swainson's Hawk).

The Project site contains suitable nesting and/or foraging habitat for a variety of avian species. Ground nesting birds such as the killdeer (*Charadrius vociferus*) could nest on the bare ground or compacted dirt roads onsite. Black phoebe (*Sayornis nigricans*) and cliff swallow (*Petrochelidon pyrrhonota*) could nest on structures within or adjacent to waterways. Raptor species could utilize the small riparian corridor trees for nesting and the surrounding habitats for foraging. Birds nesting within the Project area during construction have the potential to be injured or killed by Project-related activities. In addition to the direct "take" of nesting birds, nesting birds within the Project site or adjacent areas could be disturbed by Project-related activities resulting in nest abandonment. Projects that adversely affect the nesting success of raptors and migratory birds or result in the mortality of individual birds is considered a violation of State and federal laws and are considered a potentially significant impact under CEQA.

Dense riparian shrub and coastal sage scrub nesting habitats required by least Bell's vireos and coastal California Gnatcatchers respectively, are absent from the APE, however marginal habitat for both species is present less than 0.1 miles from the southern APE boundary. While the Project proposes no removal or alteration of habitats required by these species, recorded observations of both species have occurred within 1.5 miles of the APE. Implementation of a pre-construction survey for nesting birds would determine the need for the mitigation measures described in both the Least Bell's Vireo Survey Guidelines (US Fish & Wildlife Service, 1/2001) and Coastal California Gnatcatcher Presence/Absence Survey Guidelines (US Fish & Wildlife Service, 2/1997). Should nests or individuals of either species be observed during the pre-construction survey, the aforementioned survey guidelines would reduce potential impacts to least bell's vireos and coastal California Gnatcatchers to a less than significant level under CEQA.

Nesting bird season is generally accepted as February 1 through August 31; however, raptor nesting season is generally accepted as March 1 through September 15. For simplicity, these timeframes have been combined.

Implementation of the following measures would reduce potential impacts to migratory and special status birds, including California horned lark, coastal California gnatcatcher, Cooper's hawk, least Bell's vireo, white-tailed kite, and yellow warbler to a less than significant level under CEQA and would ensure compliance with State and federal laws protecting these avian species.

The following measures will be implemented prior to the start of construction:

- **BIO-1a (Avoidance):** The Project's construction activities shall occur, if feasible, between September 16 and January 31 (outside of nesting bird season) in an effort to avoid impacts to nesting birds.
- **BIO-1b** (**Pre-construction Surveys**): If activities must occur within nesting bird season (February 1 to September 15), a qualified biologist shall conduct pre-construction surveys for nesting birds within 10 days prior to the start of construction. The survey shall include the entire work area and surrounding lands within 50 feet. All raptor nests will be considered "active" upon the nest-building stage.
- BIO-1c (Establish Buffers): On discovery of any active nests near work areas, the biologist shall determine appropriate construction setback distances based on applicable CDFW and/or USFWS guidelines and/or the biology of the species in question. Construction buffers shall be identified with flagging, fencing, or other easily visible means, and shall be maintained until the biologist has determined that the nestlings have fledged and are no longer dependent on the nest.
- BIO-1d (Additional Mitigation): On discovery of any coastal California gnatcatcher or least Bell's vireo individuals during the pre-construction survey, further mitigation measures may be required. Least Bell's Vireo Survey Guidelines (US Fish & Wildlife Service, 1/2001) and Coastal California Gnatcatcher Presence/Absence Survey Guidelines (US Fish & Wildlife Service, 2/1997) shall be consulted to determine appropriate further actions.
- BIO-1e (WEAP Training): On discovery of any special status bird species, all personnel associated with Project construction shall attend mandatory Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist, prior to initiating construction activities (including staging and mobilization). The specifics of this program shall include identification of the special status species and suitable habitats, a description of the regulatory status and general ecological characteristics of the species, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information, along with photographs or illustrations of the special status species, shall also be prepared for distribution to all contractors, their employees, and all other personnel involved with construction of the Project. All employees shall sign a form documenting that they have attended WEAP training and understand the information presented to them.

Project-Related Impacts to Special Status Bats

Although roosting and breeding habitat is absent from the APE, high quality roosting habitat is available south of Arroyo Santa Rosa in the area of Mountclef Ridge. The APE and surrounding agricultural fields provide suitable foraging habitat for multiple species of bat. If a special status bat were foraging onsite, it could be injured or killed by construction activities. Projects that adversely affect the reproductive success of special status species or result in the mortality of special status species are considered a violation of State and federal laws and are considered a potentially significant impact under CEQA.

Implementation of the following measure would reduce potential impacts to foraging special status bats, including pallid bat, western mastiff bat, and western red bat, to a less-than-significant-level under CEQA and would ensure compliance with State and federal laws protecting this species.

The following measures would be implemented during or prior to the start of construction:

• BIO-2a (Operational Hours): Construction activities shall be limited to daylight hours to reduce potential impacts to special status bats that could be foraging onsite.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less than Significant Impact. There are no CNDDB-designated "natural communities of special concern" recorded within the APE or surrounding lands. The APE is surrounded by intensively cultivated agricultural lands. The agricultural fields and associated operations, and nearby residential developments surrounding the APE have been present for nearly 30 years. Undoubtedly, some native wildlife species use the APE in the absence of preferred habitat. However, because of the aforementioned disturbance, the APE represents relatively low-quality habitat for native plants and animals. Impacts would be less than significant.

c) Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. The Project does not propose to alter the Arroyo Santa Rosa which is outside of the APE and there are no other natural water sources within or near the site. There would be no impact.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less than Significant Impact. The APE is flanked by intensively cultivated agricultural lands, residential development, and paved roads. The APE does not contain features that would be likely to function as a wildlife movement corridor. The dry streambed and canal banks of the Arroyo Santa Rosa located 700 feet south of the APE, would however, likely function as a movement corridor to relocate to a higher quality habitat. The Project does not propose work in or near the Arroyo Santa Rosa or alter the stream as part of Project activities. Intensive agricultural cultivation practices and human disturbance within the Santa Rosa Valley would likely discourage dispersal and migration. At most, domestic dogs, coyotes, and common gray foxes may utilize the arroyo to travel between agricultural lands while foraging nocturnally. For these reasons, implementation of the Project would not have a significant impact on wildlife movement corridors.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less than Significant Impact. The Project does not conflict with local policies or ordinances protecting biological resources. Tree removal activities are not proposed as part of the Project. The Project is consistent with the goals and policies of the Ventura County General Plan. To ensure the protection of biological resources mitigation measures identified about include **BIO-1a** through **BIO-2a** would ensure the protection of potential wildlife within and near the APE. There would be a less than significant impact.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impacts. There are no known habitat conservation plans or Natural Community Conservation Plans (NCCP) in the Project area. There would be no impacts.

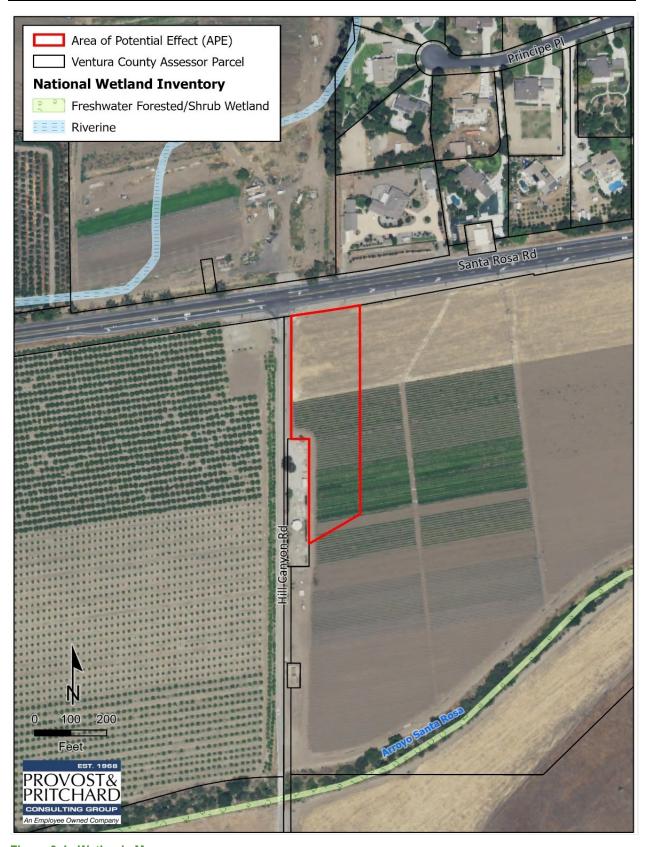


Figure 3-4. Wetlands Map

Figure 3-5. Area of Potential Effect Map

3.6 Cultural Resources

Table 3-11. Cultural Resources Impacts

	Cultural Resources Impacts							
Would the project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a)	Cause a substantial adverse change in the significance of a historical resource pursuant to in §15064.5?		\boxtimes					
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?		\boxtimes					
c)	Disturb any human remains, including those interred outside of dedicated cemeteries?		\boxtimes					

3.6.1 Environmental Setting and Baseline Conditions

The Project site lies within Ventura County, which occupies an archeologically and historically rich part of the California coastal region. The study region, and Ventura County in general, lies within the territory of the Ventureño dialect of the Chumash ethnolinguistic group. Cultural resources in Ventura County includes an archaeological record encompassing at least 8,000 years of prehistoric settlement, from the rich Native American heritage of the Chumash people, to over two hundred years of history influenced by the Spanish, Mexican, Anglo-American, and many other immigrants who came to Ventura County.

Ventura County is archaeologically and culturally significant and has one of the densest Native American populations in North America. Archaeological sites associated with the Ventureño Chumash exist throughout the County, particularly adjacent to existing and former natural water and food sources. Many Chumash sites have been located, and the potential for remaining undiscovered sites within the County is high.

Records Search

A records search from the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System (CHRIS), located at California State University, Fullerton was conducted on April 22, 2021. The SCCIC records search includes a review of all recorded archaeological and built-environment resources as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest (SPHI), the California Historical Landmarks (SHL), the California Register of Historical Resources (CAL REG), the National Register of Historic Places (NRHP), and the California State Built Environment Resources Directory (BERD) listings were reviewed for the above referenced APE and an additional ¼-mile radius. Due to the sensitive nature of cultural resources, archaeological site locations are not released. (Appendix C).

Additional sources included the State Office of Historic Preservation (SHPO) Historic Properties Directory, Archaeological Determinations of Eligibility, and the California Inventory of Historic Resources.

Native American Outreach

The Native American Heritage Commission (NAHC) in Sacramento was contacted in March 2021 and provided NAHC with a brief description of the Project and a map showing its location and requested that the NAHC perform a search of the Sacred Lands File to determine if any Native American resources have been recorded in the immediate APE. The NAHC identifies, catalogs, and protects Native American cultural

resources — ancient places of special religious or social significance to Native Americans and known ancient graves and cemeteries of Native Americans on private and public lands in California. The NAHC is also charged with ensuring California Native American tribes' accessibility to ancient Native American cultural resources on public lands, overseeing the treatment and disposition of inadvertently discovered Native American human remains and burial items, and administering the California Native American Graves Protection and Repatriation Act (CalNAGPRA), among many other powers and duties. NAHC provide a current list of Native American Tribal contacts to notify of the Project. The nine Tribes identified by NAHC were contacted in writing via United States Postal Service in a letter dated April 14, 2021, informing each Tribe of the Project.

- 1. Barbareno/ Ventureno Band of Mission Indians, Annette Ayala
- 2. Barbareno/ Ventureno Band of Mission Indians, Patrick Tumamait
- 3. Barbareno/ Ventureno Band of Mission Indians, Brenda Guzman
- 4. Barbareno/Ventureno Band of Mission Indians, Julie Tumamait-Stenslie, Chairperson
- 5. Chumash Council of Bakersfield Julio Quair, Chairperson
- 6. Coastal Band of the Chumash Nation, Mariza Sullivan, Chairperson
- 7. Northern Chumash Tribal Council Fred Collins, Spokesperson
- 8. San Luis Obispo County Chumash Council, Mark Vigil, Chief
- 9. Santa Ynez Band of Chumash Indians Kenneth Kahn, Chairperson

3.6.2 Threshold of Significance

3.6.2.1 Federal

The National Historic Preservation Act of 1966 established the National Register to recognize resources associated with the country's history and heritage. Structures and features usually must be at least 50 years old to be considered for listing on the National Register—barring exceptional circumstances.

Criteria for listing on the National Register, which are set forth in the Code of Federal Regulations, are significance in American history, architecture, archaeology, engineering, and culture as present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and that are any of the following:

- Associated with events that have made a significant contribution to the broad patterns of our history;
- Associated with the lives of persons significant in our past;
- Embody the distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic values, represent a significant and distinguishable entity whose components may lack individual distinction;
- Have yielded, or may be likely to yield, information important in prehistory or history. Criterion D is usually reserved for archaeological and paleontological resources.

3.6.2.2 State

The mission of the Office of Historic Preservation (OHP) and the State Historical Resources Commission (SHRC), in partnership with the people of California and governmental agencies, is to preserve and enhance California's irreplaceable historic heritage as a matter of public interest so that its vital legacy of cultural, educational, recreational, aesthetic, economic, social, and environmental benefits will be maintained and enriched for present and future generations.

The OHP is responsible for administering federally and state-mandated historic preservation programs to further the identification, evaluation, registration, and protection of California's irreplaceable archaeological and historical resources under the direction of the SHPO and the SHRC. OHP's responsibilities include

- Identifying, evaluating, and registering historic properties;
- Ensuring compliance with federal and state regulatory obligations;
- Encouraging the adoption of economic incentive programs designed to benefit property owners; and
- Encouraging economic revitalization by promoting a historic preservation ethic through preservation education and public awareness and, most significantly, by demonstrating leadership and stewardship for historic preservation in California.

In 1992 the California Register of Historical Resources 4 (CRHR) was created to identify resources deemed worthy of preservation on a state level and was modeled closely after the National Register process. The criteria are nearly identical to those of the National Register but focus on resources of statewide, rather than national, significance. The CRHR encourages public recognition and protection of resources of architectural, historical, archeological, and cultural significance, identifies historical resources for state and local planning purposes, determines eligibility for state historic preservation grant funding, and affords certain protections under the California Environmental Quality Act (CEQA). The CRHR automatically includes resources listed on the National Register. Specifically, the CRHR includes the following resources:

- Resources formally determined eligible for, or listed in, the National Register of Historic Places
- State Historical Landmarks numbered 770 or higher
- Points of Historical Interest recommended for listing by the State Historical Resources Commission (SHRC)
- Resources nominated for listing and determined eligible in accordance with criteria and procedures adopted by the SHRC including
 - individual historic resources and historic districts,
 - resources identified as significant in historical resources surveys which meet certain criteria, and
 - resources and districts designated as city or county landmarks pursuant to a city or county ordinance when the designation criteria are consistent with California Register criteria.

3.6.2.3 Local

General Plan The County of Ventura's General Plan provides the following goals and policies related to the preservation of cultural resources¹¹:

- Goal 1 Identify, inventory, preserve and protect the paleontological and cultural resources of Ventura County (including archaeological, historical and Native American resources) for their scientific, educational and cultural value.
- Goal 2 Enhance cooperation with cities, special districts, other appropriate organizations, and private landowners in acknowledging and preserving the County's paleontological and cultural resources.
- Policy 1 Discretionary developments shall be assessed for potential paleontological and cultural resource impacts, except when exempt from such requirements by CEQA. Such assessments shall be incorporated into a Countywide paleontological and cultural resource data base.
- Policy 2 Discretionary development shall be designed or re-designed to avoid potential impacts to significant paleontological or cultural resources whenever possible. Unavoidable impacts, whenever possible, shall be reduced to a less than significant level and/or shall be mitigated

¹¹ County of Ventura, General Plan Goals, Policies, and Programs, (2011) 23.

by extracting maximum recoverable data. Determinations of impacts, significance and mitigation shall be made by qualified archaeological (in consultation with recognized local Native American groups), historical or paleontological consultants, depending on the type of resource in question.

- Policy 3 Mitigation of significant impacts on cultural or paleontological resources shall follow the Guidelines of the State Office of Historic Preservation, the State Native American Heritage Commission, and shall be performed in consultation with professionals in their respective areas of expertise.
- Policy 4 Confidentiality regarding locations of archaeological sites throughout the County shall be maintained in order to preserve and protect these resources from vandalism and the unauthorized removal of artifacts.
- Policy 5 During environmental review of discretionary development the reviewing agency shall be responsible for identifying sites having potential archaeological, architectural, or historical significance and this information shall be provided to the County Cultural Heritage Board for evaluation.

The purpose of the Ventura County Cultural Heritage Ordinance¹² is to promote the economic and general welfare of the County by preserving and protecting public and private historic, cultural, and natural resources which are of special historical or aesthetic character or interest or relocating or recreating such resources where necessary for their preservation and for their use, education, and view by the general public. The County of Ventura has enacted a Cultural Heritage Board established in 1966 to protect Ventura County's historic, cultural, and natural resources. The Cultural Heritage Board is comprised of seven members who work to ensure that historic resources are preserved.

3.6.3 Impact Assessment

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to in §15064.5?

No Impact. The APE is an existing drinking water facility and does not contain any historical resources as defined in Section 15064.5 of the State CEQA Guidelines. Outside of the APE, the SCCIC examined the current inventories of the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), California Historical Landmarks (CHL), California Points of Historical Interest (CPHI), California Inventory of Historic Resources (CIHR), California State Historic Landmarks, and other pertinent historical data available at the SSCIC to identify any historic properties. There are four (4) recorded reports and studies that were identified within the project area and nine recorded reports and studies in the one-half mile radius, outside of the APE. SSCIC reported that there are three archaeological resources recorded within the project radius area; however, these features would not be disturbed as part of Project activities. (See **Appendix** C) There would be no impact.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Less than Significant Impact with Mitigation Incorporated. A records search from CHRIS at the SCCIC, California State University, Fullerton was performed on April 22, 2021, (Appendix C) and indicated that in addition to this requested search, there have been four cultural resource reports and studies conducted within the APE and nine cultural resource studies conducted within the one-half mile radius outside of the APE. CHRIS did confirm that there are no recorded resources within the APE and three recorded resources within the one-half mile radius. These recorded resources would not be disturbed as part of Project activities.

¹² County of Ventura, Code of Ordinances, Sec. 1360 et seq.

Both the CHRIS and NAHC records request searches resulted in a declaration by each agency that there are no sacred sites or tribal cultural resources are known to exist within the APE.

Nine local Native American Tribal were contacted who may have local knowledge of cultural resources in the vicinity or have a general interest in the Project. Two of the nine Native American Tribes that were contacted for consultation regarding the Project responded and stated they did not require any further consultation regarding the Project. All Tribal correspondence are included in **Appendix C** of this document.

The majority of the Project area and its surroundings has been previously disturbed by the original building of the drinking water facility and the years of agricultural practices performed on the surrounding lands. The Project activities includes soil disturbance, approximately no more than five feet in depth, to construct the GAC treatment facility adjacent to the existing water facility. To address potential unanticipated discovery of cultural and archaeological resources, mitigation measures **CUL-1** would reduce the potential impact to a less than significant level.

3.6.3.1 Mitigation Measures:

The following measures would be implemented during construction:

• CUL-1 (Archaeological Resources): In the event that archaeological remains are encountered at any time during development or ground-moving activities within the entire project area, all work in the vicinity of the find shall halt until a qualified archaeologist can assess the discovery. The District shall implement all recommendations of the archaeologist necessary to avoid or reduce to a less than significant level potential impacts to cultural resource. Appropriate actions could include a Data Recovery Plan or preservation in place.

c) Disturb any human remains, including those interred outside of dedicated cemeteries?

Less than Significant Impact with Mitigation Incorporated. No formal cemeteries or other places of human internment are known to exist on the Project site; however, in accordance with Health and Safety Code Section 7050.5 and Public Resource Code Section 5097.98, if human remains are uncovered, Mitigation Measure **CUL-2** would be implemented.

3.6.3.2 Mitigation Measures:

The following measures would be implemented during or prior to the start of construction:

• **CUL-2 (Human remains):** If human remains are uncovered, or in any other case when human remains are discovered during construction, the Ventura County Coroner is to be notified to arrange their proper treatment and disposition. If the remains are identified—on the basis of archaeological context, age, cultural associations, or biological traits—as those of a Native American, California Health and Safety Code 7050.5 and Public Resource Code 5097.98 require that the coroner notify the NAHC within 24 hours of discovery. The NAHC would then identify the Most Likely Descendent who would determine the manner in which the remains are treated.

3.7 Energy

Table 3-12. Energy Impacts

Energy Impacts							
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact		
a)	Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?						
b)	Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?				\boxtimes		

3.7.1 Environmental Setting and Baseline Conditions

Electric services in unincorporated Ventura County are provided by Southern California Edison (SCE) and the Clean Power Alliance (CPA). SCE is an Investor-Owned Utility (IOU) that provides electricity service and distribution to residents and businesses in Ventura County. CPA is a Community Choice Aggregation (CCA) that provides electricity service as an alternative to SCE. CPA was founded in 2017 as a Joint Powers Authority operated by several public agencies in Southern California. In 2018, the County became a member of the organization, and in early 2019 transferred service for most residential and commercial electricity customers from SCE to this CPA. CCAs are marketed as utilities that procure electricity with a greater share of zero carbon and renewable energy sources than IOUs. CPA's "Green Power" product is derived from 100 percent wind energy, and serves 83.1 percent of eligible customers in the County, as of August 2019. For comparison, the share of electricity generated by SCE using renewable energy or zero carbon sources is 46 percent and serves 11.9 percent of eligible customers in the county as of August 2019. Prior to the availability of CPA in early 2019, SCE's electricity generation served all customers in the County. Southern California Gas Company (SoCalGas) provides natural gas service to all the cities and communities in Ventura County.

3.7.2 Impact Assessment

a) Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less than Significant Impact. Once completed, the Project would be mostly passive in nature and would not use an excessive amount of additional energy. The Project would not result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources during construction or operation. The Project would result in upgrades to the existing electrical service to allow for more horsepower for the new pumps. Any additional energy needed would be used in order to treat contaminated water and would thus serve to protect the public and provide clean drinking water. Additional energy usage would be small enough to not have a significant impact on the energy grid. Any impacts would be less than significant.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency? No Impact. No features of the Project would conflict with or obstruct state or local plans for renewable energy or energy efficiency. There would be no impact.

3.8 Geology and Soils

Table 3-13. Geology and Soils Impacts

Table	3-13. Geology and Soils Impacts				
	Geology and S	oils Impacts			
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			\boxtimes	
ii)	Strong seismic ground shaking?			\boxtimes	
iii) Seismic-related ground failure, including liquefaction?			\boxtimes	
iv) Landslides?				\boxtimes
b)	Result in substantial soil erosion or the loss of topsoil?			\boxtimes	
c)	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?				
d)	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994) creating substantial direct or indirect risks to life or property?				
e)	Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of wastewater?				\boxtimes
f)	Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?			\boxtimes	

3.8.1 Environmental Setting and Baseline Conditions

The coastal plain was formed by the deposition of sediments from the Santa Clara River and from the streams of the Calleguas-Conejo drainage system. It has a mean elevation of fifty feet (15 m), but at points south of the Santa Clara River, the elevation is as much as 150 feet (46 m), and at points north of the river, as much as 300 feet (91 m). The coastal plain is generally known as the Oxnard Plain with the part that centers on Camarillo lying east of the Revelon Slough is called Pleasant Valley. Most of the arable land in the county is found on the coastal plain. Small coastal mountains rim Ventura County on its landward side. They range in elevation from 50 feet (15 m) along the coast south of the coastal plain, to about 3,100 feet (940 m) in the Santa Monica Mountains. The Santa Ynez Mountains, the Topatopa Mountains, and the Piru Mountains make up the

northern boundary of the coastal plain, the Santa Susana Mountains are alongside the eastern boundary of the county, and the Simi Hills and the Santa Monica Mountains are along the southern border with Los Angeles County. South Mountain and Oak Ridge are low and long mountains that separate Santa Clara Valley from the Las Posas Valley and Simi Valley. The Camarillo Hills and the Las Posas Hills extend from Camarillo to Simi Valley and separate the Las Posas-Simi area from the Santa Rosa Valley and Tierra Rejada Valley. 13

Using the USDA NRCS soil survey of the Project site, an analysis of the soils onsite was performed (Table 3-14). Soils in the area consist of Sorrento Silty clay with a 0-2 percent slope and a slip rate of < 0.2 -1. (See Table 3-14).

Table 3-14. Soils of the Study Area.

	Soils of the Study Area								
Soil Series	Parent Material	Drainage Class	Percent Slope	Slip Rate	Frequency of Flooding	Runoff Class	Acres of Project		
Sorrento Silty clay loam, warm MAAT, MLRA 19	Alluvium derived from sedimentary rock	Well drained	0-2	< 0.2-1	None	Medium	2.4		

3.8.1.1 Faults and Seismicity

The Project site is not located within an Alquist-Priolo Earthquake Fault Zone and no known active faults cut through the local soil at the site. The closest major fault is the San Cayetano Fault, 11.4 miles northeast of the Project site. Simi-Santa Rosa fault zone, Camarillo-Santa Rosa section (Santa Rosa Valley Fault) is located approximately 535 feet north of the Project. The Simi-Santa Rosa fault zone is the dominant active tectonic feature of the Coast Ranges and represents the boundary of the North American and Pacific plates.

3.8.1.2 Liquefaction

The entirety of the APE is within an area identified with the potential for liquefaction. Ventura County, including all cities, is susceptible to liquefaction, but the most vulnerable locations are along the Santa Clara River and in the Oxnard Plain. The potential for liquefaction, which is the loss of soil strength due to seismic forces, is dependent on soil types and density, depth to groundwater, and the duration and intensity of ground shaking. Although no specific liquefaction hazard areas have been identified in Ventura County, this potential is recognized throughout the county where unconsolidated sediments and a high water table coincide.

3.8.1.3 Soil Subsidence

Subsidence occurs when a large land area settles due to over-saturation or extensive withdrawal of ground water, oil, or natural gas. These areas are typically composed of open-textured soils, high in silt or clay content, that become saturated. The Project site consists of Sorrento Silty clay loam, with a low to moderate risk of subsidence. Several areas within Ventura County are experiencing subsidence due to groundwater extraction including the Oxnard Plain, the Las Posas Valley, and the Santa Clara River Valley, 5.7 miles SW of the APE.

3.8.1.4 Dam and Berm Failure

The Ventura County Watershed Protection District (VCWPD) monitors nine provisionally accredited levees (PALs) in the Calleguas Creek, Santa Clara River, and Ventura River watersheds. Most of these levees, which protect a total 5.2 square miles of land in the county, require rehabilitation to be fully compliant with FEMA levee certification regulations. The Santa Clara River Valley, which crosses central Ventura County, is also subject to flooding. Numerous levees have been built to protect the agricultural lands along the river; because of its sediment load, the river has historically migrated across the valley floor during flooding intervals. The levees are typically not sufficient to withstand severe flood events. Urban levee systems are built to provide

^{13 (}California Department of Conservation - California Geological Survey, 2020) Accessed April 22, 2021.

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flood protection and flood loss reduction for population centers and the industrial, commercial, and residential facilities within them. There are 5.17 square miles in Ventura County protected by VCWPD PALs from the 100-year flood. The probability of future levee failures in Ventura County is unknown but may result from a large winter storm or seismic event. The entirety of the APE is located near the Wood Ranch Dam.¹⁴

3.8.1.5 Paleontological Resources

Potential impacts to fossil sites from construction activities include the progressive loss of exposed rock, along with the unauthorized collection of fossil materials. Such losses would be irreplaceable. The California Environment Quality Act (CEQA) requires that impacts to paleontological resources be assessed and mitigated on all discretionary projects, public, and private under CEQA Guidelines Section 8.16.2.2. There is a wide variety of paleontological resources that exist within Ventura County and the marine and terrestrial fossils found in Ventura County are among the best in Southern California. The General Plan recognizes the significance of marine and terrestrial fossils and requires preserving these sites through policies and programs set forth in the County's Initial Study Assessment Guidelines and General Plan to preserve any information these sites may yield.

3.8.2 Impact Assessment

- a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:
 - a-i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

a-ii) Strong seismic ground shaking?

Less than Significant Impact. The Project site and its vicinity are located in an area traditionally characterized by relatively low seismic activity. The site is not located in an Alquist-Priolo Earthquake Fault Zone as established by the Alquist-Priolo Fault Zoning Act (Section 2622 of Chapter 7.5, Division 2 of the California Public Resources Code). The Simi-Santa Rosa fault zone, Camarillo-Santa Rosa section (Santa Rosa Valley Fault) is approximately 535 feet north of the site and the nearest major fault is the San Cayetano Fault, located approximately 11.4 miles northeast of the Project. The Project design plans would be prepared by a civil engineer and would be built and in compliance with, the California Building Code standards which incorporates the most recent seismic standards in California. Implementation of the Project activities do not include an increase of people or habitable structures onsite. Therefore, impacts would be less than significant.

a-iii) Seismic-related ground failure, including liquefaction?

Less than Significant Impact. As discussed above the entire APE is within an area identified with the potential for liquefaction (see **Figure 3-6**). The most vulnerable locations of liquefaction are along the Santa Clara River and in the Oxnard Plain. Project activities do not include any habitable buildings or structures that would cause injury or death to people due to ground failure. Additionally, facilities would be built to current standards. Existing and new facilities are visited periodically based on operations and maintenance needs; therefore, impacts would be less than significant.

a-iv) Landslides?

No Impact. There are no known major geologic landforms that exist on or near the site that could result in a landslide event. The Project site is already established with wells and other drinking water related infrastructure. The Project and surrounding land is flat and historically used for agricultural crops. According to Chapter 11

¹⁴ Ventura County General Plan, Chapter 11 Hazards and Safety, https://vc2040.org/images/uploads/2017/VCGPU 11-BR-Hazards Safety PRD March 2017.pdf accessed April 19, 2021

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Hazards and Safety of the Ventura County General Plan Background Report, the Project site is not within or near a region classified with a high landslide potential. There would be no impacts.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less than Significant Impact. Earthmoving activities associated with the Project would include excavation, grading, and infrastructure construction. These activities could expose soils to erosion processes and the extent of erosion would vary depending on slope steepness/stability, vegetation/cover, concentration of runoff, and weather conditions. Dischargers whose projects disturb one (1) or more acres of soil or whose projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity Construction General Permit Order 2009-0009-DWQ. Construction activity subject to this permit includes clearing, grading and disturbances to the ground such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development of a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer (QSD). Since the Project site has relatively flat terrain with a low potential for soil erosion and would comply with the SWRCB requirements, the impact would be less than significant.

- c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? and
- d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?
- c-d) Less than Significant Impact. The Project proposes to construct a GAC water treatment plant to remove the TCP for potable and non-potable water supply wells at an existing well site. Project activities would not pose a substantial grade change and the risk of landslides, lateral spreading, subsidence, liquefaction, and collapse would not change as a result of Project activities. While the Project is located in an area of potential liquefaction, the proposed Project activities are not expected to result in any liquefaction. The construction of the Project would involve excavating the Project site to a uniform depth of less than five (5) feet. The Project does not include the development of habitable structures or facilities that could be affected by expansive soils or expose people to substantial risks to life or property. The Project site consist of soils, with a low to moderate risk of subsidence. Impacts would be less than significant.
- e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. Project activities do not include septic installation or alternative wastewater disposal systems. There would be no impact.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geological feature?

Less than Significant Impact. Paleontological resources are fossilized remains of flora and fauna and associate deposits. Most fossils are found in sedimentary rock. Sedimentary rock is formed by dirt (sand, silt, or clay) and debris that settles to the bottom of an ocean or lake and compresses for such a long time that it becomes hard as a rock. The existing facility is approximately 0.5 acres, the proposed new facilities would be approximately 2.5 acres with a ground disturbance depth of only 5 feet or less. This area has been tilled for agricultural crops for over 30 years to depths equal to or greater than 5 feet. The likelihood of discovering paleontological resources or unique geological feature is very low.



Figure 3-6. Liquefaction Map

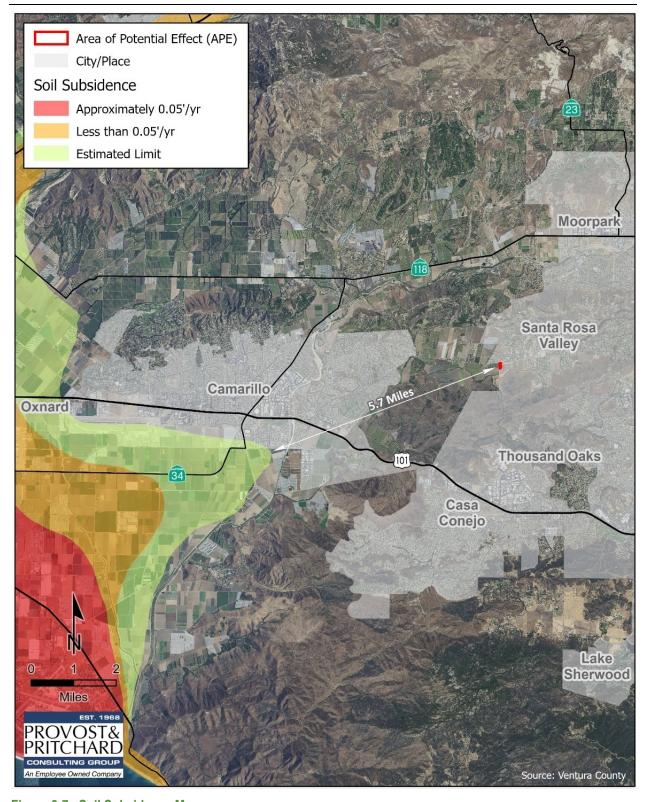


Figure 3-7. Soil Subsidence Map

3.9 Greenhouse Gas Emissions

Table 3-15. Greenhouse Gas Emissions Impacts

	Greenhouse Gas Emissions Impacts							
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a)	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			\boxtimes				
b)	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?							

3.9.1 Environmental Setting and Baseline Conditions

The Earth's climate has been warming for the past century. Experts believe this warming trend is related to the release of certain gases into the atmosphere. Greenhouse gases (GHG) absorb infrared energy that would otherwise escape from the Earth. As the infrared energy is absorbed, the air surrounding the Earth is heated. An overall warming trend has been recorded since the late 19th century, with the most rapid warming occurring over the past 35 years, with 16 of the 17 warmest years on record occurring since 2001. Not only was 2016 the warmest year on record, but eight of the 12 months that make up the year—from January through September, with the exception of June—were the warmest on record for those respective months. October, November, and December of 2016 were the second warmest of those months on record—in all three cases, behind records set in 2015. Human activities have been contributed to an increase in the atmospheric abundance of greenhouse gases. The following is a brief description of the most commonly recognized GHGs.

3.9.1.1 Greenhouse Gases

Carbon dioxide (CO₂) is an odorless, colorless natural greenhouse gas. CO₂ is emitted from natural and anthropogenic sources. Natural sources include the following: decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic out gassing. Anthropogenic sources include the burning of coal, oil, natural gas, and wood.

Methane (CH₄) is a flammable greenhouse gas. A natural source of methane is the anaerobic decay of organic matter. Geological deposits, known as natural gas fields, also contain methane, which is extracted for fuel. Other sources are from landfills, fermentation of manure, and ruminants such as cattle.

Nitrous oxide (N₂O), also known as laughing gas, is a colorless greenhouse gas. Nitrous oxide is produced by microbial processes in soil and water, including those reactions that occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load.

Water vapor is the most abundant, and variable greenhouse gas. It is not considered a pollutant; in the atmosphere, it maintains a climate necessary for life.

¹⁵ NASA, NOAA Data Show 2016 Warmest Year on Record Globally. https://www.nasa.gov/press-release/nasa-noaa-data-show-2016-warmest-year-on-record-globally. January 18, 2017. Accessed 14 February 2020.

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- Ozone (O₃) is known as a photochemical pollutant and is a greenhouse gas; however, unlike other greenhouse gases, ozone in the troposphere is relatively short-lived and, therefore, is not global in nature. Ozone is not emitted directly into the atmosphere but is formed by a complex series of chemical reactions between volatile organic compounds, nitrogen oxides, and sunlight.
- Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.
- Chlorofluorocarbons (CFCs) are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were first synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. CFCs destroy stratospheric ozone; therefore, their production was stopped as required by the Montreal Protocol in 1987.
- Hydrofluorocarbons (HFCs) are synthetic chemicals that are used as a substitute for CFCs. Of all the greenhouse gases, HFCs are one of three groups (the other two are perfluorocarbons and sulfur hexafluoride) with the highest global warming potential. HFCs are human-made for applications such as air conditioners and refrigerants.
- Perfluorocarbons (PFCs) have stable molecular structures and do not break down through the chemical processes in the lower atmosphere; therefore, PFCs have long atmospheric lifetimes, between 10,000 and 50,000 years. The two main sources of PFCs are primary aluminum production and semiconductor manufacture.
- Sulfur hexafluoride (SF₆) is an inorganic, odorless, colorless, nontoxic, nonflammable gas. It has the highest global warming potential of any gas evaluated. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

3.9.1.2 Effects of Climate Change

The impacts of climate change have yet to fully manifest. A hotter planet is causing the sea level to rise; disease to spread to non-endemic areas; and more frequent and severe storms, heat events, and air pollution episodes. Also affected are agricultural production, the water supply, the sustainability of ecosystems, and therefore the economy. The magnitude of these impacts is unknown.

Emissions of GHGs contributing to global climate change are largely attributable to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors. GHG emissions are typically expressed in carbon dioxide-equivalents (CO₂e), based on the GHG's Global Warming Potential (GWP). The GWP is dependent on the lifetime, or persistence, of the gas molecule in the atmosphere. For example, one ton of CH₄ has the same contribution to the greenhouse effect as approximately 21 tons of CO₂. Therefore, CH₄ is a much more potent GHG than CO₂.

3.9.2 Methodology

Conclusions in this Greenhouse Gas Impact Assessment rely on model calculations (CalEEMod version 2020.4.0) (Appendix A). The sections below detail these conclusions and recommendations and utilize its conclusions in the impact determinations.

3.9.2.1 Short-Term Construction-Generated Emissions

Short-term construction emissions associated with the Project were calculated using CalEEMod, Version 2016.3.2. Emissions' modeling was assumed to occur over an approximate eight-month period and covering a site area of approximately 2.5 acres. Remaining assumptions were based on the default parameters contained in the model. Modeling assumptions and output files are included in **Appendix A**.

3.9.2.2 Long-Term Operational Emissions

Long-term operational emissions associated with the Project are estimated to be minimal in nature. Maintenance would continue to be provided by staff on an as needed basis. Energy usage at the site would largely remain the same. With the replacement pumps constructed to be more energy efficient than the existing infrastructure, the insignificant nature of emission increases would be marginal. Modeling assumptions and output files are included in **Appendix A**.

3.9.3 Thresholds of Significance

VCAPCD has not established quantitative significance thresholds for evaluating GHG emissions in CEQA analyses. In light of the lack of a specific GHG threshold from VCAPCD, it is appropriate to refer to guidance from other agencies when discussing GHG emissions. Therefore, for the purposes of this analysis, the bright-line threshold developed by the South Coast Air Quality Management District (SCAQMD) (3,000 MT CO2e per year for development projects) is considered to determine the significance of GHG emissions.

The VCAPCD does not provide guidance over amortizing construction GHG emissions over the lifetime of a project. The SCAQMD has recommended that GHG emissions from construction be amortized over 30 years and added to operational GHG emissions to determine the overall impact of a project;¹⁶ therefore, this method is followed in the analysis under Project-specific impacts.

3.9.4 Impact Assessment

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? And;

Less than Significant Impact.

Short-Term Construction-Generated Emissions

Estimated construction-generated emissions are summarized in **Table 3-16**. As indicated, construction of the Project would generate maximum annual emissions of approximately 212.3616 MTCO₂e. Construction-related production of GHGs would be temporary and last approximately eight months. These emissions are totaled and amortized over 30 years and added to the operational emissions in **Table 3-16** below.

Table 3-16. Short-Term Construction-Generated GHG Emissions

Year	Emissions (MT CO ₂ e) ⁽¹⁾
2021	33.7892
2022	212.3616
Amortized over 30 years	8.205

Emissions were quantified using the CalEEMod, Version 2016.3.2. Refer to Appendix A
for modeling results and assumptions. Totals may not sum due to rounding.

Long-Term Operational Emissions

Estimated long-term operational emissions would be negligible and are summarized in Table 3-17.

¹⁶ South Coast Air Quality Management District. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans. Microsoft Word - 081231AA (agmd.gov) Site Accessed April 2021.

Table 3-17. Long-Term Operational GHG Emissions

Long-Term Operations	Emissions (MT CO ₂ e) ⁽¹⁾
Estimated Annual Operation CO2e Emissions	11.791
Amortized Construction Emissions	8.205
Total Estimated Annual Operational CO2e Emissions	19.996
SCAQMD Threshold for MT CO₂e*	3,000
Exceed Threshold?	No

^{1.} Emissions were quantified using the CalEEMod, Version 2020.4.0. Refer to **Appendix A** for modeling results and assumptions. Totals may not sum due to rounding.

b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than Significant Impact. As discussed above, the County does not have an adopted GHG plan or MT/yr thresholds for CO2e. The thresholds provided by the SCAQMD were used as part of the analysis of GHG emissions from this Project. Furthermore, state policies to reduce GHG emissions associated with energy use, including Title 24 of the CBC, would reduce anticipated emissions associated with the Project. The Project would not conflict with state regulations intended to reduce GHG emissions statewide. As discussed in a) above, annual GHG emissions for the Project would be less than the threshold of 3,000 MT CO2e per year established by the SCAQMD. Therefore, the Project would not conflict with any applicable plan policy or regulation adopted for the purpose of reducing GHG emissions, impacts would be less than significant.

^{*} As published in the South Coast Air Quality Management District's Interim CEQA GHG
Significance threshold for Stationary Sources. Available online at Microsoft Word - 081231AA
(aqmd.gov)Accessed April 2021.

3.10 Hazards and Hazardous Materials

Table 3-18. Hazards and Hazardous Materials Impacts

lable	able 3-18. Hazards and Hazardous Materials Impacts						
	Hazards and Hazardo	us Materials I	Impacts				
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact		
a)	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			\boxtimes			
b)	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			\boxtimes			
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?						
d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?						
e)	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?				\boxtimes		
f)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?						
g)	Expose people or structures, either directly or indirectly to a significant risk of loss, injury or death involving wildland fires?		\boxtimes				

3.10.1 Environmental Setting and Baseline Conditions

3.10.1.1 Hazardous Materials

The Project site is an existing water treatment facility on Hill Canyon Rd south of Santa Rosa Rd in Ventura County, California. The surrounding area is comprised of farmland to the east and west, a residential neighborhood to the north, and Santa Rosa Valley Park and open space to the south. The Project proposes to expand the existing facility by acquiring 2.47 acres of the adjacent farmland to incorporated into the existing drinking water facility. The expansion includes chemical storage tanks. Chemicals located on the site would include Carbon Dioxide, Ammonium Sulfate, Sodium Hypochlorite, Sodium Hydroxide, as well as diesel fuel for the fixed standby generator and stored in a 10,000-gallon tank.

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The carbon in the GAC units would need to be changed about every 8 months, while the other chemicals would be delivered more routinely. Water would be pumped into the facility for treatment of TCP, a carcinogen¹⁷ that has been found in the water supply. Once the water has run through the GAC system and has been treated, the clean drinking water would leave the facility for distribution and consumption.

The Hazardous Waste and Substances Sites (Cortese) List is used by the State, local agencies, and developers to comply with CEQA requirements in providing information about the location of hazardous materials release sites. Government Code (GC) Section 65962.5 requires the California Environmental Protection Agency (CalEPA) to develop an updated Cortese List at least annually. The Department of Toxic Substances Control (DTSC) is responsible for a portion of the information contained in the Cortese List. Other State and local government agencies are required to provide additional hazardous material release information for the Cortese List. DTSC's EnviroStor database provides component of Cortese List data (DTSC, 2010). In addition to the EnviroStor database, the State Water Resources Control Board (SWRCB) Geotracker database provides information on regulated hazardous waste facilities in California, including underground storage tank (UST) cases and non-UST cleanup programs, including Spills-Leaks-Investigations-Cleanups (SLIC) sites, Department of Defense (DOD) sites, and Land Disposal program. A search of the DTSC EnviroStor¹⁸ database and the SWRCB Geotracker¹⁹ performed on March 15, 2021, determined that there are no known active hazardous waste generators or hazardous material spill sites within the Project site or immediate surrounding vicinity.

3.10.1.2 Airports

The nearest airport to the Project site is Camarillo Airport approximately 8 miles to the Southwest. The Project site is not located within the airport land use compatibility plan for this airport.²⁰

3.10.1.3 Emergency Response Plan

Ventura County has an adopted Emergency Operations Plan (EOP)²¹ that was last updated in 2021. The plan has designated guidelines and acting authorities in an emergency or evacuation event. The Project would not be in conflict with the EOP.

3.10.1.4 Sensitive Receptors

Sensitive Receptors are groups that would be more affected by air, noise, and light pollution; pesticides; and other toxic chemicals than other groups. This includes infants, children under 16, elderly over 65, athletes, and people with cardiovascular and respiratory diseases. High concentrations of these groups would include, daycares, residential areas, hospitals, elder care facilities, schools, and parks. The nearest sensitive receptor areas to the Project site include Santa Rosa Valley Park 500 feet southwest of the Project. There are also multiple residential homes within 1,500 feet of the Project site to the west, north, and east.

3.10.2 Impact Assessment

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less than Significant Impact. Implementation of the Project would require the routine transfer, use, and storage of hazardous materials. The Project will include a new fixed standby generator and a 10,000-gallon diesel fuel tank on site. To minimize impacts associated with the routine transport, use, storage or disposal of hazardous material, the facility would update the Hazardous Materials Business Plan (HMBP) for all existing and new

¹⁷ Technical Fact Sheet – 1,2,3-Trichloropropane (TCP). EPA.gov. Website: https://www.epa.gov/.

¹⁸ Department of Toxic Substances Control. EnviroStor. Website: https://www.envirostor.dtsc.ca.gov/public/. Accessed 31 March 2021.

¹⁹ State Water Resources Control Board. GeoTracker. Website: https://geotracker.waterboards.ca.gov/. Accessed 31 March 2021.

²⁰ Camarillo Airport Environmental Assessment. Ventura County. Website: https://vcportal.ventura.org/AIRPORTS. Accessed 31 March 2021.

²¹ Ventura County Operational Area Emergency Operations Plan 2021. Ventura County. EOP-Draft-Public.pdf (pcdn.co). Accessed 31 March 2021.

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hazardous materials. Further substances would be transported in compliance with the Ventura County regulations and approval relating to hazards and safety. Therefore, impacts would be less than significant.

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less than Significant Impact. The Project would comply with all relevant federal, State, and local statutes and regulations related to the transport, use, storage, or disposal of hazardous materials, and all materials designated for disposal would be evaluated for appropriate State and federal hazardous waste criteria. A Hazardous Materials Plan would be revised prior to bringing new chemicals on-site and would remain in place and updated throughout the lifetime of facility operations. A HMBP provides the Ventura County Environmental Health Division, Certified Unified Program Agency (CUPA), local fire agencies, and the public with information regarding hazardous materials stored/handled at businesses and government facilities. The law requires facilities that store, use, or handle hazardous materials at, or above specified threshold amounts to provide the CUPA with a HMBP. This plan is regulated and inspected by the VCAPCD, Ventura County CUPA, and the Ventura County Fire Protection District. Therefore, impacts would be less than significant.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. The Project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. The nearest school to the Project site is Wildwood Elementary approximately 2.5 miles to the southeast. Therefore, there would be no impact.

d) Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. The Project would not be located on a site which is included on a list of hazardous materials sites complied pursuant to Government Code Section 65962.5. According to the State Water Resource Board's Geotracker tool and the Department of Toxic Substance Control's EnviroStor program, there are no active hazardous material sites located within 2 miles of the Project. Therefore, there would be no impact.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The Project would not be located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport. The nearest airport or airstrip to the Project site is Camarillo Airport approximately 8 miles southwest of the Project. Therefore, there would be no impact.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact. The Project would not impair or physically interfere with an adopted emergency plan or emergency evacuation plan. During construction of the expanded facility, work trucks would use existing facility land and access roads for staging, deliveries, and turnaround points. Construction traffic would not use Santa Rosa Road or Hill Canyon Road for these purposes and would not physically interfere with existing traffic on these main thoroughfares. Therefore, impacts would be less than significant.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less than Significant Impact with Mitigation Incorporated. The Project would occur in an area rated as susceptible to wildfires, and residents and homes in the surrounding area are subject to wildfire risks. As further

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discussed in Section 3.21, areas surrounding the Project have been identified by CalFIRE as being a moderate to Very High Fire Hazard Severity Zone²². The Project area vegetation consists of annual grasses, interspersed with foothill vegetation and surrounding agricultural crops. During Project construction, equipment and onsite diesel engine use may pose a risk for wildfire. Sparks may result from operation of construction equipment; heated mufflers; or accidental ignition of oils, lubricants, and other combustible materials could occur, resulting in a fire. Construction-related activities such as steel cutting and welding also would be potential sources of ignition. Therefore, Project construction may result in a significant impact. Implementation of Public Resources Code Sections 4427, 4428, 4431, and 4442 regarding prohibited activities that could cause wildfires, and Mitigation Measure WILD-2 would ensure Project construction impacts would remain less than significant.

Project Operations

During operation, a protective space around the new water tank site would be kept clear of vegetation, which would further reduce the risk of wildland fire on adjacent grasslands, if an ignition source is associated with the mechanical equipment. Therefore, operational impacts would be less than significant.

3.10.2.1 Mitigation Measures

The following measures would be implemented during or prior to the start of construction:

WILD-2 (Water Source): Adequate on-site water sources will be made available during potential wildfire
risk activities such as construction welding or vehicle and equipment activities in open spaces. On-site
water sources can include, but not be limited to, water truck, water backpacks, and/or fire
extinguishers.

²² California State Responsibility Areas. ArcGIS. Website: https://www.arcgis.com/. Accessed 1 April 2021.

3.11 Hydrology and Water Quality

Table 3-19. Hydrology and Water Quality Impacts

Table	Hydrology and Water Quality Impacts Hydrology and Water Quality Impacts							
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a)	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?							
b)	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			\boxtimes				
c)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:							
	i) result in substantial erosion or siltation on- or off-site;							
	ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;			\boxtimes				
	iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or			\boxtimes				
	iv) impede or redirect flood flows?			\boxtimes				
d)	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?							
e)	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?				\boxtimes			

3.11.1 Environmental Setting and Baseline Conditions

The Project site currently possesses the existing Camrosa Water District groundwater well facility, as well as farmland. The Project is located in the Lower Conejo Arroyo sub-watershed and part of the Calleguas Creek watershed. The principal drainage in the vicinity is the ephemeral Arroyo Santa Rosa, which is located approximately 700 feet south of the APE and runs west to east through the Santa Rosa Valley. Arroyo Santa Rosa joins Arroyo Conejo west of Hill Canyon Road where discharges from the Hill Canyon Wastewater treatment plant are released. Eventually the waterbody joins Calleguas Creek and drains into the Mugu Lagoon estuary. The Project site is located in a 100-year flood zone and is located outside of the Regulatory Floodway.

3.11.2 Thresholds of Significance

3.11.2.1 Water Quantity

Threshold of significance criteria for determining if a land use or project activity has the potential to cause a significant adverse impact upon groundwater resources in itself or on a cumulative basis include, but are not limited to:

- 1. Any land use or project that will directly or indirectly decrease, either individually or cumulatively, the net quantity of groundwater in a groundwater basin that is over drafted or creates an over drafted groundwater basin shall be considered to have a significant groundwater quantity impact.
- 2. In groundwater basins that are not over drafted or are not in hydrologic continuity with an over drafted basin, net groundwater extraction that will individually or cumulatively cause over drafted basin(s), shall be considered to have a significant groundwater quantity impact.
- 3. In areas where the groundwater basin and/or hydrologic unit condition is not well known or documented and there is evidence of overdraft based upon declining water levels in a well or wells, any proposed net increase in groundwater extraction from that groundwater basin and/or hydrologic unit shall be considered to cause a significant groundwater quantity impact until such time as reliable studies determine otherwise.
- 4. Regardless of items 1-3 above, any land use or project which would result in 1.0 acre-feet (325,851 gallons), or less, of net annual increase in groundwater extraction is not considered to have a significant project or cumulative impact on groundwater quantity.
- 5. General Plan Goals and Policies Any project that is inconsistent with any of the policies or development standards relating to groundwater quantity of the Ventura County General Plan Goals, Policies and Programs or applicable Area Plan (above), may result in a significant environmental impact. This threshold is not applicable if the project includes a General Plan Amendment (GPA) that would eliminate the inconsistency, and the GPA itself would not have a significant impact on groundwater quantity or be inconsistent with any groundwater quantity policy or development standard of the General Plan or applicable Area Plan (above).

3.11.3 Impact Assessment

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less than Significant. The Project is designed to treat existing water quality issues as a result of TCP from the water produced by the existing four potable water supply wells. The new facility will intercept the flow from the wells, direct it through the GAC treatment process and return it to a new larger water storage tank. The facility would require six 12-foot-diameter steel pressure vessels for the GAC media to treat the initial maximum flow rate of 2,350 gpm; however, the facility would be designed to accommodate an additional four vessels to increase the overall treatment capacity to 3,150 gpm. The existing well pumps would also need to be upgraded due to the additional pressure loss through the GAC system. In addition to the GAC treatment vessels, the facility would include a new treated-water tank, backwash equalization tank, non-potable water pumps, storm water detention basin, chemical feed systems, and other associated appurtenances. With the implementation of the Project, water quality standards would be met.

The proposed Project would include development of a SWPPP for the construction, as required under Section 402 of the CWA, which would include implementation of standard BMPs to reduce erosion on- and off-site. The construction SWPPP would ensure that disturbed soils during construction activities are properly stored and managed throughout the duration of the construction activities, thus protecting water quality. Additionally, the provisions of the construction SWPPP would include requirements for appropriate handling of any hazardous materials used on the proposed Project site, as well as a spill prevention and response measures to

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minimize the potential for and effects from spills occurring during proposed Project construction. The construction SWPPP would describe transport, storage, and disposal procedures; construction site housekeeping practices; and monitoring and spill response protocols. No dewatering activities are anticipated for the proposed Project. As such, with the implementation of the construction SWPPP, as required by Section 402 of the CWA, impacts related to surface and groundwater quality during construction would be less than significant. Therefore, there would be no impact.

b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less than Significant Impact. The Project proposes to install a GAC treatment system to an existing water facility. The existing facility utilizes existing wells for production of drinking water. The new treatment facilities would not increase the need for drinking water or the consumption of water. There would be no increase in groundwater supplies. Further, the GAC vessels backwash water would be recycled and used in the District's non-potable water distribution system located at the north end of the site. Backwash water generated would offset non-potable water extraction from other sources. Therefore, there would be no net decrease in groundwater supplies, and would not interfere with groundwater recharge. There would be a less than significant impact.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

c-i) result in substantial erosion or siltation on- or off-site;

Less than Significant. During construction activities a SWPPP would be in place to ensure stabilization of soils and address any potential erosion or siltation of soils from leaving the Project site. With the preparation and implementation of a SWPPP, impacts would be less than significant.

c-ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;

Less than Significant Impact. The Project would increase the impermeability of the site through the construction of the concrete pads and roads. Construction activities associated with the proposed Project would occur in previously disturbed areas of the property and would involve disturbance of soils from excavations, grading, and other earthmoving activities, which could lead to erosion and loss of topsoil. The proposed Project would develop a SWPPP, as required under Section 402 of the CWA, which would include implementation of standard BMPs to reduce erosion on- and off-site. Impacts from erosion would therefore be less than significant. The SWPPP would also include provisions for preventing polluted runoff-from potentially leaving the proposed Project site and would include post-construction stabilization measures to ensure drainage areas are restored and the site is stabilized. Impacts would be less than significant.

c-iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

Less than Significant Impact. The Project would create additional impermeable surfaces but would not increase the existing drainage capacity. Additionally, water treatment chemicals, including sodium hypochlorite, carbon dioxide, ammonium sulfate, and sodium hydroxide would be located on-site. These chemicals would be stored in tanks with integral secondary containment. These structures would be located above the base flood elevation. Additionally, the Project would be required, due to the quantities proposed to be stored, to file and maintain a HMBP (as discussed in **Section 3.10**) and required to discuss the types of chemicals maintained on site and all spill prevention and control measures of the site. Therefore, impacts would be less than significant.

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c-iv) impede or redirect flood flows?

Less than Significant Impact. All Project improvements are located outside of the regulatory floodway and all aboveground improvements would be built above the base flood elevation. Implementation of Project infrastructure would not impede or redirect any flood flows. Impacts would be less than significant.

d) Would the project in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundations?

Less than Significant Impact. The Project is located in a 100-year flood hazard zone with an established base flood elevation of 233.7 feet. The Project would introduce water treatment chemicals and these would be stored onsite. These tanks are designed to be placed above the base flood elevations and in secondary containment, ensuring that impacts due to project inundations would be less than significant.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

No Impact. As discussed above, the Project does not propose a net increase in groundwater extraction, and more importantly proposes to treat existing groundwater for improved water quality. The Project therefore does not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.

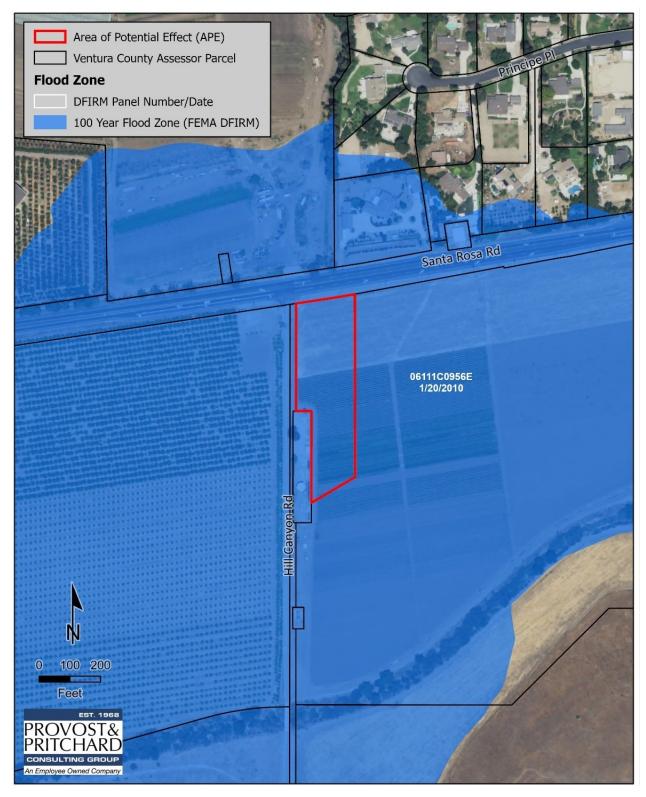


Figure 3-8. FEMA Map

3.12 Land Use and Planning

Table 3-20. Land Use and Planning Impacts

	Land Use and Planning Impacts							
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a)	Physically divide an established community?				\boxtimes			
b)	Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?							

3.12.1 Environmental Setting and Baseline Conditions

General Plan Land Use Designations and Zone Districts are illustrated in Figure 3-9 and Figure 3-10, respectively. The Project site consists of farmland and an existing drinking water facility. Farmland can be found in each direction from the Project site. There are residential homes approximately 1500 feet from the Project.

3.12.2 Impact Assessment

a) Would the project physically divide an established community?

No Impact. The Project is surrounded by existing farmland, and does not propose to vacate, abandon, or remove any existing rights-of-way. The Project plans to expand the existing water facility by 2.47 acres to treat TCP to drinking water standards. Project activities would not physically divide any communities. There would be no impact.

b) Would the project cause a significant environmental conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. As discussed in Section 3-3 of this document the Project is exempt from the land use plans and policies. To summarize previously discussed policies the Ventura County Non-Coastal Zoning Ordinance Section 8101-2, Applicability of the Zoning Ordinance²³, specifically exempts regulations totally preempted by federal or State laws. Government Code Section 53091(e) states that, "Zoning ordinances of a county or city shall not apply to the location or construction of facilities for the production, generation, storage, treatment, or transmission of water...". As the Project proposes to construct a water treatment facility, the Project does not conflict with zoning plans or policies. Further the Ventura County General Plan Land Use Element does not prohibit water infrastructure in the OS land use designation. The Project would not conflict the Ventura County General Plan land use designation or conflict with SOAR. Furthermore, the OS-40 zone district allows for *private* facilities dedicated to water production, storage, transmission, and/or distribution. Therefore, there would be no impact.

²³ Ventura County. Non-Coastal Zoning Ordinance. Website: https://vcrma.org/docs/images/pdf/planning/ordinances/VCNCZO Current.pdf. Accessed May 2021.



Figure 3-9. General Plan Designation Map



Figure 3-10. Zoning Map

3.13 Mineral Resources

Table 3-16. Mineral Resources Impacts

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	Mineral Resources Impacts							
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a)	Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				\boxtimes			
b)	Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?							

3.13.1 Environmental Setting and Baseline Conditions

Mineral resources in Ventura County consist primarily of aggregate resources, more commonly known as construction grade sand, gravel, and stone. Other mineral resources within the County include clay, shale, gypsum, silica sand, limestone, and phosphate.

3.13.2 Impact Assessment

a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No impact. The Project would not be disturbing any mineral of significant value to the region or residents of the State. No mineral recovery activity currently occurs in the Project area, and the Project does not plant to excavate any minerals as part of Project activities. Therefore, there would be no impact.

b) Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No impact. The Project area is not a known as a mineral resource site. The Ventura County General Plan does not delineate this area as a mineral resource area. Therefore, there would be no impacts to mineral resources.

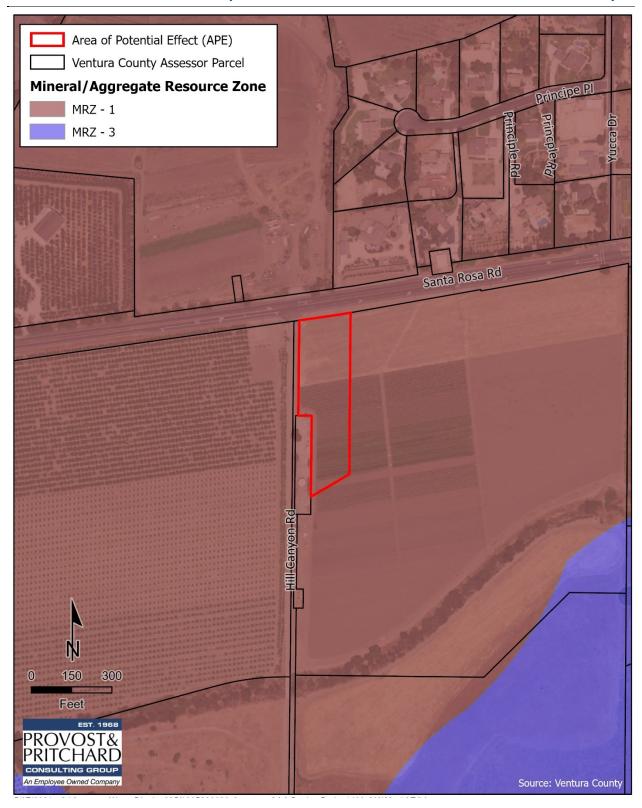


Figure 3-11. Production Consumption Regions Map

3.14 Noise

Table 3-21. Noise Impacts

	Noise Impacts							
Would the project result in:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a)	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?							
b)	Generation of excessive ground borne vibration or ground borne noise levels?			\boxtimes				
c)	For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				\boxtimes			

3.14.1 Environmental Setting and Baseline Conditions

The Project site is an existing water treatment facility on Hill Canyon Road south of Santa Rosa Road in Ventura County, California. The surrounding area is comprised of farmland to the east and west, a residential neighborhood to the north, and Santa Rosa Valley Park and open space to the south. The existing facility generates low noise levels, such as low humming associated with water pumping infrastructure from existing water operations. The Project is not located inside an airport land use plan or in the vicinity of an airstrip. The nearest airport to the Project site is Camarillo Airport, approximately 8 miles to the southwest. The closest noise sensitive areas to the Project site are Santa Rosa Valley Park 500 feet to the southwest, as well as numerous homes nearby with the closest being approximately 160 feet to the north. **Table 3-22** below identifies the temporary noise levels in the A-weighted decibels (dBA) for common construction equipment, including those that would be used for this Project.

Table 3-22. Construction Equipment Noise Emissions Levels²⁴

Equipment	Typical Noise Levels 50 from Source (dBA)			
Pile Driver (Impact)	101			
Rock Drill	98			
Pile Driver (Sonic)	96			
Paver	89			
Scraper	101			
Crane, Derrick	98			
Jack Hammer	96			
Truck	89			
Concrete Mixer	89			
Dozer	88			
Grader	88			

²⁴ Federal Transit Administration, April 1995. Accessed 31 March 2021.

Equipment	Typical Noise Levels 50 from Source (dBA)			
Impact Wrench	88			
Loader	85			
Pneumatic Tool	85			
Crane, Mobile	83			
Compactor	82			
Concrete Pump	82			
Shovel	82			
Air Compressor	81			
Generator	81			
Backhoe	80			
Concrete Vibrator	76			
Pump	76			
Saw	76			
Roller	74			

Ventura County²⁵ allows for noise sensitive uses proposed to be located near highways, truck routes, heavy industrial activities and other relatively continuous noise sources shall incorporate noise control measures so that: 1) Indoor noise levels in habitable rooms do not exceed Community Noise Equivalent Levels of 45 dBA; and 2) Outdoor noise levels do not exceed 60 dBA or the equivalent continuous sound pressure level of 1-hour at 65 dBA.

3.14.2 Impact Assessment

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less than Significant Impact. The Project would result in an increase of temporary and permanent ambient noise levels. Temporary construction activities would result an increase in noise levels due to the use of construction equipment but would cease upon Project completion. The operational noise of the new treatment facility would negligibly increase ambient noise levels but would not generate levels too high for the residential area to the north or the park to the south.

Noise levels on average diminish 6 dBA each time distance is doubled from the noise source. This is called the inverse square law. The nearest noise sensitive area is a residence 160 feet to the north. At a distance of 160 feet from the Project site, the noise would diminish by 42.14 dBA. Both the temporary construction noise and the continuous noise from treatment operations emitted from the Project site would meet Ventura County noise control measures. Furthermore, the Project would perform construction activities to daylight hours Monday through Friday between 7:00 a.m. and 7:00 p.m. Although construction is not anticipated to occur during the weekend, occasionally it may be necessary, hence work hours would be limited to 9:00 a.m. to 7:00 p.m. on Saturdays with no construction activities to occur on Sundays or County holidays. Therefore, impacts would be less than significant.

b) Would the project result in generation of excessive ground borne vibration or ground borne noise levels?

Less than Significant Impact. Construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The nearest area that would be sensitive to ground borne vibration is the residence located 160 feet north of the Project. Construction activities can result in varying degrees of ground vibration, depending on the equipment and methods used, distance to the affected structures, and soil type. Given the type of temporary construction activities, the Project would not generate excessive ground-borne vibration. Construction is not anticipated to result in perceptible vibration levels at the

²⁵ Ventura County EIR, Appendix E. Ventura County. Website: https://docs.vcrma.org/. Accessed 31 March 2021.

nearby receiver locations. Minimal vibration could occur from movement of equipment and materials to and from the construction site, however, vibration would be temporary and momentary in duration and would not be excessive. In addition, vibration levels subside with increased distance from the source, diminishing the effect to nearby receptors. Therefore, impacts would be less than significant.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Project site is not located within the vicinity of any private airstrip or airport land use plan, or within two miles of an airstrip in which a plan has not been adopted, which would cause people residing or working within the Project site to experience excessive noise levels. The nearest airport to the Project sites is Camarillo Airport over eight miles southwest of the Project. There would be no potential for exposure of people to excessive noise levels related to airport operations. Therefore, there would be no impact.

3.15 Population and Housing

Table 3-23. Population and Housing Impacts

Population and Housing Impacts								
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a)	Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?							
b)	Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?							

3.15.1 Environmental Setting and Baseline Conditions

The surrounding area is comprised of farmland to the east and west, a residential neighborhood to the north, and Santa Rosa Valley Park and open space to the south. The nearest incorporated urban centers are Camarillo, California about 6 miles southwest, Thousand Oaks, California about 6 miles to the southeast, and Simi Valley approximately 9 miles to the northeast. Camarillo has a population of about 70,000 people, Thousand Oaks has a population of approximately 127,000 people, and Simi Valley has a population of about 126,000 people, while Ventura County overall has a population of about 846,000 people according to the United States Census Bureau²⁶.

3.15.2 Impact Assessment

a) Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact. The Project would not induce substantial unplanned population growth in an area, either directly or indirectly. The Project proposes to provide TAC water treatment to existing production wells and water facility. Water treatment would not cause an increase in water production or distribution. The Project would not result in the construction of new housing and would not indirectly result in a growth in the population. The facility is located in an unincorporated part of Ventura County and would not result in the displacement of residents, inability of new housing to be built in the area or result in the construction of new housing as a result of water treatment. Therefore, there would be no impact.

b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The Project would not displace any of the existing people or homes in the area. Project activities would not alter housing or the existing community in a way that would result in the need for new housing to be constructed elsewhere. Therefore, there would be no impact.

²⁶Quick Facts. US Census Bureau. Website: https://www.census.gov/quickfacts. Accessed 31 March 2021.

3.16 Public Services

Table 3-24. Public Services Impacts

· ubic	Table 5-24. Public Services impacts								
	Public Services Impacts								
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact				
a)	Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:								
	Fire protection?				\boxtimes				
	Police protection?				\boxtimes				
	Schools?				\boxtimes				
	Parks?				\boxtimes				
	Other public facilities?			\boxtimes					

3.16.1 Environmental Setting and Baseline Conditions

The surrounding area is comprised of farmland to the east and west, a residential neighborhood to the north, and Santa Rosa Valley Park and open space to the south. The Project would provide water treatment to existing water wells and facilities and would not bring about an increase in population or cause the need to expansion of Fire, Police, School, and Park Services. Waste materials created from the Project would be disposed of at the Waste Management Simi Valley Landfill and would not require the expansion of waste facilities for the area.

Nearest Provided Services:

- Fire Protection: Ventura County Fire Station 40 approximately 3 miles to the northeast, and Ventura County Fire Station 52 approximately 3.7 miles to the southwest.
- Police Protection: Camarillo Police Department approximately 5 miles to the southwest.
- Schools: Wildwood Elementary School 2.5 miles to the southeast, Las Colinas Middle School approximately 3.5 miles to the east, and Cal Lutheran University approximately 3 miles to the southeast.
- Parks: Santa Rosa Valley Park 500 feet to the southwest.
- Landfills: Waste Management Simi Valley Landfill is approximately 8.5 miles to the northeast.

3.16.2 Impact Assessment

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the

construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

Fire Protection, Police Protection, Schools, Parks:

No Impact. The Project would not create any new structures, uses, or result in unanticipated population growth that would require additional schools, parks, or other public facilities. There would be no impact.

Landfills:

Less than Significant Impact. The Project would not result in the need for the creation or altering of a governmental facility to maintain landfill facilities within the community. The Project would result in the providing TCP water treatment to an existing water treatment facility. During the construction and installation of the treatment facility some waste would be generated and sent to the Simi Valley Waste Management Landfill. The landfill is projected to have a waste capacity through the year 2050 according to the Simi Valley General Plan Environmental Impact Report.²⁷ The GAC treatment medium would be collected and replaced approximately every eight months. This medium is taken back to the generation facility to be reactivated and recycled and would not be disposed of in any landfills. Therefore, impacts would be less than significant.

²⁷ Utilities/Service Systems. Simi Valley General Plan EIR. Website: https://www.simivalley.org/. Accessed 31 March 2021.

3.17 Recreation

Table 3-25. Recreation Impacts

	Recreation Impacts									
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact					
a)	Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				\boxtimes					
b)	Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				\boxtimes					

3.17.1 Environmental Setting and Baseline Conditions

There are two parks/recreational facilities near the Project site. Santa Rosa Valley Park is approximately 0.4 miles southeast at 10241 Hill Canyon Road in Camarillo. The park offers 50 acres of natural open space that is suitable for horseback riding, wilderness exploring, hiking, or other environmentally friendly activity. Visitors can access several local trails from this park. It is open from 7:30 a.m. to 8:00 p.m. most of the year depending on the season. Hill Canyon Trailhead to Hawk Canyon is 0.6 miles southwest of the Project.

3.17.2 Impact Assessment

- a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?
 No Impact. The Project would not increase the use of existing parks and would not affect the use of any parks or require the construction or expansion of any new recreational facilities. There would be no impact.
- b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

No Impact. The Project would not require the construction or expansion of recreational facilities, which could have an adverse physical effect on the environment. There would be no impact.

3.18 Transportation

Table 3-26. Transportation Impacts

	unic 0-20. Transportation impacts									
	Transportation Impacts									
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact					
a)	Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?									
b)	Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)??									
c)	Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				\boxtimes					
d)	Result in inadequate emergency access?				\boxtimes					

3.18.1 Environmental Settings and Baseline Conditions

The Project site is adjacent to Hill Canyon and Santa Rosa Road, in an area dominated by agricultural land uses. Santa Rosa Road runs through Santa Rosa Valley between Highway 23 and runs parallel to Highway 118. Santa Rosa Road possesses Class II bike lane.

3.18.2 Impact Assessment

a) Would the project conflict with a plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less than Significant Impact. Ventura County General Plan accounts for regional movement and development throughout their respective planning area. During construction, Project-generated traffic would temporarily increase truck volumes on Santa Rosa Road. However, Project-generated truck trip would occur for short durations during material transport phases. This introduction of additional construction equipment is temporary. During operations of the treatment facility, chemicals would be delivered approximately monthly and the GAC media used for water treatment would need to be replaced approximately every eight months. This would add minimal traffic trips to the Project site on a yearly basis. Due to the Project's minimal amount of vehicular travel increase due to sparse deliveries and temporary construction activities, the Project would not significantly impact existing facilities and would not create additional demand for existing facilities and therefore not conflict with a plan, ordinance or policy regarding a circulation system. Impacts would be less than significant.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3 subdivision (b)?

Less than Significant Impact. Additional but temporary vehicle trips would be necessary for the construction of the Project; however, operation and maintenance activities are not anticipated to increase significantly as a result of implementing the Project. Minimal additional truck trips would be needed to replace the GAC media and provide water treatment chemicals to the site each year. These additional truck trips would not result in a

substantial increase in vehicle miles travelled and therefore would be consistent with the CEQA Guidelines Section 15064.3(b). Impacts would be less than significant.

c) Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. The Project does not increase hazards due to any of its design features, nor does it create incompatible uses with the existing traffic operations. Construction activities would largely occur within and next to, the existing water facility with intermittent trucks entering and exiting the property. The site would be designed to allow for adequate maneuvering of such vehicles to enter and exit the site in a forward motion. Impacts would be less than significant.

d) Would the project result in inadequate emergency access?

No Impact. Tactical emergency access to all portions of the Project site are less than 800 feet from existing public rights-of-way. All existing roads are in full compliance with Ventura County Public Road Standards. Construction activities would not result in any physical changes to the transportation system or traffic operation that would potentially affect emergency access. Once construction activities are complete, no long-term sources of Project traffic would occur that would interfere with emergency access. There would be no impact.

3.19 Tribal Cultural Resources

Table 3-27. Tribal Cultural Resources Impacts

rab	able 3-27. Tribal Cultural Resources Impacts								
	Tribal Cultural Resources Impacts								
		Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact			
a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:			\boxtimes						
	i.	Listed or eligible for listing in the California Register of Historical Resources, or in the local register of historical resources as defined in Public Resources Code section 5020.1(k), or							
	ii.	A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.							

3.19.1 Environmental Setting and Baseline Conditions

The Chumash People have lived for centuries along the California coast and inland areas of what are now Ventura, Santa Barbara and San Luis Obispo Counties. Approximately three thousand Chumash people are still living in Ventura, Santa Barbara, and San Luis Obispo counties.²⁸

The Project site lies within Ventura County, which occupies an archeologically and historically rich part of the California coastal region. The Project site is adjacent to Hill Canyon and Santa Rosa Roads, in an area dominated by agricultural land uses.

3.19.2 Impact Assessment

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

²⁸ California's Chumash Indians- July 12, 1988, by Lynne McCall, Rosalind Perry, Accessed April 25, 2021.

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- a-i) Listed or eligible for listing in the California Register of Historical Resources, or in the local register of historical resources as defined in Public Resources Code section 5020.1(k), or
- a-ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Less than Significant Impacts with Mitigation Incorporated. The District, as a public lead agency, received formal request for notification of a project from the Coastal Band of the Chumash Nation tribe, pursuant to AB52. A records search was conducted at the SCCIC, California State University, Fullerton. A record search of the NAHC Sacred Lands File was also conducted. Both searches resulted in a declaration that no sacred sites or tribal cultural resources are known to exist within the Project site or in the vicinity.

In addition to the record searches discussed above letters were sent out to nine local Native American Tribes were notified of Project activities (See Section 3.6 above for full list of Native American Tribes).

Since the completion of the administrative draft of this document and fulfilling 30-days notification for Native American Tribal consultation, responses from two of the nine tribes contacted, from the list provided by NAHC, were received and did not request consultation regarding the project. All Tribal correspondence details are included in **Appendix C** at the end of this document.

Although unlikely, if unanticipated tribal cultural resources are discovered, the following mitigation measures **CUL-1** and **CUL-2** would reduce impacts to less than significant.

3.20 Utilities and Service Systems

Table 3-28. Utilities and Service Systems Impacts

	Utilities and Service Systems Impacts								
	Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact				
a)	Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			\boxtimes					
b)	Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				\boxtimes				
c)	Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?				\boxtimes				
d)	Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			\boxtimes					
e)	Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			\boxtimes					

3.20.1 Environmental Setting and Baseline Conditions

The existing facility is connected to Southern California Edison's electrical grid via electrical poles found adjacent to the site. The facility produces water from the existing on-site well and delivers it to consumers within its service area through underground water mains. Telecommunications with the facility are provided through a wireless SCADA system. No wastewater would be generated by the facility, nor does the site consume natural gas. Stormwater is handled on-site through pervious surfaces.

The landfill servicing the site is the Simi Valley Landfill and Recycling Center. At last measurement in 2019, the facility had an estimated remaining capacity of 82,954,873 cubic yards, with a permitted throughput of 64,750 tons per day.²⁹ Capacity is not anticipated until year 2050.

²⁹ CalRecycle. SWIS Facility/Site Activity Details: Simi Valley Landfill & Recycling Center (56-AA-0007). Website: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/608?siteID=3954. Accessed April 2021.

3.20.2 Impact Assessment

a) Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less than Significant Impact. The facility has existing connections to electric power and telecommunication services to operate the lighting, electrical equipment and the SCADA system. As discussed in **Section 3.7** Energy, the Project would result in upgrades to the existing electrical service to allow for more horsepower for the new pumps. Any additional energy needed would be used in order to treat contaminated water and would thus serve to protect the public and provide clean drinking water. Additional energy usage would be small enough to not have a significant impact on the energy grid. Impacts would be less than significant.

b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

No Impact. The Project does not propose to increase groundwater pumping, but would continue with approved existing drinking water capacity. Backwash water generated from the Project is of sufficient quality to be injected into the District's non-potable water system. Additional water extracted from the groundwater wells for the purposes of backwashing the GAC treatment facility, would be offset by other groundwater wells producing non-potable water. There would be no impact.

c) Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

No Impact. The Project would not generate wastewater, and thus there would be no impact.

- d) Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? and
- e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?
- d-e) Less than Significant Impact. The Project would generate minimal waste and inert debris during the construction phase of the Project. Operational and maintenance activities would include replacement of the GAC media. The media would be regenerated and recycled for future treatment use. Impacts would be less than significant.

3.21 Wildfire

Table 3-29. Wildfire Impacts

1 0010	Wildfin Innoces									
	Wildfire Impacts									
	cated in or near state responsibility areas or lands sified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact					
a)	Substantially impair an adopted emergency response plan or emergency evacuation plan?			\boxtimes						
b)	Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrollable spread of wildfire?									
c)	Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?									
d)	Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?									

3.21.1 Environmental Setting and Baseline Conditions

The California Department of Forestry and Fire Protection (CAL FIRE) uses Fire Hazard Severity Zones (FHSZ) to classify the anticipated fire-related hazard for state responsibility areas (SRAs). The classifications include Non-Wildland Non-Urban, Moderate, High, and Very High. Fire hazard measurements take into account the following elements: vegetation, topography, weather, crown fire production, and ember production and movement. The very high fire hazard severity designation can be attributed to a variety of factors including highly flammable, dense, drought adapted desert chaparral vegetation, seasonal, strong winds, and a Mediterranean climate that results in vegetation drying during the hot summer months.

The surrounding area is comprised of farmland to the east and west, a residential neighborhood to the north, and Santa Rosa Valley Park and open space to the south. The Project is near the Arroyo Santa Rosa and Mountclef Ridge hills which is included in a State Responsibility Area (SRA)³⁰ for wildfire protection and is designated as a moderate to very high fire hazard risk area.³¹ The Project site itself is relatively flat, but with the mountainous backdrop and large open space areas, wildfires are possible.

The nearest fire protection is provided by Ventura County Fire Station 40 approximately 3 miles to the northeast, and Ventura County Fire Station 52 approximately 3.7 miles to the southwest. Local fire protection works with CAL FIRE when needed as a responding agency when ground support and air attack assistance are needed for fire suppression.

³⁰ California State Responsibility Areas. ArcGIS. Website: https://www.arcgis.com/. Accessed 1 April 2021.

³¹ Is Your Home in a Fire Hazard Severity Zone?. ArcGIS. Website: https://www.arcgis.com/. Accessed 1 April 2021.

3.21.2 Impact Assessment

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact. The Project is located in an SRA and near a zone designated as a moderate to very-high fire hazard severity risk area. Project activities would not substantially impair an adopted emergency response plan or emergency evacuation plan. During construction of the GAC facility, work trucks enter and exit the property within significant impacts to Santa Rosa Road. Impacts would be less than significant.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less than Significant Impact with Mitigation Incorporated. According to CalFIRE, the area surrounding the Project site is in an SRA and classified as moderate to very high fire hazard severity zone. (See Figure 3-12). Construction-related equipment and activities have the potential to induce sparking and fire ignition where work is done in or adjacent to dry grass or other flammable fuel sources. This would result in starting a potentially significant wildfire event into the Mountclef Ridge hills. Implementation of the following mitigation measures would reduce impacts to less than significant.

3.21.2.1 Mitigation Measures:

The following measures would be implemented during or prior to the start of construction:

- WILD-1 (Defensible Space). Pre-wildfire mitigation measures focus on the maintenance of defensible space and fire-focused landscaping, and may include:
 - a) Highly flammable vegetation near Project will be maintained to reduce fire fuel, as appropriate.
 - b) Dispose of debris, such as dry debris, leaves, and dead limbs near and within the Project site.
 - c) Design defensible spaces with fire breaks around the Project site, as appropriate.
- WILD-2 (Water Source). Adequate on-site water sources will be made available during high fire risk
 construction activities and will include, but not limited to, water truck, water backpacks, and/or fire
 extinguishers.

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Less than Significant Impact with Mitigation Incorporated. The Project is located in lands classified as moderate to very high fire hazard severity zone. The Project site is relatively flat, surrounded by agricultural and open space lands with existing drinking water infrastructure. Any potential impacts associated with construction, consolidation, and implementation of the new facilities would be considered less than significant with the implementation of WILD-1 and WILD-2 mitigation measures as noted above.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less than Significant Impact with Mitigation Incorporated. The Project is located in lands classified as very high fire hazard severity zone. The majority of the Project site is in an SRA. The Project site is relatively flat and already developed area with existing infrastructure. Any potential impacts associated with construction, consolidation and implementation of the Project's new facilities relating to slope, flooding, and landslides would be considered less than significant with the implementation of **WILD-1** and **WILD-2** mitigation measures as noted above.

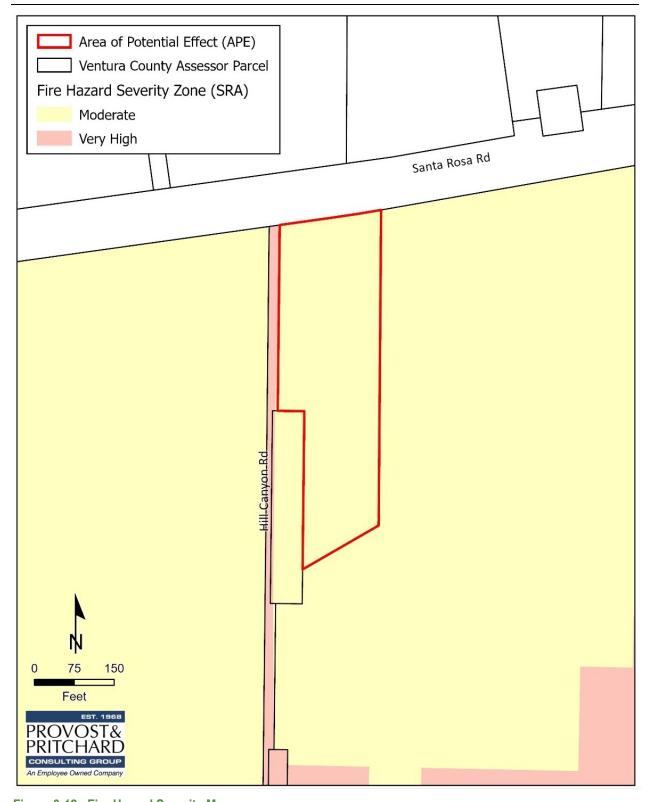


Figure 3-12. Fire Hazard Severity Map

3.22 **CEQA Mandatory Findings of Significance**

Table 3-30. Mandatory Findings of Significance Impacts

lable	able 3-30. Mandatory Findings of Significance impacts								
	Mandatory Findings of	Significance	Impacts						
	Does the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact				
a)	Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?								
b)	Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?				\boxtimes				
c)	Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			\boxtimes					

3.22.1 Environmental Settings and Baseline Conditions

The Project site is an existing water treatment facility on Hill Canyon Rd south of Santa Rosa Rd in Ventura County, California. The surrounding area is comprised of farmland to the east and west, a residential neighborhood to the north, and Santa Rosa Valley Park and open space to the south. The Project itself proposes to expand the existing facility by using some of the adjacent farmland. The nearest incorporated urban centers are Camarillo, California about 6 miles southwest, Thousand Oaks, California about 6 miles to the southeast, and Simi Valley approximately 9 miles to the northeast. The largest metropolitan area to the Project site is approximately 40 miles southeast in Los Angeles. The Project itself proposes to expand the existing facility by using some of the adjacent farmland.

3.22.2 Impact Assessment

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below selfsustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less than Significant Impact with Mitigation Incorporated. The analysis conducted in this Initial Study/Mitigated Negative Declaration results in a determination that the Project, with incorporation of mitigation measures, would have a less than significant effect on the environment. The potential for impacts to

Chapter 3 Impact Analysis – CEQA Mandatory Findings of Significance Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project

biological resources and cultural resources from the implementation of the proposed Project will be less than significant with the incorporation of the mitigation measures discussed in **Chapter 3.**

Historic or subsurface cultural resources have not been identified in the Project area and are unlikely to occur with the Project area, which is located intensive agricultural land and adjacent to the existing drinking water facility. Therefore, degradation to the cultural environment in the Project area is not anticipated to occur.

Accordingly, the Project will involve no potential for significant impacts through: the degradation of the quality of the environment, the reduction in the habitat or population of fish or wildlife, including endangered plants or animals, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of a major period of California history or prehistory.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

No Impact. CEQA Guidelines Section 15064(i) states that a lead agency shall consider whether the cumulative impact of a project is significant and whether the effects of the project are cumulatively considerable. The assessment of the significance of the cumulative effects of a project must, therefore, be conducted in connection with the effects of past projects, other current projects, and probable future projects. The Project would construct a GAC water treatment plant to remove the TCP for potable and non-potable water supply wells.

The Project would not have effects that would be cumulatively considerable when considered with effects of past, current or probably future Projects. All Project construction would be located adjacent to the existing facility. No additional roads would be constructed as a result of the Project, nor would any additional public services be required. The proposed Project is intended to improve water quality and would not result in direct or indirect population growth. Therefore, implementation of the Project would not result in significant cumulative impacts and all potential impacts would be reduced to less than significant through the implementation of basic regulatory requirements incorporated into future Project design.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less than Significant Impacts. The Project would not substantially affect any sensitive receptors, or other people who could be harmed by the Project construction. All the identified construction-related impacts were determined to be less than significant with mitigation, less than significant, or to have not impact. Implementation of basic regulatory requirements identified in this IS/MND and identified mitigation measures would ensure that impacts are less than significant.

3.23 **Determination:** (To be completed by the Lead Agency)

On th	ne basis of this initial evaluation:	
	I find that the proposed project COULD NOT have NEGATIVE DECLARATION will be prepared.	a significant effect on the environment, and a
	I find that although the proposed project could have a s not be a significant effect in this case because revisions by the project proponent. A MITIGATED NEGATIV	in the project have been made by or agreed to
	I find that the proposed project MAY have a sign ENVIRONMENTAL IMPACT REPORT is required.	
	I find that the proposed project MAY have a "potentiall unless mitigated" impact on the environment, but at le in an earlier document pursuant to applicable legal stan measures based on the earlier analysis as described of IMPACT REPORT is required, but it must analyze only	ast one effect 1) has been adequately analyzed dards, and 2) has been addressed by mitigation attached sheets. An ENVIRONMENTAL
	I find that although the proposed project could have a all potentially significant effects (a) have been analyzed DECLARATION pursuant to applicable standards, an to that earlier EIR or NEGATIVE DECLARATION, are imposed upon the proposed project, nothing further	adequately in an earlier EIR or NEGATIVE d (b) have been avoided or mitigated pursuant including revisions or mitigation measures that
Signati	ture	Date
Printed	ed Name/Position	

Chapter 4 Mitigation Monitoring and Reporting Program

This Mitigation Monitoring and Reporting Program (MMRP) has been formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) for the Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project (Project) for Camrosa Water District [District]. The MMRP lists mitigation measures recommended in the IS/MND for the Project and identifies monitoring and reporting requirements.

Table 4-1 presents the mitigation measures identified for the Project. Each mitigation measure is numbered with a symbol indicating the topical section to which it pertains, a hyphen, and the impact number. For example, AIR-2 would be the second mitigation measure identified in the Air Quality analysis of the IS/MND.

The first column of **Table 4-1** identifies the mitigation measure. The second column, entitled "When Monitoring is to Occur," identifies the time the mitigation measure should be initiated. The third column, "Frequency of Monitoring," identifies the frequency of the monitoring of the mitigation measure. The fourth column, "Agency Responsible for Monitoring," names the party ultimately responsible for ensuring that the mitigation measure is implemented. The last two columns will be used respectively by CWD to verify the method utilized to confirm or implement compliance with mitigation measures and identify the individual(s) responsible to confirm mitigation measures have been complied with and monitored.

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	Bio	logical Resources			
BIO-1a (Avoidance):					
The Project's construction activities shall occur, if feasible, between September 16 and January 31 (outside of nesting bird season) in an effort to avoid impacts to nesting birds.	Prior to the start of construction	Once, prior to construction	Camrosa Water District with assistance of a qualified biologist	Pre-construction report	
BIO-1b (Pre-construction Surveys):					
If activities must occur within nesting bird season (February 1 to September 15), a qualified biologist shall conduct preconstruction surveys for nesting birds within 10 days prior to the start of construction. The survey shall include the entire work area and surrounding lands within 50 feet. All raptor nests will be considered "active" upon the nest-building stage.	If construction activities and/or vegetation removal must occur between February 1 and August 31, then within 10 days prior to the start of work	February 1- September 15	Camrosa Water District with assistance of a qualified biologist	Pre-construction report	
BIO-1c (Establish Buffers):					
On discovery of any active nests near work areas, the biologist shall determine appropriate construction setback distances based on applicable CDFW and/or USFWS guidelines and/or the biology of the species in question. Construction buffers shall be identified with flagging, fencing, or other easily visible means, and shall be maintained until the biologist has determined that the nestlings have fledged and are no longer dependent on the nest.	Prior to the start of construction .	February 1- September 15	Camrosa Water District with assistance of a qualified biologist	Pre-construction report	
BIO-1d (Additional Mitigation):					
On discovery of any coastal California gnatcatcher or least Bell's vireo individuals during the pre-construction survey, further mitigation measures may be required. Least Bell's Vireo Survey Guidelines (US Fish & Wildlife Service, 1/2001) and Coastal California Gnatcatcher Presence/Absence Survey Guidelines (US Fish & Wildlife Service, 2/1997) shall be consulted to determine appropriate further actions.	Prior earthmoving/ construction activities	Daily	Camrosa Water District with assistance of a qualified biologist	Pre-construction report	

Chapter 4 Mitigation Monitoring and Reporting Program Conejo Granular Activated Carbon Water Treatment Plant Project

Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
BIO-1e (WEAP Training):					
On discovery of any special status bird species, all personnel associated with Project construction shall attend mandatory Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist, prior to initiating construction activities (including staging and mobilization). The specifics of this program shall include identification of the special status species and suitable habitats, a description of the regulatory status and general ecological characteristics of the species, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information, along with photographs or illustrations of the special status species, shall also be prepared for distribution to all contractors, their employees, and all other personnel involved with construction of the Project. All employees shall sign a form documenting that they have attended WEAP training and understand the information presented to them.	During earthmoving/ construction activities	Daily	Camrosa Water District with assistance of a qualified biologist	Training materials and log- in sheet	
BIO-2a (Operational Hours):					
Construction activities shall be limited to daylight hours to reduce potential impacts to special status bats that could be foraging onsite.	During earthmoving/ construction activities	Daily	Camrosa Water District	Verify timesheets or other means of verification	
CUL-1 (Archaeological Resources)					
): In the event that archaeological remains are encountered at any time during development or ground-moving activities within the entire project area, all work in the vicinity of the find shall halt until a qualified archaeologist can assess the discovery. The District shall implement all recommendations of the archaeologist necessary to avoid or reduce to a less than significant level potential impacts to cultural resource. Appropriate actions could include a Data Recovery Plan or preservation in place.	During ground disturbing activities and in the event potential archaeological artifacts or resources are uncovered	Daily during ground disturbing activities	Camrosa Water District with assistance of a qualified archaeologist	On-site observation	
CUL-2 (Human remains)					
If human remains are uncovered, or in any other case when human remains are discovered during construction, the Ventura County Coroner is to be notified to arrange their proper treatment and disposition. If the remains are identified—on the basis of archaeological context, age, cultural associations, or biological traits—as those of a Native American, California	During ground disturbing activities and in the event human remains are uncovered	Daily during ground disturbing activities	Camrosa Water District with assistance of a qualified archaeologist	On-site observation	

Chapter 4 Mitigation Monitoring and Reporting Program Conejo Granular Activated Carbon Water Treatment Plant Project

Mitigation Measure/Condition of Approval	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance	
Health and Safety Code 7050.5 and Public Resource Code 5097.98 require that the coroner notify the NAHC within 24 hours of discovery. The NAHC would then identify the Most Likely Descendent who would determine the manner in which the remains are treated.						
WILD-1 (Defensible Space).						
Pre-wildfire mitigation measures focus on the maintenance of defensible space and fire-focused landscaping, and may include: a) Highly flammable vegetation near Project will be maintained to reduce fire fuel, as appropriate. b) Dispose of debris, such as dry debris, leaves, and dead limbs near and within the Project site. c) Design defensible spaces with fire breaks around the Project site, as appropriate.	During earthmoving/ construction activities	Daily	Camrosa Water District	On-site verification of vegetation maintenance		
WILD-2 (Water Source).	WILD-2 (Water Source).					
Adequate on-site water sources will be made available during high fire risk construction activities and will include, but not limited to, water truck, water backpacks, and/or fire extinguishers.	During earthmoving/ construction activities	Daily	Camrosa Water District	On-site verification of fire suppression		

Appendix A CalEEMod Output Files

Updated Version - CalEEMod Version 2020.4.0

Camarosa GAC Design - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design

Ventura County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	2.50	Acre	2.50	108,900.00	0

1.2 Other Project Characteristics

8

Urbanization Rural **Wind Speed (m/s)** 2.6

Precipitation Freq (Days) 3

Operational Year

2022

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Utility Company Southern California Edison

CO2 Intensity 390.98 (lb/MWhr)

CH4 Intensity (lb/MWhr)

0.033

N2O Intensity (lb/MWhr)

0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Climate Zone

Construction Phase - Construction is anticipated to take 8 months. November 2021-August 2022

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Fleet Mix -

Area Coating -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	133.00
tblConstructionPhase	NumDays	3.00	30.00

Camarosa GAC Design - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseEndDate	4/4/2022	8/11/2022
tblConstructionPhase	PhaseEndDate	3/7/2022	7/14/2022
tblConstructionPhase	PhaseEndDate	5/3/2021	1/10/2022
tblConstructionPhase	PhaseEndDate	3/21/2022	7/28/2022
tblConstructionPhase	PhaseEndDate	4/23/2021	12/31/2021
tblConstructionPhase	PhaseStartDate	3/22/2022	7/29/2022
tblConstructionPhase	PhaseStartDate	5/4/2021	1/11/2022
tblConstructionPhase	PhaseStartDate	4/24/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	3/8/2022	7/15/2022
tblConstructionPhase	PhaseStartDate	4/21/2021	11/21/2021
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

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Camarosa GAC Design - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
2021	0.0237	0.2747	0.1663	3.8000e- 004	0.0254	0.0105	0.0359	2.9800e- 003	9.6900e- 003	0.0127	0.0000	33.5120	33.5120	0.0105	4.0000e- 005	33.7847
2022	0.1669	1.1415	1.1916	2.3900e- 003	0.0687	0.0526	0.1213	0.0230	0.0503	0.0733	0.0000	205.1497	205.1497	0.0326	4.0000e- 003	207.1575
Maximum	0.1669	1.1415	1.1916	2.3900e- 003	0.0687	0.0526	0.1213	0.0230	0.0503	0.0733	0.0000	205.1497	205.1497	0.0326	4.0000e- 003	207.1575

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
2021	0.0237	0.2747	0.1663	3.8000e- 004	0.0122	0.0105	0.0228	1.5600e- 003	9.6900e- 003	0.0113	0.0000	33.5119	33.5119	0.0105	4.0000e- 005	33.7846
2022	0.1669	1.1415	1.1916	2.3900e- 003	0.0570	0.0526	0.1096	0.0174	0.0503	0.0676	0.0000	205.1495	205.1495	0.0326	4.0000e- 003	207.1573
Maximum	0.1669	1.1415	1.1916	2.3900e- 003	0.0570	0.0526	0.1096	0.0174	0.0503	0.0676	0.0000	205.1495	205.1495	0.0326	4.0000e- 003	207.1573

Camarosa GAC Design - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	26.38	0.00	15.78	27.17	0.00	8.22	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
3	10-21-2021	1-20-2022	0.4210	0.4210
4	1-21-2022	4-20-2022	0.5677	0.5677
5	4-21-2022	7-20-2022	0.5580	0.5580
6	7-21-2022	9-30-2022	0.0550	0.0550
		Highest	0.5677	0.5677

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Area	8.5600e- 003	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste			,			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water		 	,			0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.5600e- 003	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

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Camarosa GAC Design - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Area	8.5600e- 003	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.5600e- 003	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/21/2021	12/31/2021	5	30	
2	Grading	Grading	1/1/2022	1/10/2022	5	6	
3	Building Construction	Building Construction	1/11/2022	7/14/2022	5	133	

Camarosa GAC Design - Ventura County, Annual

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Paving	Paving	7/15/2022	7/28/2022	5	10	
5	Architectural Coating	Architectural Coating	•	8/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 6

Acres of Paving: 2.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 6,534 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	46.00	18.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Fugitive Dust					0.0239	0.0000	0.0239	2.5800e- 003	0.0000	2.5800e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.2743	0.1612	3.7000e- 004		0.0105	0.0105		9.6900e- 003	9.6900e- 003	0.0000	32.2897	32.2897	0.0104	0.0000	32.5507
Total	0.0232	0.2743	0.1612	3.7000e- 004	0.0239	0.0105	0.0344	2.5800e- 003	9.6900e- 003	0.0123	0.0000	32.2897	32.2897	0.0104	0.0000	32.5507

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e- 004	4.3000e- 004	5.0600e- 003	1.0000e- 005	1.5000e- 003	1.0000e- 005	1.5100e- 003	4.0000e- 004	1.0000e- 005	4.1000e- 004	0.0000	1.2223	1.2223	4.0000e- 005	4.0000e- 005	1.2339
Total	5.2000e- 004	4.3000e- 004	5.0600e- 003	1.0000e- 005	1.5000e- 003	1.0000e- 005	1.5100e- 003	4.0000e- 004	1.0000e- 005	4.1000e- 004	0.0000	1.2223	1.2223	4.0000e- 005	4.0000e- 005	1.2339

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					0.0107	0.0000	0.0107	1.1600e- 003	0.0000	1.1600e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.2743	0.1612	3.7000e- 004		0.0105	0.0105		9.6900e- 003	9.6900e- 003	0.0000	32.2896	32.2896	0.0104	0.0000	32.5507
Total	0.0232	0.2743	0.1612	3.7000e- 004	0.0107	0.0105	0.0213	1.1600e- 003	9.6900e- 003	0.0109	0.0000	32.2896	32.2896	0.0104	0.0000	32.5507

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e- 004	4.3000e- 004	5.0600e- 003	1.0000e- 005	1.5000e- 003	1.0000e- 005	1.5100e- 003	4.0000e- 004	1.0000e- 005	4.1000e- 004	0.0000	1.2223	1.2223	4.0000e- 005	4.0000e- 005	1.2339
Total	5.2000e- 004	4.3000e- 004	5.0600e- 003	1.0000e- 005	1.5000e- 003	1.0000e- 005	1.5100e- 003	4.0000e- 004	1.0000e- 005	4.1000e- 004	0.0000	1.2223	1.2223	4.0000e- 005	4.0000e- 005	1.2339

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	ii ii				0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e- 003	0.0510	0.0277	6.0000e- 005		2.2300e- 003	2.2300e- 003		2.0500e- 003	2.0500e- 003	0.0000	5.4308	5.4308	1.7600e- 003	0.0000	5.4747
Total	4.6200e- 003	0.0510	0.0277	6.0000e- 005	0.0213	2.2300e- 003	0.0235	0.0103	2.0500e- 003	0.0123	0.0000	5.4308	5.4308	1.7600e- 003	0.0000	5.4747

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3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e- 004	1.0000e- 004	1.1600e- 003	0.0000	3.8000e- 004	0.0000	3.8000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2975	0.2975	1.0000e- 005	1.0000e- 005	0.3001
Total	1.2000e- 004	1.0000e- 004	1.1600e- 003	0.0000	3.8000e- 004	0.0000	3.8000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2975	0.2975	1.0000e- 005	1.0000e- 005	0.3001

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					9.5600e- 003	0.0000	9.5600e- 003	4.6200e- 003	0.0000	4.6200e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
I On Road	4.6200e- 003	0.0510	0.0277	6.0000e- 005		2.2300e- 003	2.2300e- 003		2.0500e- 003	2.0500e- 003	0.0000	5.4308	5.4308	1.7600e- 003	0.0000	5.4747
Total	4.6200e- 003	0.0510	0.0277	6.0000e- 005	9.5600e- 003	2.2300e- 003	0.0118	4.6200e- 003	2.0500e- 003	6.6700e- 003	0.0000	5.4308	5.4308	1.7600e- 003	0.0000	5.4747

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3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e- 004	1.0000e- 004	1.1600e- 003	0.0000	3.8000e- 004	0.0000	3.8000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2975	0.2975	1.0000e- 005	1.0000e- 005	0.3001
Total	1.2000e- 004	1.0000e- 004	1.1600e- 003	0.0000	3.8000e- 004	0.0000	3.8000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2975	0.2975	1.0000e- 005	1.0000e- 005	0.3001

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	0.1234	0.9712	0.9545	1.6600e- 003		0.0467	0.0467		0.0448	0.0448	0.0000	138.1073	138.1073	0.0266	0.0000	138.7734
Total	0.1234	0.9712	0.9545	1.6600e- 003		0.0467	0.0467		0.0448	0.0448	0.0000	138.1073	138.1073	0.0266	0.0000	138.7734

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3.4 Building Construction - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8600e- 003	0.0554	0.0176	2.1000e- 004	7.2100e- 003	6.0000e- 004	7.8100e- 003	2.0800e- 003	5.7000e- 004	2.6500e- 003	0.0000	20.7627	20.7627	8.2000e- 004	3.1200e- 003	21.7118
Worker	0.0123	9.7600e- 003	0.1185	3.3000e- 004	0.0384	2.2000e- 004	0.0386	0.0102	2.0000e- 004	0.0104	0.0000	30.3300	30.3300	8.3000e- 004	8.4000e- 004	30.6018
Total	0.0142	0.0652	0.1361	5.4000e- 004	0.0456	8.2000e- 004	0.0464	0.0123	7.7000e- 004	0.0130	0.0000	51.0927	51.0927	1.6500e- 003	3.9600e- 003	52.3136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	0.1234	0.9712	0.9545	1.6600e- 003		0.0467	0.0467	1 1 1	0.0448	0.0448	0.0000	138.1071	138.1071	0.0266	0.0000	138.7732
Total	0.1234	0.9712	0.9545	1.6600e- 003		0.0467	0.0467		0.0448	0.0448	0.0000	138.1071	138.1071	0.0266	0.0000	138.7732

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8600e- 003	0.0554	0.0176	2.1000e- 004	7.2100e- 003	6.0000e- 004	7.8100e- 003	2.0800e- 003	5.7000e- 004	2.6500e- 003	0.0000	20.7627	20.7627	8.2000e- 004	3.1200e- 003	21.7118
Worker	0.0123	9.7600e- 003	0.1185	3.3000e- 004	0.0384	2.2000e- 004	0.0386	0.0102	2.0000e- 004	0.0104	0.0000	30.3300	30.3300	8.3000e- 004	8.4000e- 004	30.6018
Total	0.0142	0.0652	0.1361	5.4000e- 004	0.0456	8.2000e- 004	0.0464	0.0123	7.7000e- 004	0.0130	0.0000	51.0927	51.0927	1.6500e- 003	3.9600e- 003	52.3136

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
	4.7100e- 003	0.0467	0.0585	9.0000e- 005		2.4400e- 003	2.4400e- 003		2.2500e- 003	2.2500e- 003	0.0000	7.7550	7.7550	2.4600e- 003	0.0000	7.8165
l aving	3.2800e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.9900e- 003	0.0467	0.0585	9.0000e- 005		2.4400e- 003	2.4400e- 003		2.2500e- 003	2.2500e- 003	0.0000	7.7550	7.7550	2.4600e- 003	0.0000	7.8165

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3.5 Paving - 2022 Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/уг		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e- 004	2.4000e- 004	2.9000e- 003	1.0000e- 005	9.4000e- 004	1.0000e- 005	9.5000e- 004	2.5000e- 004	0.0000	2.5000e- 004	0.0000	0.7436	0.7436	2.0000e- 005	2.0000e- 005	0.7503
Total	3.0000e- 004	2.4000e- 004	2.9000e- 003	1.0000e- 005	9.4000e- 004	1.0000e- 005	9.5000e- 004	2.5000e- 004	0.0000	2.5000e- 004	0.0000	0.7436	0.7436	2.0000e- 005	2.0000e- 005	0.7503

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Off-Road	4.7100e- 003	0.0467	0.0585	9.0000e- 005		2.4400e- 003	2.4400e- 003		2.2500e- 003	2.2500e- 003	0.0000	7.7550	7.7550	2.4600e- 003	0.0000	7.8165
l 'avilig	3.2800e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.9900e- 003	0.0467	0.0585	9.0000e- 005		2.4400e- 003	2.4400e- 003		2.2500e- 003	2.2500e- 003	0.0000	7.7550	7.7550	2.4600e- 003	0.0000	7.8165

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3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	3.0000e- 004	2.4000e- 004	2.9000e- 003	1.0000e- 005	9.4000e- 004	1.0000e- 005	9.5000e- 004	2.5000e- 004	0.0000	2.5000e- 004	0.0000	0.7436	0.7436	2.0000e- 005	2.0000e- 005	0.7503
Total	3.0000e- 004	2.4000e- 004	2.9000e- 003	1.0000e- 005	9.4000e- 004	1.0000e- 005	9.5000e- 004	2.5000e- 004	0.0000	2.5000e- 004	0.0000	0.7436	0.7436	2.0000e- 005	2.0000e- 005	0.7503

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e- 003	7.0400e- 003	9.0700e- 003	1.0000e- 005		4.1000e- 004	4.1000e- 004		4.1000e- 004	4.1000e- 004	0.0000	1.2766	1.2766	8.0000e- 005	0.0000	1.2787
Total	0.0162	7.0400e- 003	9.0700e- 003	1.0000e- 005		4.1000e- 004	4.1000e- 004		4.1000e- 004	4.1000e- 004	0.0000	1.2766	1.2766	8.0000e- 005	0.0000	1.2787

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e- 004	1.4000e- 004	1.7400e- 003	0.0000	5.6000e- 004	0.0000	5.7000e- 004	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.4462	0.4462	1.0000e- 005	1.0000e- 005	0.4502
Total	1.8000e- 004	1.4000e- 004	1.7400e- 003	0.0000	5.6000e- 004	0.0000	5.7000e- 004	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.4462	0.4462	1.0000e- 005	1.0000e- 005	0.4502

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Archit. Coating	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
On reduce	1.0200e- 003	7.0400e- 003	9.0700e- 003	1.0000e- 005		4.1000e- 004	4.1000e- 004	 	4.1000e- 004	4.1000e- 004	0.0000	1.2766	1.2766	8.0000e- 005	0.0000	1.2787
Total	0.0162	7.0400e- 003	9.0700e- 003	1.0000e- 005		4.1000e- 004	4.1000e- 004		4.1000e- 004	4.1000e- 004	0.0000	1.2766	1.2766	8.0000e- 005	0.0000	1.2787

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e- 004	1.4000e- 004	1.7400e- 003	0.0000	5.6000e- 004	0.0000	5.7000e- 004	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.4462	0.4462	1.0000e- 005	1.0000e- 005	0.4502
Total	1.8000e- 004	1.4000e- 004	1.7400e- 003	0.0000	5.6000e- 004	0.0000	5.7000e- 004	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.4462	0.4462	1.0000e- 005	1.0000e- 005	0.4502

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr				MT	/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	МН
Other Asphalt Surfaces	0.537638	0.058030	0.174616	0.137192	0.028458	0.007596	0.011602	0.006026	0.000704	0.000394	0.029425	0.000660	0.007661

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	/yr		
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	/yr		
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity <u>Unmitigated</u>

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	/yr	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	/yr	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Mitigated	8.5600e- 003	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Unmitigated	8.5600e- 003	0.0000	2.0000e- 005	0.0000	1 1	0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							MT	/yr		
Architectural Coating	1.5100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0400e- 003				 	0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e- 005	0.0000	i	0.0000	0.0000	 	0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Total	8.5500e- 003	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							MT	/yr		
Coating	1.5100e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	7.0400e- 003				i I	0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e- 005	0.0000		0.0000	0.0000	 	0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Total	8.5500e- 003	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e	
Category	MT/yr				
ga.ea	0.0000	0.0000	0.0000	0.0000	
Unmitigated	0.0000	0.0000	0.0000	0.0000	

7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e		
	MT/yr					
Willigatou	0.0000	0.0000	0.0000	0.0000		
Orimingated	0.0000	0.0000	0.0000	0.0000		

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design

Ventura County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	2.50	Acre	2.50	108,900.00	0

1.2 Other Project Characteristics

Rural Wind Speed (m/s) 2.6 Precipitation Freq (Days)

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8 **Climate Zone**

Urbanization

Operational Year

2022

Utility Company Southern California Edison

CO2 Intensity (lb/MWhr)

390.98

CH4 Intensity (lb/MWhr)

0.033

N2O Intensity (lb/MWhr)

0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction is anticipated to take 8 months. November 2021-August 2022

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Fleet Mix -

Area Coating -

Table Name	Column Name	Default Value	New Value	
tblConstructionPhase	NumDays	220.00	133.00	
tblConstructionPhase	NumDays	3.00	30.00	

Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseEndDate	4/4/2022	8/11/2022
tblConstructionPhase	PhaseEndDate	3/7/2022	7/14/2022
tblConstructionPhase	PhaseEndDate	5/3/2021	1/10/2022
tblConstructionPhase	PhaseEndDate	3/21/2022	7/28/2022
tblConstructionPhase	PhaseEndDate	4/23/2021	12/31/2021
tblConstructionPhase	PhaseStartDate	3/22/2022	7/29/2022
tblConstructionPhase	PhaseStartDate	5/4/2021	1/11/2022
tblConstructionPhase	PhaseStartDate	4/24/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	3/8/2022	7/15/2022
tblConstructionPhase	PhaseStartDate	4/21/2021	11/21/2021
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/d	day		
2021	1.5807	18.3118	11.1044	0.0254	1.6929	0.7025	2.3954	0.1989	0.6463	0.8451	0.0000	2,466.159 2	2,466.159 2	0.7700	2.4300e- 003	2,486.134 2
2022	3.2690	17.0118	16.4841	0.0333	7.2103	0.7430	7.9533	3.4586	0.6846	4.1422	0.0000	3,155.382 3	3,155.382 3	0.6483	0.0645	3,186.312 0
Maximum	3.2690	18.3118	16.4841	0.0333	7.2103	0.7430	7.9533	3.4586	0.6846	4.1422	0.0000	3,155.382 3	3,155.382 3	0.7700	0.0645	3,186.312 0

Mitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/c	lay		
2021	1.5807	18.3118	11.1044	0.0254	0.8180	0.7025	1.5205	0.1044	0.6463	0.7507	0.0000	2,466.159 2	2,466.159 2	0.7700	2.4300e- 003	2,486.134 2
2022	3.2690	17.0118	16.4841	0.0333	3.3149	0.7430	4.0579	1.5750	0.6846	2.2586	0.0000	3,155.382 3	3,155.382 3	0.6483	0.0645	3,186.312 0
Maximum	3.2690	18.3118	16.4841	0.0333	3.3149	0.7430	4.0579	1.5750	0.6846	2.2586	0.0000	3,155.382 3	3,155.382 3	0.7700	0.0645	3,186.312 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.58	0.00	46.10	54.08	0.00	39.66	0.00	0.00	0.00	0.00	0.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day				lb/c	day					
Area	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0469	0.0000	2.6000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000	0.0000	5.8000e- 004

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Area	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0469	0.0000	2.6000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000	0.0000	5.8000e- 004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/21/2021	12/31/2021	5	30	
2	Grading	Grading	1/1/2022	1/10/2022	5	6	
3	Building Construction	Building Construction	1/11/2022	7/14/2022	5	133	
4	Paving	Paving	7/15/2022	7/28/2022	5	10	
5	Architectural Coating	Architectural Coating	7/29/2022	8/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 6

Acres of Paving: 2.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 6,534 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	46.00	18.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	1.5908	0.7019	2.2926	0.1718	0.6457	0.8175		2,372.883 2	2,372.883	0.7674		2,392.069 2

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0256	0.3548	9.2000e- 004	0.1022	6.0000e- 004	0.1028	0.0271	5.5000e- 004	0.0277		93.2760	93.2760	2.5800e- 003	2.4300e- 003	94.0650
Total	0.0344	0.0256	0.3548	9.2000e- 004	0.1022	6.0000e- 004	0.1028	0.0271	5.5000e- 004	0.0277		93.2760	93.2760	2.5800e- 003	2.4300e- 003	94.0650

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457	0.0000	2,372.883 2	2,372.883 2	0.7674	 	2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.7158	0.7019	1.4177	0.0773	0.6457	0.7230	0.0000	2,372.883 2	2,372.883	0.7674		2,392.069 2

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0256	0.3548	9.2000e- 004	0.1022	6.0000e- 004	0.1028	0.0271	5.5000e- 004	0.0277		93.2760	93.2760	2.5800e- 003	2.4300e- 003	94.0650
Total	0.0344	0.0256	0.3548	9.2000e- 004	0.1022	6.0000e- 004	0.1028	0.0271	5.5000e- 004	0.0277		93.2760	93.2760	2.5800e- 003	2.4300e- 003	94.0650

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.482 5	1,995.482 5	0.6454	 	2,011.616 9
Total	1.5403	16.9836	9.2202	0.0206	7.0826	0.7423	7.8249	3.4247	0.6829	4.1076		1,995.482 5	1,995.482 5	0.6454		2,011.616 9

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0399	0.0282	0.4065	1.1200e- 003	0.1277	7.1000e- 004	0.1284	0.0339	6.5000e- 004	0.0345		113.4809	113.4809	2.9000e- 003	2.8000e- 003	114.3869
Total	0.0399	0.0282	0.4065	1.1200e- 003	0.1277	7.1000e- 004	0.1284	0.0339	6.5000e- 004	0.0345		113.4809	113.4809	2.9000e- 003	2.8000e- 003	114.3869

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206	 	0.7423	0.7423		0.6829	0.6829	0.0000	1,995.482 5	1,995.482 5	0.6454	 	2,011.616 9
Total	1.5403	16.9836	9.2202	0.0206	3.1872	0.7423	3.9294	1.5411	0.6829	2.2240	0.0000	1,995.482 5	1,995.482 5	0.6454		2,011.616 9

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0399	0.0282	0.4065	1.1200e- 003	0.1277	7.1000e- 004	0.1284	0.0339	6.5000e- 004	0.0345		113.4809	113.4809	2.9000e- 003	2.8000e- 003	114.3869
Total	0.0399	0.0282	0.4065	1.1200e- 003	0.1277	7.1000e- 004	0.1284	0.0339	6.5000e- 004	0.0345		113.4809	113.4809	2.9000e- 003	2.8000e- 003	114.3869

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022	1 1 1	0.6731	0.6731		2,289.281 3	2,289.281 3	0.4417		2,300.323 0
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.281 3	2,289.281 3	0.4417		2,300.323 0

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0282	0.8020	0.2608	3.1800e- 003	0.1102	8.9400e- 003	0.1191	0.0317	8.5600e- 003	0.0403		344.0891	344.0891	0.0137	0.0516	359.8095
Worker	0.1836	0.1299	1.8700	5.1300e- 003	0.5876	3.2400e- 003	0.5908	0.1558	2.9900e- 003	0.1588		522.0120	522.0120	0.0133	0.0129	526.1795
Total	0.2119	0.9318	2.1308	8.3100e- 003	0.6977	0.0122	0.7099	0.1875	0.0116	0.1991		866.1011	866.1011	0.0270	0.0645	885.9890

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.281 3	2,289.281 3	0.4417		2,300.323 0
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.281 3	2,289.281 3	0.4417		2,300.323 0

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0282	0.8020	0.2608	3.1800e- 003	0.1102	8.9400e- 003	0.1191	0.0317	8.5600e- 003	0.0403		344.0891	344.0891	0.0137	0.0516	359.8095
Worker	0.1836	0.1299	1.8700	5.1300e- 003	0.5876	3.2400e- 003	0.5908	0.1558	2.9900e- 003	0.1588		522.0120	522.0120	0.0133	0.0129	526.1795
Total	0.2119	0.9318	2.1308	8.3100e- 003	0.6977	0.0122	0.7099	0.1875	0.0116	0.1991		866.1011	866.1011	0.0270	0.0645	885.9890

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2022 Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.6550]			0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5962	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0599	0.0423	0.6098	1.6700e- 003	0.1916	1.0600e- 003	0.1927	0.0508	9.7000e- 004	0.0518		170.2213	170.2213	4.3400e- 003	4.2000e- 003	171.5803
Total	0.0599	0.0423	0.6098	1.6700e- 003	0.1916	1.0600e- 003	0.1927	0.0508	9.7000e- 004	0.0518		170.2213	170.2213	4.3400e- 003	4.2000e- 003	171.5803

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.6550]			0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5962	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0599	0.0423	0.6098	1.6700e- 003	0.1916	1.0600e- 003	0.1927	0.0508	9.7000e- 004	0.0518		170.2213	170.2213	4.3400e- 003	4.2000e- 003	171.5803
Total	0.0599	0.0423	0.6098	1.6700e- 003	0.1916	1.0600e- 003	0.1927	0.0508	9.7000e- 004	0.0518		170.2213	170.2213	4.3400e- 003	4.2000e- 003	171.5803

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	3.0285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e- 003	 	0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	3.2331	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0359	0.0254	0.3659	1.0000e- 003	0.1150	6.3000e- 004	0.1156	0.0305	5.8000e- 004	0.0311		102.1328	102.1328	2.6100e- 003	2.5200e- 003	102.9482
Total	0.0359	0.0254	0.3659	1.0000e- 003	0.1150	6.3000e- 004	0.1156	0.0305	5.8000e- 004	0.0311		102.1328	102.1328	2.6100e- 003	2.5200e- 003	102.9482

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	3.0285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e- 003	 	0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	3.2331	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0359	0.0254	0.3659	1.0000e- 003	0.1150	6.3000e- 004	0.1156	0.0305	5.8000e- 004	0.0311		102.1328	102.1328	2.6100e- 003	2.5200e- 003	102.9482
Total	0.0359	0.0254	0.3659	1.0000e- 003	0.1150	6.3000e- 004	0.1156	0.0305	5.8000e- 004	0.0311		102.1328	102.1328	2.6100e- 003	2.5200e- 003	102.9482

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	МН
Other Asphalt Surfaces	0.537638	0.058030	0.174616	0.137192	0.028458	0.007596	0.011602	0.006026	0.000704	0.000394	0.029425	0.000660	0.007661

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/e	day							lb/c	lay		
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	lay		
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Mitigated	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000	 	5.8000e- 004
Unmitigated	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000	 	5.8000e- 004

Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	/ Ib/day							lb/day								
0	. 003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0386				 	0.0000	0.0000		0.0000	0.0000		i	0.0000			0.0000
Landscaping	2.0000e- 005	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004
Total	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day lb/day															
7 il Chile Citaran	8.3000e- 003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.0386					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	005	0.0000	2.6000e- 004	0.0000		0.0000	0.0000	 	0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004
Total	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004

7.0 Water Detail

7.1 Mitigation Measures Water

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Camarosa GAC Design - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design

Ventura County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	2.50	Acre	2.50	108,900.00	0

1.2 Other Project Characteristics

Rural Wind Speed (m/s) 2.6

Precipitation Freq (Days) 3

Climate Zone 8

Urbanization

Operational Year

2022

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Utility Company Southern California Edison

CO2 Intensity (lb/MWhr)

390.98

CH4 Intensity (lb/MWhr)

0.033

N2O Intensity (lb/MWhr)

0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction is anticipated to take 8 months. November 2021-August 2022

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Fleet Mix -

Area Coating -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	133.00
tblConstructionPhase	NumDays	3.00	30.00

Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseEndDate	4/4/2022	8/11/2022
tblConstructionPhase	PhaseEndDate	3/7/2022	7/14/2022
tblConstructionPhase	PhaseEndDate	5/3/2021	1/10/2022
tblConstructionPhase	PhaseEndDate	3/21/2022	7/28/2022
tblConstructionPhase	PhaseEndDate	4/23/2021	12/31/2021
tblConstructionPhase	PhaseStartDate	3/22/2022	7/29/2022
tblConstructionPhase	PhaseStartDate	5/4/2021	1/11/2022
tblConstructionPhase	PhaseStartDate	4/24/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	3/8/2022	7/15/2022
tblConstructionPhase	PhaseStartDate	4/21/2021	11/21/2021
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day										lb/day						
2021	1.5844	18.3161	11.0884	0.0254	1.6929	0.7025	2.3954	0.1989	0.6463	0.8451	0.0000	2,462.060 8	2,462.060 8	0.7702	2.7000e- 003	2,482.120 4	
2022	3.2730	17.0167	16.4121	0.0331	7.2103	0.7430	7.9533	3.4586	0.6847	4.1422	0.0000	3,132.690 2	3,132.690 2	0.6484	0.0660	3,164.085 4	
Maximum	3.2730	18.3161	16.4121	0.0331	7.2103	0.7430	7.9533	3.4586	0.6847	4.1422	0.0000	3,132.690 2	3,132.690 2	0.7702	0.0660	3,164.085 4	

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day										lb/day						
2021	1.5844	18.3161	11.0884	0.0254	0.8180	0.7025	1.5205	0.1044	0.6463	0.7507	0.0000	2,462.060 8	2,462.060 8	0.7702	2.7000e- 003	2,482.120 4	
2022	3.2730	17.0167	16.4121	0.0331	3.3149	0.7430	4.0579	1.5750	0.6847	2.2586	0.0000	3,132.690 2	3,132.690 2	0.6484	0.0660	3,164.085 4	
Maximum	3.2730	18.3161	16.4121	0.0331	3.3149	0.7430	4.0579	1.5750	0.6847	2.2586	0.0000	3,132.690 2	3,132.690 2	0.7702	0.0660	3,164.085 4	

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.58	0.00	46.10	54.08	0.00	39.66	0.00	0.00	0.00	0.00	0.00	0.00

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Area	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0469	0.0000	2.6000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000	0.0000	5.8000e- 004

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	day		
Area	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0469	0.0000	2.6000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000	0.0000	5.8000e- 004

Camarosa GAC Design - Ventura County, Winter

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/21/2021	12/31/2021	5	30	
2	Grading	Grading	1/1/2022	1/10/2022	5	6	
3	Building Construction	Building Construction	1/11/2022	7/14/2022	5	133	
4	Paving	Paving	7/15/2022	7/28/2022	5	10	
5	Architectural Coating	Architectural Coating	7/29/2022	8/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 6

Acres of Paving: 2.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 6,534 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	46.00	18.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	1.5908	0.7019	2.2926	0.1718	0.6457	0.8175		2,372.883 2	2,372.883	0.7674		2,392.069 2

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0381	0.0300	0.3388	8.8000e- 004	0.1022	6.0000e- 004	0.1028	0.0271	5.5000e- 004	0.0277		89.1776	89.1776	2.7100e- 003	2.7000e- 003	90.0512
Total	0.0381	0.0300	0.3388	8.8000e- 004	0.1022	6.0000e- 004	0.1028	0.0271	5.5000e- 004	0.0277		89.1776	89.1776	2.7100e- 003	2.7000e- 003	90.0512

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457	0.0000	2,372.883 2	2,372.883 2	0.7674	 	2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.7158	0.7019	1.4177	0.0773	0.6457	0.7230	0.0000	2,372.883 2	2,372.883	0.7674		2,392.069 2

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0381	0.0300	0.3388	8.8000e- 004	0.1022	6.0000e- 004	0.1028	0.0271	5.5000e- 004	0.0277		89.1776	89.1776	2.7100e- 003	2.7000e- 003	90.0512
Total	0.0381	0.0300	0.3388	8.8000e- 004	0.1022	6.0000e- 004	0.1028	0.0271	5.5000e- 004	0.0277		89.1776	89.1776	2.7100e- 003	2.7000e- 003	90.0512

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.482 5	1,995.482 5	0.6454	 	2,011.616 9
Total	1.5403	16.9836	9.2202	0.0206	7.0826	0.7423	7.8249	3.4247	0.6829	4.1076		1,995.482 5	1,995.482 5	0.6454		2,011.616 9

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/o	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0444	0.0331	0.3888	1.0700e- 003	0.1277	7.1000e- 004	0.1284	0.0339	6.5000e- 004	0.0345		108.5090	108.5090	3.0500e- 003	3.1100e- 003	109.5121
Total	0.0444	0.0331	0.3888	1.0700e- 003	0.1277	7.1000e- 004	0.1284	0.0339	6.5000e- 004	0.0345		108.5090	108.5090	3.0500e- 003	3.1100e- 003	109.5121

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206	 	0.7423	0.7423		0.6829	0.6829	0.0000	1,995.482 5	1,995.482 5	0.6454	 	2,011.616 9
Total	1.5403	16.9836	9.2202	0.0206	3.1872	0.7423	3.9294	1.5411	0.6829	2.2240	0.0000	1,995.482 5	1,995.482 5	0.6454		2,011.616 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0444	0.0331	0.3888	1.0700e- 003	0.1277	7.1000e- 004	0.1284	0.0339	6.5000e- 004	0.0345		108.5090	108.5090	3.0500e- 003	3.1100e- 003	109.5121
Total	0.0444	0.0331	0.3888	1.0700e- 003	0.1277	7.1000e- 004	0.1284	0.0339	6.5000e- 004	0.0345		108.5090	108.5090	3.0500e- 003	3.1100e- 003	109.5121

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.281 3	2,289.281 3	0.4417		2,300.323 0
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.281 3	2,289.281 3	0.4417		2,300.323 0

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0277	0.8340	0.2702	3.1800e- 003	0.1102	8.9800e- 003	0.1191	0.0317	8.5900e- 003	0.0403		344.2674	344.2674	0.0136	0.0517	360.0067
Worker	0.2040	0.1521	1.7886	4.9100e- 003	0.5876	3.2400e- 003	0.5908	0.1558	2.9900e- 003	0.1588		499.1415	499.1415	0.0140	0.0143	503.7557
Total	0.2318	0.9861	2.0588	8.0900e- 003	0.6977	0.0122	0.7099	0.1875	0.0116	0.1991		843.4089	843.4089	0.0276	0.0660	863.7624

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.281 3	2,289.281 3	0.4417		2,300.323 0
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.281 3	2,289.281 3	0.4417		2,300.323 0

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0277	0.8340	0.2702	3.1800e- 003	0.1102	8.9800e- 003	0.1191	0.0317	8.5900e- 003	0.0403		344.2674	344.2674	0.0136	0.0517	360.0067
Worker	0.2040	0.1521	1.7886	4.9100e- 003	0.5876	3.2400e- 003	0.5908	0.1558	2.9900e- 003	0.1588		499.1415	499.1415	0.0140	0.0143	503.7557
Total	0.2318	0.9861	2.0588	8.0900e- 003	0.6977	0.0122	0.7099	0.1875	0.0116	0.1991		843.4089	843.4089	0.0276	0.0660	863.7624

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2022 Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.6550		1 1 1			0.0000	0.0000		0.0000	0.0000		i i i	0.0000			0.0000
Total	1.5962	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/o	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0665	0.0496	0.5832	1.6000e- 003	0.1916	1.0600e- 003	0.1927	0.0508	9.7000e- 004	0.0518		162.7635	162.7635	4.5700e- 003	4.6700e- 003	164.2682
Total	0.0665	0.0496	0.5832	1.6000e- 003	0.1916	1.0600e- 003	0.1927	0.0508	9.7000e- 004	0.0518		162.7635	162.7635	4.5700e- 003	4.6700e- 003	164.2682

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2022

<u>Mitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.6550]			0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5962	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0665	0.0496	0.5832	1.6000e- 003	0.1916	1.0600e- 003	0.1927	0.0508	9.7000e- 004	0.0518		162.7635	162.7635	4.5700e- 003	4.6700e- 003	164.2682
Total	0.0665	0.0496	0.5832	1.6000e- 003	0.1916	1.0600e- 003	0.1927	0.0508	9.7000e- 004	0.0518		162.7635	162.7635	4.5700e- 003	4.6700e- 003	164.2682

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	3.0285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183	 	281.9062
Total	3.2331	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0399	0.0298	0.3499	9.6000e- 004	0.1150	6.3000e- 004	0.1156	0.0305	5.8000e- 004	0.0311		97.6581	97.6581	2.7400e- 003	2.8000e- 003	98.5609
Total	0.0399	0.0298	0.3499	9.6000e- 004	0.1150	6.3000e- 004	0.1156	0.0305	5.8000e- 004	0.0311		97.6581	97.6581	2.7400e- 003	2.8000e- 003	98.5609

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	3.0285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183	 	281.9062
Total	3.2331	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0399	0.0298	0.3499	9.6000e- 004	0.1150	6.3000e- 004	0.1156	0.0305	5.8000e- 004	0.0311		97.6581	97.6581	2.7400e- 003	2.8000e- 003	98.5609
Total	0.0399	0.0298	0.3499	9.6000e- 004	0.1150	6.3000e- 004	0.1156	0.0305	5.8000e- 004	0.0311		97.6581	97.6581	2.7400e- 003	2.8000e- 003	98.5609

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Ave	rage Daily Trip Ra	ite	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	МН
Other Asphalt Surfaces	0.537638	0.058030	0.174616	0.137192	0.028458	0.007596	0.011602	0.006026	0.000704	0.000394	0.029425	0.000660	0.007661

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/c	lay		
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	lay		
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Mitigated	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004
Unmitigated	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000	1 1 1	5.8000e- 004

Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e		
SubCategory		lb/day										lb/day						
0	. 003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000		
Consumer Products	0.0386				 	0.0000	0.0000		0.0000	0.0000			0.0000			0.0000		
Landscaping	2.0000e- 005	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004		
Total	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004		

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Coating	8.3000e- 003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
	0.0386		 			0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
· · ·	2.0000e- 005	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004	
Total	0.0469	0.0000	2.6000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e- 004	5.5000e- 004	0.0000		5.8000e- 004	

7.0 Water Detail

7.1 Mitigation Measures Water

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Camarosa GAC Design - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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Camarosa GAC Design - Emergency Generator - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design - Emergency Generator

Ventura County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

UrbanizationRuralWind Speed (m/s)2.6Precipitation Freq (Days)31Climate Zone8Operational Year2022

Utility Company Southern California Edison

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operations only

Grading -

Architectural Coating -

Vehicle Trips -

Construction Off-road Equipment Mitigation -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps - Proposed pumps equate to 600 horsepower. Assumed hours per year is 380, given a 10,000-gallon tank and a 500 kilowatt generator consumes approximately 26.4 gallons per hour at 75% load per https://www.generatorsource.com/Diesel_Fuel_Consumption.aspx

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	600.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	380.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr												MT	/yr		
	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

<u>Mitigated Construction</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
	0.0000	 			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Highest	

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Area	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000	 	0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Clationary	0.1871	0.5229	0.4770	9.0000e- 004		0.0275	0.0275	 	0.0275	0.0275	0.0000	86.8218	86.8218	0.0122		87.1261
Waste			1 1 1			0.0000	0.0000	, ! ! !	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Water			1 1 1			0.0000	0.0000	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1871	0.5229	0.4770	9.0000e- 004	0.0000	0.0275	0.0275	0.0000	0.0275	0.0275	0.0000	86.8218	86.8218	0.0122		87.1261

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Area	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Stationary	0.1871	0.5229	0.4770	9.0000e- 004		0.0275	0.0275		0.0275	0.0275	0.0000	86.8218	86.8218	0.0122		87.1261
Waste						0.0000	0.0000	 - - -	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1871	0.5229	0.4770	9.0000e- 004	0.0000	0.0275	0.0275	0.0000	0.0275	0.0275	0.0000	86.8218	86.8218	0.0122		87.1261

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/21/2021	4/20/2021	5	0	
2	Grading	Grading	4/21/2021	4/20/2021	5	0	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3	Building Construction	Building Construction	4/21/2021	4/20/2021	5	0	
4	Paving	Paving	4/21/2021	4/20/2021	5	0	
	Architectural Coating	Architectural Coating	4/21/2021	4/20/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural

Coating - sqft)

OffRoad Equipment

Disease Masses	Office of Females and Tomas	A 1	Herma Harma	Harris Barris	Local Footon
Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation			0.00	0.00	16.80	6.60			; ; ;	
Grading	:		0.00	0.00	16.80	6.60				
Building Construction	:		0.00	0.00	16.80	6.60				
Paving	:		0.00	0.00	16.80	6.60				
Architectural Coating	f		0.00	0.00	16.80	6.60				

3.1 Mitigation Measures Construction

Water Exposed Area

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Camarosa GAC Design - Emergency Generator - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category		tons/yr											MT	/yr		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021 Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
I agrave back	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.4 Building Construction - 2021 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.5 Paving - 2021
<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.5 Paving - 2021

<u>Mitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Architectural Coating - 2021 Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.6 Architectural Coating - 2021 Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr									MT/yr						
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.6 Architectural Coating - 2021 Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr									MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr					MT	/yr				
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	МН
User Defined Industrial	0.537638	0.058030	0.174616	0.137192	0.028458	0.007596	0.011602	0.006026	0.000704	0.000394	0.029425	0.000660	0.007661

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Electricity Unmitigated	,					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	,	0.0000

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	/yr		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	-/yr		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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5.3 Energy by Land Use - Electricity Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	-/yr	
User Defined Industrial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	⁻ /yr	
User Defined Industrial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Mitigated	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Unmitigated	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000	! !	2.0000e- 005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							MT	/yr		
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
	0.0000					0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000	 	0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Total	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							MT	/yr		
Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
	0.0000		 		 	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.0000	0.0000	1.0000e- 005	0.0000	 	0.0000	0.0000	 	0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Total	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2 CH4 N		N2O	CO2e
Category		MT	-/yr	
milgalou	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000		0.0000

7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		MT	/yr	
User Defined Industrial	0/0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	/yr	
User Defined Industrial	0/0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e				
	MT/yr							
Mitigated	. 0.0000	0.0000	_	0.0000				
Unmitigated	• 0.0000	0.0000		0.0000				

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		MT	/yr	
User Defined Industrial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		МТ	-/yr	
User Defined Industrial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Equipment Type Number		Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	380	600	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type					ton	s/yr							MT	/yr		
Emergency Generator - Diesel (600 - 750 HP)		0.5229	0.4770	9.0000e- 004	_	0.0275	0.0275		0.0275	0.0275	0.0000	86.8218	86.8218	0.0122	_	87.1261
Total	0.1871	0.5229	0.4770	9.0000e- 004		0.0275	0.0275		0.0275	0.0275	0.0000	86.8218	86.8218	0.0122		87.1261

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design - Carbon Deliveries

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

UrbanizationRuralWind Speed (m/s)2.6Precipitation Freq (Days)31Climate Zone8Operational Year2022

Utility Company Southern California Edison

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - User Defined Values used for Operations Deliveries purposes. Commercial = Carbon

Construction Phase - Operations only

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Vehicle Trips - Commercial = Carbon deliveries, calculated at once every 8 months. Trip length is 4.4 miles (roundtrip from Camrosa WD office to site)

Fleet Mix - Assumes deliveries made by heavy duty trucks for worst-case scenario purposes.

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.0260e-003	1.00
tblFleetMix	LDA	0.54	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.5960e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	7.6610e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	7.0400e-004	0.00
tblFleetMix	SBUS	6.6000e-004	0.00
tblFleetMix	UBUS	3.9400e-004	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	4.40
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	0.01

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							МТ	/yr		
	0.0000	 	i i		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
	0.0000	 			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Uimboot	
	Highest	

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Area	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000	1 1 1	0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000	 	0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Mobile	0.0000	2.0000e- 005	1.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.9100e- 003	4.9100e- 003	0.0000		5.1500e- 003
Waste						0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Water			,			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	2.0000e- 005	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.9300e- 003	4.9300e- 003	0.0000		5.1700e- 003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Area	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	 	0.0000
Mobile	0.0000	2.0000e- 005	1.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.9100e- 003	4.9100e- 003	0.0000	 	5.1500e- 003
Waste	n					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	 	0.0000
Water	n					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	2.0000e- 005	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.9300e- 003	4.9300e- 003	0.0000		5.1700e- 003

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/21/2021	4/20/2021	5	0	
2	Grading	Grading	4/21/2021	4/20/2021	5	0	
3	Building Construction	Building Construction	4/21/2021	4/20/2021	5	0	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Paving	Paving	4/21/2021	4/20/2021	5	0	
5	Architectural Coating		4/21/2021	4/20/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation			0.00	0.00	16.80	6.60			; ; ;	
Grading			0.00	0.00	16.80	6.60				
Building Construction			0.00	0.00	16.80	6.60				·
Paving			0.00	0.00	16.80	6.60				·
Architectural Coating			0.00	0.00	16.80	6.60			 	

3.1 Mitigation Measures Construction

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2021

<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2021

<u>Mitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/уг		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Architectural Coating - 2021 Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.6 Architectural Coating - 2021 Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.6 Architectural Coating - 2021 Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Mitigated	0.0000	2.0000e- 005	1.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.9100e- 003	4.9100e- 003	0.0000		5.1500e- 003
Unmitigated	0.0000	2.0000e- 005	1.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.9100e- 003	4.9100e- 003	0.0000		5.1500e- 003

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Commercial	0.00	0.01	0.00	3	3
Total	0.00	0.01	0.00	3	3

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Commercial	14.70	4.40	6.60	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Commercial	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Electricity Unmitigated	,					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	/yr		
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	i i i	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	/yr		
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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5.3 Energy by Land Use - Electricity Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	-/yr	
User Defined Commercial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	-/yr	
User Defined Commercial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Mitigated	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Unmitigated	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							MT	/yr		
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
	0.0000					0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000	 	0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Total	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							MT	/yr		
Architectural Coating	ii i					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
	0.0000		i i		 	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.0000	0.0000	1.0000e- 005	0.0000	 	0.0000	0.0000	 	0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Total	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category		MT	-/yr	
milgalou	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000		0.0000

7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	-/yr	
User Defined Commercial	0/0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	/yr	
User Defined Commercial	0/0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
		MT	/yr	
Mitigated	. 0.0000	0.0000	_	0.0000
Unmitigated	• 0.0000	0.0000		0.0000

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		MT	/yr	
User Defined Commercial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		МТ	-/yr	
User Defined Commercial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
-----------------------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design - Carbon Deliveries

Ventura County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

 Urbanization
 Rural
 Wind Speed (m/s)
 2.6
 Precipitation Freq (Days)
 31

Climate Zone 8 Operational Year 2022

Utility Company Southern California Edison

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - User Defined Values used for Operations Deliveries purposes. Commercial = Carbon

Construction Phase - Operations only

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Vehicle Trips - Commercial = Carbon deliveries, calculated at once every 8 months. Trip length is 4.4 miles (roundtrip from Camrosa WD office to site)

Fleet Mix - Assumes deliveries made by heavy duty trucks for worst-case scenario purposes.

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.0260e-003	1.00
tblFleetMix	LDA	0.54	0.00

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tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.5960e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	7.6610e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	7.0400e-004	0.00
tblFleetMix	SBUS	6.6000e-004	0.00
tblFleetMix	UBUS	3.9400e-004	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	4.40
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	0.01

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/d	day		
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/c	day		
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Area	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Mobile	2.0000e- 005	6.0000e- 004	2.3000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2084	0.2084	1.0000e- 005		0.2186
Total	3.0000e- 005	6.0000e- 004	3.3000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2086	0.2086	1.0000e- 005		0.2188

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Area	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Mobile	2.0000e- 005	6.0000e- 004	2.3000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2084	0.2084	1.0000e- 005		0.2186
Total	3.0000e- 005	6.0000e- 004	3.3000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2086	0.2086	1.0000e- 005		0.2188

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/21/2021	4/20/2021	5	0	
2	Grading	Grading	4/21/2021	4/20/2021	5	0	
3	Building Construction	Building Construction	4/21/2021	4/20/2021	5	0	
4	Paving	Paving	4/21/2021	4/20/2021	5	0	
5	Architectural Coating	Architectural Coating	4/21/2021	4/20/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
------------	------------------------	--------	-------------	-------------	-------------

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation			0.00	0.00	16.80	6.60				
Grading	g		0.00	0.00	16.80	6.60				

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction		0.00	0.00	16.80	6.60		, , , ,	! !	
Paving	, ,	0.00	0.00	16.80	6.60	-	†	†	
Architectural Coating	 r	0.00	0.00	16.80	6.60		T	T	

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.5 Paving - 2021
<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2021

<u>Mitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Architectural Coating - 2021 Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.6 Architectural Coating - 2021 Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2021 Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Mitigated	2.0000e- 005	6.0000e- 004	2.3000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2084	0.2084	1.0000e- 005		0.2186
	2.0000e- 005	6.0000e- 004	2.3000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2084	0.2084	1.0000e- 005		0.2186

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Commercial	0.00	0.01	0.00	3	3
Total	0.00	0.01	0.00	3	3

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Commercial	14.70	4.40	6.60	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Commercial	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	lay		
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	day		
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Ommigatou	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000	 	2.3000e- 004

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					lb/d	day							lb/d	day		
	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
· · · •	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Total	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					lb/d	day							lb/c	lay		
Architectural Coating						0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.00000	0.0000	1.0000e- 004	0.0000		0.0000	0.0000	 	0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Total	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004

7.0 Water Detail

7.1 Mitigation Measures Water

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design - Carbon Deliveries

Ventura County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

 Urbanization
 Rural
 Wind Speed (m/s)
 2.6
 Precipitation Freq (Days)
 31

Climate Zone 8 Operational Year 2022

Utility Company Southern California Edison

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - User Defined Values used for Operations Deliveries purposes. Commercial = Carbon

Construction Phase - Operations only

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Vehicle Trips - Commercial = Carbon deliveries, calculated at once every 8 months. Trip length is 4.4 miles (roundtrip from Camrosa WD office to site)

Fleet Mix - Assumes deliveries made by heavy duty trucks for worst-case scenario purposes.

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.0260e-003	1.00
tblFleetMix	LDA	0.54	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.5960e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	7.6610e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	7.0400e-004	0.00
tblFleetMix	SBUS	6.6000e-004	0.00
tblFleetMix	UBUS	3.9400e-004	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	4.40
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	0.01

2.0 Emissions Summary

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/d	day		
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/d	lay		
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Area	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Mobile	2.0000e- 005	6.3000e- 004	2.4000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2087	0.2087	1.0000e- 005		0.2189
Total	3.0000e- 005	6.3000e- 004	3.4000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2089	0.2089	1.0000e- 005		0.2191

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Area	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Mobile	2.0000e- 005	6.3000e- 004	2.4000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2087	0.2087	1.0000e- 005		0.2189
Total	3.0000e- 005	6.3000e- 004	3.4000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2089	0.2089	1.0000e- 005		0.2191

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/21/2021	4/20/2021	5	0	
2	Grading	Grading	4/21/2021	4/20/2021	5	0	
3	Building Construction	Building Construction	4/21/2021	4/20/2021	5	0	
4	Paving	Paving	4/21/2021	4/20/2021	5	0	
5	Architectural Coating	Architectural Coating	4/21/2021	4/20/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name Offroa	Equipment Type Amount	Usage Hours	Horse Power	Load Factor
-------------------	-----------------------	-------------	-------------	-------------

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation			0.00	0.00	16.80	6.60				
Grading	g		0.00	0.00	16.80	6.60				

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	, ,	0.00	0.00	16.80	6.60	, , , ,	! !	
Paving		0.00	0.00	16.80	6.60	 †	†	
Architectural Coating	r	0.00	0.00	16.80	6.60	 T	Y	

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2021
<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2021

<u>Mitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Architectural Coating - 2021 Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2021 Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2021 Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Mitigated	2.0000e- 005	6.3000e- 004	2.4000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2087	0.2087	1.0000e- 005		0.2189
,	2.0000e- 005	6.3000e- 004	2.4000e- 004	0.0000	5.0000e- 005	0.0000	5.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005		0.2087	0.2087	1.0000e- 005		0.2189

4.2 Trip Summary Information

	Ave	rage Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Commercial	0.00	0.01	0.00	3	3
Total	0.00	0.01	0.00	3	3

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Commercial	14.70	4.40	6.60	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	МН
User Defined Commercial	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	! !	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	day		
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	day		
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Ommigatou	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000	 	2.3000e- 004

Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					lb/d	day							lb/d	day		
	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
· · · •	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Total	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landocaping	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Total	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004

7.0 Water Detail

7.1 Mitigation Measures Water

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Camarosa GAC Design - Carbon Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Camarosa GAC Design - Chemical Deliveries - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design - Chemical Deliveries

Ventura County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

UrbanizationRuralWind Speed (m/s)2.6Precipitation Freq (Days)31Climate Zone8Operational Year2022

Utility Company Southern California Edison

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - User Defined Values used for Operations Deliveries purposes. Industrial = Chemicals.

Construction Phase - Operations only

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Vehicle Trips - Industrial = Chemical deliveries, calculated at once every 1 months. Trip length is 4.4 miles (roundtrip from Camrosa WD office to site)

Fleet Mix - Assumes deliveries made by heavy duty trucks for worst-case scenario purposes.

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.0260e-003	1.00
tblFleetMix	LDA	0.54	0.00

Camarosa GAC Design - Chemical Deliveries - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.5960e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	7.6610e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	7.0400e-004	0.00
tblFleetMix	SBUS	6.6000e-004	0.00
tblFleetMix	UBUS	3.9400e-004	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	4.40
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	0.23

2.0 Emissions Summary

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	ar tons/yr									MT/yr						
2021					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2022	0.0000		 		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000			-	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
2021					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2022	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Camarosa GAC Design - Chemical Deliveries - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Area	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Mobile	1.0000e- 005	2.9000e- 004	1.1000e- 004	0.0000	2.0000e- 005	0.0000	2.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0884	0.0884	1.0000e- 005		0.0928
Waste	11 11 11		 			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Water	11	 	 			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	1.0000e- 005	2.9000e- 004	1.2000e- 004	0.0000	2.0000e- 005	0.0000	2.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0885	0.0885	1.0000e- 005		0.0928

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Area	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Mobile	1.0000e- 005	2.9000e- 004	1.1000e- 004	0.0000	2.0000e- 005	0.0000	2.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0884	0.0884	1.0000e- 005		0.0928
Waste					 	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	 	0.0000
Water	i i					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	1.0000e- 005	2.9000e- 004	1.2000e- 004	0.0000	2.0000e- 005	0.0000	2.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0885	0.0885	1.0000e- 005		0.0928

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/21/2021	4/23/2021	5	0	
2	Grading	Grading	4/24/2021	5/3/2021	5	0	
3	Building Construction	Building Construction	5/4/2021	3/7/2022	5	0	

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4	Paving	Paving	3/8/2022	3/21/2022	5	0	
5	Architectural Coating	Architectural Coating	3/22/2022	4/4/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural

Coating - sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation			0.00	0.00	16.80	6.60			; ; ;	
Grading			0.00	0.00	16.80	6.60				
Building Construction			0.00	0.00	16.80	6.60				·
Paving			0.00	0.00	16.80	6.60				·
Architectural Coating			0.00	0.00	16.80	6.60			 	

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr				MT	/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.2 Site Preparation - 2021 Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr				MT	/yr					
l agiavo Buot	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
l agilivo Buot	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.4 Building Construction - 2021 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.4 Building Construction - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.5 Paving - 2022 Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.6 Architectural Coating - 2022 Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Mitigated	1.0000e- 005	2.9000e- 004	1.1000e- 004	0.0000	2.0000e- 005	0.0000	2.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0884	0.0884	1.0000e- 005		0.0928
	1.0000e- 005	2.9000e- 004	1.1000e- 004	0.0000	2.0000e- 005	0.0000	2.0000e- 005	1.0000e- 005	0.0000	1.0000e- 005	0.0000	0.0884	0.0884	1.0000e- 005		0.0928

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.23	0.00	53	53
Total	0.00	0.23	0.00	53	53

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	14.70	4.40	6.60	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Camarosa GAC Design - Chemical Deliveries - Ventura County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Electricity Unmitigated	,					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	/yr		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	/yr		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	-/yr	
User Defined Industrial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	-/yr	
User Defined Industrial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Mitigated	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Unmitigated	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							MT	/yr		
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
	0.0000					0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000	 	0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Total	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							MT	/yr		
Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
	0.0000		 		 	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.0000	0.0000	1.0000e- 005	0.0000	 	0.0000	0.0000	 	0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005
Total	0.0000	0.0000	1.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e- 005	2.0000e- 005	0.0000		2.0000e- 005

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category		МТ	-/yr	
ga.cu	0.0000	0.0000		0.0000
Cimingatou	0.0000	0.0000		0.0000

7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	/yr	
User Defined Industrial		0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	/yr	
User Defined Industrial	0/0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
		MT	/yr	
Mitigated	. 0.0000	0.0000	_	0.0000
Unmitigated	• 0.0000	0.0000		0.0000

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		MT	/yr	
User Defined Industrial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		MT	-/yr	
User Defined Industrial	0	0.0000	0.0000		0.0000
Total		0.0000	0.0000		0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

				D 11 D 11	
Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
				_	

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design - Chemical Deliveries

Ventura County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

 Urbanization
 Rural
 Wind Speed (m/s)
 2.6
 Precipitation Freq (Days)
 31

Climate Zone 8 Operational Year 2022

Utility Company Southern California Edison

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - User Defined Values used for Operations Deliveries purposes. Industrial = Chemicals.

Construction Phase - Operations only

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Vehicle Trips - Industrial = Chemical deliveries, calculated at once every 1 months. Trip length is 4.4 miles (roundtrip from Camrosa WD office to site)

Fleet Mix - Assumes deliveries made by heavy duty trucks for worst-case scenario purposes.

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.0260e-003	1.00
tblFleetMix	LDA	0.54	0.00

Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.5960e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	7.6610e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	7.0400e-004	0.00
tblFleetMix	SBUS	6.6000e-004	0.00
tblFleetMix	UBUS	3.9400e-004	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	4.40
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	0.23

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/c	lay		
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/c	lay		
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Area	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Lilorgy	0.0000	0.0000	0.0000	0.0000	 	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
1	3.6000e- 004	0.0108	4.1600e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7513	3.7513	2.2000e- 004		3.9345
Total	3.7000e- 004	0.0108	4.2600e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7515	3.7515	2.2000e- 004		3.9348

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	day		
Area	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Mobile	3.6000e- 004	0.0108	4.1600e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7513	3.7513	2.2000e- 004		3.9345
Total	3.7000e- 004	0.0108	4.2600e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7515	3.7515	2.2000e- 004		3.9348

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/21/2021	4/23/2021	5	0	
2	Grading	Grading	4/24/2021	5/3/2021	5	0	
3	Building Construction	Building Construction	5/4/2021	3/7/2022	5	0	
4	Paving	Paving	3/8/2022	3/21/2022	5	0	
5	Architectural Coating	Architectural Coating	3/22/2022	4/4/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
--	------------	------------------------	--------	-------------	-------------	-------------

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation			0.00	0.00	16.80	6.60				
Grading	g		0.00	0.00	16.80	6.60				

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction		0.00	0.00	16.80	6.60		, , , ,	! !	
Paving	, ,	0.00	0.00	16.80	6.60	-	†	†	
Architectural Coating	 r	0.00	0.00	16.80	6.60		T	T	

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
r agravo Baot	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/d	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2022 Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/o	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/	day							lb/d	day		
Mitigated	3.6000e- 004	0.0108	4.1600e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7513	3.7513	2.2000e- 004		3.9345
	3.6000e- 004	0.0108	4.1600e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7513	3.7513	2.2000e- 004		3.9345

4.2 Trip Summary Information

	Avei	rage Daily Trip Ra	ite	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.23	0.00	53	53
Total	0.00	0.23	0.00	53	53

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	14.70	4.40	6.60	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	lay		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	day		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	 	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
- Crimingatea	1.0000e- 005	0.0000	1.0000e- 004	0.0000	1 1	0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000	1 1 1	2.3000e- 004

Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory		lb/day											lb/d	day		
	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
, , , ,	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Total	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					lb/d	day				lb/day						
Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Products	0.0000		1 1 1			0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landocaping	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Total	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004

7.0 Water Detail

7.1 Mitigation Measures Water

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Camarosa GAC Design - Chemical Deliveries

Ventura County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

UrbanizationRuralWind Speed (m/s)2.6Precipitation Freq (Days)31

Climate Zone 8 Operational Year 2022

Utility Company Southern California Edison

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N20 Intensity
 0.004

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - User Defined Values used for Operations Deliveries purposes. Industrial = Chemicals.

Construction Phase - Operations only

Construction Off-road Equipment Mitigation -

Grading -

Architectural Coating -

Vehicle Trips - Industrial = Chemical deliveries, calculated at once every 1 months. Trip length is 4.4 miles (roundtrip from Camrosa WD office to site)

Fleet Mix - Assumes deliveries made by heavy duty trucks for worst-case scenario purposes.

Table Name	Column Name	Default Value	New Value
tblFleetMix	HHD	6.0260e-003	1.00
tblFleetMix	LDA	0.54	0.00

Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.5960e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	7.6610e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	7.0400e-004	0.00
tblFleetMix	SBUS	6.6000e-004	0.00
tblFleetMix	UBUS	3.9400e-004	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TL	6.60	4.40
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	0.23

2.0 Emissions Summary

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/c	lay		
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/c	lay		
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Area	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Mobile	3.3000e- 004	0.0113	4.3100e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7568	3.7568	2.2000e- 004		3.9403
Total	3.4000e- 004	0.0113	4.4100e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7570	3.7570	2.2000e- 004		3.9405

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Area	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Mobile	3.3000e- 004	0.0113	4.3100e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7568	3.7568	2.2000e- 004		3.9403
Total	3.4000e- 004	0.0113	4.4100e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7570	3.7570	2.2000e- 004		3.9405

Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/21/2021	4/23/2021	5	0	
2	Grading	Grading	4/24/2021	5/3/2021	5	0	
3	Building Construction	Building Construction	5/4/2021	3/7/2022	5	0	
4	Paving	Paving	3/8/2022	3/21/2022	5	0	
5	Architectural Coating	Architectural Coating	3/22/2022	4/4/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
--	------------	------------------------	--------	-------------	-------------	-------------

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation			0.00	0.00	16.80	6.60				
Grading	g		0.00	0.00	16.80	6.60				

Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction		0.00	0.00	16.80	6.60	, , , ,	! !	
Paving		0.00	0.00	16.80	6.60	 †	†	
Architectural Coating	r	0.00	0.00	16.80	6.60	 T	Y	

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/e	day							lb/c	lay		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2022 Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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3.6 Architectural Coating - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2022 Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Mitigated	3.3000e- 004	0.0113	4.3100e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7568	3.7568	2.2000e- 004		3.9403
	3.3000e- 004	0.0113	4.3100e- 003	3.0000e- 005	8.9000e- 004	7.0000e- 005	9.5000e- 004	2.4000e- 004	6.0000e- 005	3.1000e- 004		3.7568	3.7568	2.2000e- 004		3.9403

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.23	0.00	53	53
Total	0.00	0.23	0.00	53	53

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	14.70	4.40	6.60	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	day		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	day		
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	 	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
ľ	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
• • • • • • • • • • • • • • • • • • •	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000	 	2.3000e- 004

Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					lb/d	day							lb/d	day		
Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
	0.0000					0.0000	0.0000		0.0000	0.0000		 	0.0000			0.0000
Landocaping	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Total	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					lb/d	day							lb/d	lay		
Coating	ı					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e- 005	0.0000	1.0000e- 004	0.0000	 	0.0000	0.0000	 	0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004
Total	1.0000e- 005	0.0000	1.0000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e- 004	2.2000e- 004	0.0000		2.3000e- 004

7.0 Water Detail

7.1 Mitigation Measures Water

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Camarosa GAC Design - Chemical Deliveries - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	2.50	Acre	2.50	108,900.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edisc	on			
CO2 Intensity	702.44	CH4 Intensity	0.029	N2O Intensity	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction is anticipated to take 8 months. November 2021-August 2022

Construction Off-road Equipment Mitigation -

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	133.00
tblConstructionPhase	NumDays	3.00	30.00
tblConstructionPhase	PhaseEndDate	4/4/2022	8/11/2022
tblConstructionPhase	PhaseEndDate	3/7/2022	7/14/2022
tblConstructionPhase	PhaseEndDate	5/3/2021	1/10/2022
tblConstructionPhase	PhaseEndDate	3/21/2022	7/28/2022
tblConstructionPhase	PhaseEndDate	4/23/2021	12/31/2021
tblConstructionPhase	PhaseStartDate	3/22/2022	7/29/2022
tblConstructionPhase	PhaseStartDate	5/4/2021	1/11/2022
tblConstructionPhase	PhaseStartDate	4/24/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	3/8/2022	7/15/2022
tblConstructionPhase	PhaseStartDate	4/21/2021	11/21/2021
tblGrading	AcresOfGrading	45.00	4.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

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2.1 Overall Construction <u>Unmitigated Construction</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
2021	0.0238	0.2747	0.1655	3.8000e- 004	3.8900e- 003	0.0105	0.0144	6.6000e- 004	9.7000e- 003	0.0104	0.0000	33.5273	33.5273	0.0105	0.0000	33.7892
2022	0.1926	1.1912	1.1844	2.4600e- 003	0.0671	0.0523	0.1194	0.0229	0.0500	0.0728	0.0000	211.5159	211.5159	0.0338	0.0000	212.3616
Maximum	0.1926	1.1912	1.1844	2.4600e- 003	0.0671	0.0523	0.1194	0.0229	0.0500	0.0728	0.0000	211.5159	211.5159	0.0338	0.0000	212.3616

Mitigated Construction

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	tons/yr											MT/yr					
2021	0.0238	0.2747	0.1655	3.8000e- 004	2.5800e- 003	0.0105	0.0131	5.2000e- 004	9.7000e- 003	0.0102	0.0000	33.5273	33.5273	0.0105	0.0000	33.7891	
	0.1926	1.1912	1.1844	2.4600e- 003	0.0563	0.0523	0.1086	0.0173	0.0500	0.0673	0.0000	211.5157	211.5157	0.0338	0.0000	212.3614	
Maximum	0.1926	1.1912	1.1844	2.4600e- 003	0.0563	0.0523	0.1086	0.0173	0.0500	0.0673	0.0000	211.5157	211.5157	0.0338	0.0000	212.3614	
	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e	
Percent Reduction	0.00	0.00	0.00	0.00	17.07	0.00	9.06	24.22	0.00	6.85	0.00	0.00	0.00	0.00	0.00	0.00	

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
3	10-21-2021	1-20-2022	0.4238	0.4238
4	1-21-2022	4-20-2022	0.5930	0.5930
5	4-21-2022	7-20-2022	0.5824	0.5824
6	7-21-2022	9-30-2022	0.0778	0.0778
		Highest	0.5930	0.5930

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr		MT/yr								
Area	0.0108	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste			1 1			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water			1 1 1			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0108	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton		MT/yr									
Area	0.0108	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste			1 1			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water			i i			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0108	0.0000	2.0000e- 005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/21/2021	12/31/2021	5	30	
2	Grading	Grading	1/1/2022	1/10/2022	5	6	
3	Building Construction	Building Construction	1/11/2022	7/14/2022	5	133	
4	Paving	Paving	7/15/2022	7/28/2022	5	10	
5	Architectural Coating	Architectural Coating	7/29/2022	8/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 2.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 6,534 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	46.00	18.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					2.3900e- 003	0.0000	2.3900e- 003	2.6000e- 004	0.0000	2.6000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.2743	0.1612	3.7000e- 004		0.0105	0.0105	 	9.6900e- 003	9.6900e- 003	0.0000	32.2897	32.2897	0.0104	0.0000	32.5507
Total	0.0232	0.2743	0.1612	3.7000e- 004	2.3900e- 003	0.0105	0.0129	2.6000e- 004	9.6900e- 003	9.9500e- 003	0.0000	32.2897	32.2897	0.0104	0.0000	32.5507

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3.2 Site Preparation - 2021

<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e- 004	4.0000e- 004	4.2900e- 003	1.0000e- 005	1.5000e- 003	1.0000e- 005	1.5100e- 003	4.0000e- 004	1.0000e- 005	4.1000e- 004	0.0000	1.2377	1.2377	3.0000e- 005	0.0000	1.2384
Total	5.8000e- 004	4.0000e- 004	4.2900e- 003	1.0000e- 005	1.5000e- 003	1.0000e- 005	1.5100e- 003	4.0000e- 004	1.0000e- 005	4.1000e- 004	0.0000	1.2377	1.2377	3.0000e- 005	0.0000	1.2384

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust		 			1.0700e- 003	0.0000	1.0700e- 003	1.2000e- 004	0.0000	1.2000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0232	0.2743	0.1612	3.7000e- 004		0.0105	0.0105		9.6900e- 003	9.6900e- 003	0.0000	32.2896	32.2896	0.0104	0.0000	32.5507
Total	0.0232	0.2743	0.1612	3.7000e- 004	1.0700e- 003	0.0105	0.0116	1.2000e- 004	9.6900e- 003	9.8100e- 003	0.0000	32.2896	32.2896	0.0104	0.0000	32.5507

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e- 004	4.0000e- 004	4.2900e- 003	1.0000e- 005	1.5000e- 003	1.0000e- 005	1.5100e- 003	4.0000e- 004	1.0000e- 005	4.1000e- 004	0.0000	1.2377	1.2377	3.0000e- 005	0.0000	1.2384
Total	5.8000e- 004	4.0000e- 004	4.2900e- 003	1.0000e- 005	1.5000e- 003	1.0000e- 005	1.5100e- 003	4.0000e- 004	1.0000e- 005	4.1000e- 004	0.0000	1.2377	1.2377	3.0000e- 005	0.0000	1.2384

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	4.6200e- 003	0.0510	0.0277	6.0000e- 005		2.2300e- 003	2.2300e- 003		2.0500e- 003	2.0500e- 003	0.0000	5.4308	5.4308	1.7600e- 003	0.0000	5.4747
Total	4.6200e- 003	0.0510	0.0277	6.0000e- 005	0.0197	2.2300e- 003	0.0219	0.0101	2.0500e- 003	0.0122	0.0000	5.4308	5.4308	1.7600e- 003	0.0000	5.4747

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3.3 Grading - 2022

<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/уг		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e- 004	9.0000e- 005	9.9000e- 004	0.0000	3.8000e- 004	0.0000	3.8000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2980	0.2980	1.0000e- 005	0.0000	0.2982
Total	1.4000e- 004	9.0000e- 005	9.9000e- 004	0.0000	3.8000e- 004	0.0000	3.8000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2980	0.2980	1.0000e- 005	0.0000	0.2982

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	⁻ /yr		
Fugitive Dust					8.8500e- 003	0.0000	8.8500e- 003	4.5500e- 003	0.0000	4.5500e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	4.6200e- 003	0.0510	0.0277	6.0000e- 005	 	2.2300e- 003	2.2300e- 003		2.0500e- 003	2.0500e- 003	0.0000	5.4308	5.4308	1.7600e- 003	0.0000	5.4747
Total	4.6200e- 003	0.0510	0.0277	6.0000e- 005	8.8500e- 003	2.2300e- 003	0.0111	4.5500e- 003	2.0500e- 003	6.6000e- 003	0.0000	5.4308	5.4308	1.7600e- 003	0.0000	5.4747

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3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e- 004	9.0000e- 005	9.9000e- 004	0.0000	3.8000e- 004	0.0000	3.8000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2980	0.2980	1.0000e- 005	0.0000	0.2982
Total	1.4000e- 004	9.0000e- 005	9.9000e- 004	0.0000	3.8000e- 004	0.0000	3.8000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2980	0.2980	1.0000e- 005	0.0000	0.2982

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	0.1234	0.9712	0.9545	1.6600e- 003		0.0467	0.0467		0.0448	0.0448	0.0000	138.1073	138.1073	0.0266	0.0000	138.7734
Total	0.1234	0.9712	0.9545	1.6600e- 003		0.0467	0.0467		0.0448	0.0448	0.0000	138.1073	138.1073	0.0266	0.0000	138.7734

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3.4 Building Construction - 2022 Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0500e- 003	0.1058	0.0285	2.8000e- 004	7.2100e- 003	2.6000e- 004	7.4700e- 003	2.0800e- 003	2.5000e- 004	2.3300e- 003	0.0000	27.0661	27.0661	2.1500e- 003	0.0000	27.1199
Worker	0.0140	9.1600e- 003	0.1012	3.4000e- 004	0.0384	2.5000e- 004	0.0386	0.0102	2.3000e- 004	0.0104	0.0000	30.3899	30.3899	7.0000e- 004	0.0000	30.4073
Total	0.0171	0.1149	0.1297	6.2000e- 004	0.0456	5.1000e- 004	0.0461	0.0123	4.8000e- 004	0.0128	0.0000	57.4560	57.4560	2.8500e- 003	0.0000	57.5272

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	0.1234	0.9712	0.9545	1.6600e- 003		0.0467	0.0467		0.0448	0.0448	0.0000	138.1071	138.1071	0.0266	0.0000	138.7732
Total	0.1234	0.9712	0.9545	1.6600e- 003		0.0467	0.0467		0.0448	0.0448	0.0000	138.1071	138.1071	0.0266	0.0000	138.7732

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3.4 Building Construction - 2022 Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0500e- 003	0.1058	0.0285	2.8000e- 004	7.2100e- 003	2.6000e- 004	7.4700e- 003	2.0800e- 003	2.5000e- 004	2.3300e- 003	0.0000	27.0661	27.0661	2.1500e- 003	0.0000	27.1199
Worker	0.0140	9.1600e- 003	0.1012	3.4000e- 004	0.0384	2.5000e- 004	0.0386	0.0102	2.3000e- 004	0.0104	0.0000	30.3899	30.3899	7.0000e- 004	0.0000	30.4073
Total	0.0171	0.1149	0.1297	6.2000e- 004	0.0456	5.1000e- 004	0.0461	0.0123	4.8000e- 004	0.0128	0.0000	57.4560	57.4560	2.8500e- 003	0.0000	57.5272

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
	4.7100e- 003	0.0467	0.0585	9.0000e- 005		2.4400e- 003	2.4400e- 003		2.2500e- 003	2.2500e- 003	0.0000	7.7550	7.7550	2.4600e- 003	0.0000	7.8165
Paving	3.2800e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.9900e- 003	0.0467	0.0585	9.0000e- 005		2.4400e- 003	2.4400e- 003		2.2500e- 003	2.2500e- 003	0.0000	7.7550	7.7550	2.4600e- 003	0.0000	7.8165

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3.5 Paving - 2022

<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e- 004	2.2000e- 004	2.4800e- 003	1.0000e- 005	9.4000e- 004	1.0000e- 005	9.5000e- 004	2.5000e- 004	1.0000e- 005	2.6000e- 004	0.0000	0.7451	0.7451	2.0000e- 005	0.0000	0.7455
Total	3.4000e- 004	2.2000e- 004	2.4800e- 003	1.0000e- 005	9.4000e- 004	1.0000e- 005	9.5000e- 004	2.5000e- 004	1.0000e- 005	2.6000e- 004	0.0000	0.7451	0.7451	2.0000e- 005	0.0000	0.7455

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	4.7100e- 003	0.0467	0.0585	9.0000e- 005		2.4400e- 003	2.4400e- 003		2.2500e- 003	2.2500e- 003	0.0000	7.7550	7.7550	2.4600e- 003	0.0000	7.8165
Paving	3.2800e- 003					0.0000	0.0000	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.9900e- 003	0.0467	0.0585	9.0000e- 005		2.4400e- 003	2.4400e- 003		2.2500e- 003	2.2500e- 003	0.0000	7.7550	7.7550	2.4600e- 003	0.0000	7.8165

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3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/уг		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e- 004	2.2000e- 004	2.4800e- 003	1.0000e- 005	9.4000e- 004	1.0000e- 005	9.5000e- 004	2.5000e- 004	1.0000e- 005	2.6000e- 004	0.0000	0.7451	0.7451	2.0000e- 005	0.0000	0.7455
Total	3.4000e- 004	2.2000e- 004	2.4800e- 003	1.0000e- 005	9.4000e- 004	1.0000e- 005	9.5000e- 004	2.5000e- 004	1.0000e- 005	2.6000e- 004	0.0000	0.7451	0.7451	2.0000e- 005	0.0000	0.7455

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.0379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e- 003	7.0400e- 003	9.0700e- 003	1.0000e- 005	 	4.1000e- 004	4.1000e- 004		4.1000e- 004	4.1000e- 004	0.0000	1.2766	1.2766	8.0000e- 005	0.0000	1.2787
Total	0.0389	7.0400e- 003	9.0700e- 003	1.0000e- 005		4.1000e- 004	4.1000e- 004		4.1000e- 004	4.1000e- 004	0.0000	1.2766	1.2766	8.0000e- 005	0.0000	1.2787

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3.6 Architectural Coating - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e- 004	1.3000e- 004	1.4900e- 003	0.0000	5.6000e- 004	0.0000	5.7000e- 004	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.4471	0.4471	1.0000e- 005	0.0000	0.4473
Total	2.1000e- 004	1.3000e- 004	1.4900e- 003	0.0000	5.6000e- 004	0.0000	5.7000e- 004	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.4471	0.4471	1.0000e- 005	0.0000	0.4473

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.0379					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e- 003	7.0400e- 003	9.0700e- 003	1.0000e- 005	 	4.1000e- 004	4.1000e- 004	 	4.1000e- 004	4.1000e- 004	0.0000	1.2766	1.2766	8.0000e- 005	0.0000	1.2787
Total	0.0389	7.0400e- 003	9.0700e- 003	1.0000e- 005		4.1000e- 004	4.1000e- 004		4.1000e- 004	4.1000e- 004	0.0000	1.2766	1.2766	8.0000e- 005	0.0000	1.2787

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3.6 Architectural Coating - 2022 Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e- 004	1.3000e- 004	1.4900e- 003	0.0000	5.6000e- 004	0.0000	5.7000e- 004	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.4471	0.4471	1.0000e- 005	0.0000	0.4473
Total	2.1000e- 004	1.3000e- 004	1.4900e- 003	0.0000	5.6000e- 004	0.0000	5.7000e- 004	1.5000e- 004	0.0000	1.5000e- 004	0.0000	0.4471	0.4471	1.0000e- 005	0.0000	0.4473

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Avei	rage Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

		Miles			Trip %		Trip Purpose %			
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by	
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0	

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr									MT/yr						
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr		tons/yr									MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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5.2 Energy by Land Use - NaturalGas Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr		tons/yr								MT/yr						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity <u>Unmitigated</u>

	Electricity Use	Total CO2	CH4	N2O	CO2e					
Land Use	kWh/yr	MT/yr								
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000					
Total		0.0000	0.0000	0.0000	0.0000					

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5.3 Energy by Land Use - Electricity Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MT	-/yr	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Mitigated	0.0108	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Unmitigated	0.0108	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

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6.2 Area by SubCategory <u>Unmitigated</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							МТ	/yr		
04:	3.7900e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	7.0400e- 003		1 1 1			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Total	0.0108	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory					ton	s/yr							МТ	-/yr		
Architectural Coating	3.7900e- 003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0400e- 003		1 1			0.0000	0.0000	1 1 1 1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	2.0000e- 005	0.0000		0.0000	0.0000	Y	0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005
Total	0.0108	0.0000	2.0000e- 005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.0000e- 005	4.0000e- 005	0.0000	0.0000	5.0000e- 005

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category		MT	√yr	
ga.ea	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		MT	-/yr	
Other Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CalEEMod Version: CalEEMod.2016.3.2 Page 25 of 28 Date: 4/21/2021 3:24 PM

Camarosa GAC Design - Ventura County, Annual

7.2 Water by Land Use Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	-/yr	
Other Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
		МТ	√yr	
willigated	0.0000	0.0000	0.0000	0.0000
Jgatea	0.0000	0.0000	0.0000	0.0000

Camarosa GAC Design - Ventura County, Annual

8.2 Waste by Land Use <u>Unmitigated</u>

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		МТ	-/yr	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		MT	-/yr	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Camarosa GAC Design - Ventura County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B

Biological Evaluation

Biological Evaluation

CAMROSA WATER DISTRICT

CONEJO GRANULAR ACTIVATED CHARCOAL WATER TREATMENT PROJECT

MARCH 19, 2021



Conejo GAC Water Treatment Project

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Camrosa Water District

Conejo GAC Water Treatment Project

Biological Evaluation

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Introduction

The following technical report, prepared by Provost & Pritchard Consulting Group, in compliance with the California Environmental Quality Act (CEQA), includes a description of the biological resources present or with potential to occur within the Conejo Granular Activated Charcoal Water Treatment Project (Project) and surrounding areas, and evaluates potential Project-related impacts to those resources.

Project Description

The Project proposes to construct a centralized Granular Activated Carbon (GAC) drinking water treatment plant to remove the TCP from the water produced by the existing four potable water supply wells, which are all located adjacent to the proposed treatment site. The flow from the four wells supplying the treatment plant is combined before being sent to an existing storage tank and blending station for the reduction of nitrate levels. The new facility will intercept the flow from the wells, direct it through the GAC treatment process and return it to a new larger water storage tank. The facility would require six 12-foot-diameter steel pressure vessels for the GAC media to treat the initial maximum flow rate of 2,350 gpm; however, the facility would be designed to accommodate an additional four vessels in the future to increase the overall treatment capacity to 3,150 gpm. The existing well pumps would also need to be upgraded due to the additional pressure loss through the GAC system. In addition to the GAC treatment vessels, the facility would include a new treated-water tank, backwash equalization tank, non-potable water pumps, storm water detention basin, chemical feed systems, and other associated appurtenances.

The Project's Area of Potential Effect (APE) includes 2.44 acres located in the community of Camarillo, in Ventura County, California, approximately 4.5 miles northeast of Moorpark and 6.2 miles south of Newberry Park (see Figure 2). The Project is located directly east of Hill Canyon Road and south of Santa Rosa Road. The water treatment facility would be placed next to the existing drinking water facility.

Report Objectives

Construction activities such as that proposed by the Project could potentially damage biological resources or modify habitats that are crucial for sensitive plant and wildlife species. In cases such as these, development may be regulated by State or federal agencies, subject to provisions of CEQA, and/or addressed by local regulatory agencies.

This report addresses issues related to the following:

- 1. The presence of sensitive biological resources onsite, or with the potential to occur onsite.
- 2. The federal, State, and local regulations regarding these resources.
- 3. Mitigation measures that may be required to reduce the magnitude of anticipated impacts and/or comply with permit requirements of state and federal resource agencies.

Therefore, the objectives of this report are:

- 1. Summarize all site-specific information related to existing biological resources.
- 2. Make reasonable inferences about the biological resources that could occur onsite based on habitat suitability and the proximity of the site to a species' known range.

- 3. Summarize all State and federal natural resource protection laws that may be relevant to the APE.
- 4. Identify and discuss Project impacts to biological resources likely to occur onsite within the context of CEQA or State or federal laws.
- 5. Identify and publish a set of avoidance and mitigation measures that would reduce impacts to a less-than-significant level (as identified by CEQA) and are generally consistent with recommendations of the resource agencies for affected biological resources.

Study Methodology

A reconnaissance-level field survey of the APE (see **Figure 3**) and surrounding areas was conducted on March 24, 2021, by Provost & Pritchard's biologist, Mary Beth Bourne. The survey consisted of walking the APE while identifying and noting land uses, biological habitats and communities, and plant and animal species encountered. Furthermore, the APE was assessed for suitable habitats of various wildlife species.

The biologist conducted an analysis of potential Project-related impacts to biological resources based on the resources known to exist or with potential to exist within the APE. Sources of information used in preparation of this analysis included: the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB); the California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Vascular Plants of California; CalFlora's online database of California native plants; the Jepson Herbarium online database (Jepson eFlora); United States Fish and Wildlife Service (USFWS) Environmental Conservation Online System (ECOS); the NatureServe Explorer online database; the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Plants Database; CDFW California Wildlife Habitat Relationships (CWHR) database; the California Herps online database; and various manuals, reports, and references related to plants and animals of the San Joaquin Valley region.

The field investigation did not include a wetland delineation or focused surveys for special status species. The field survey conducted included the appropriate level of detail to assess the significance of potential impacts to sensitive biological resources resulting from the Project. Furthermore, the field survey was sufficient to generally describe those features of the Project that could be subject to the jurisdiction of federal and/or State agencies, such as the United States Army Corps of Engineers (USACE), CDFW, Regional Water Quality Control Board (RWQCB) and State Water Resources Control Board (SWRCB) and used to support the California Environmental Policy Act (CEQA) documents.

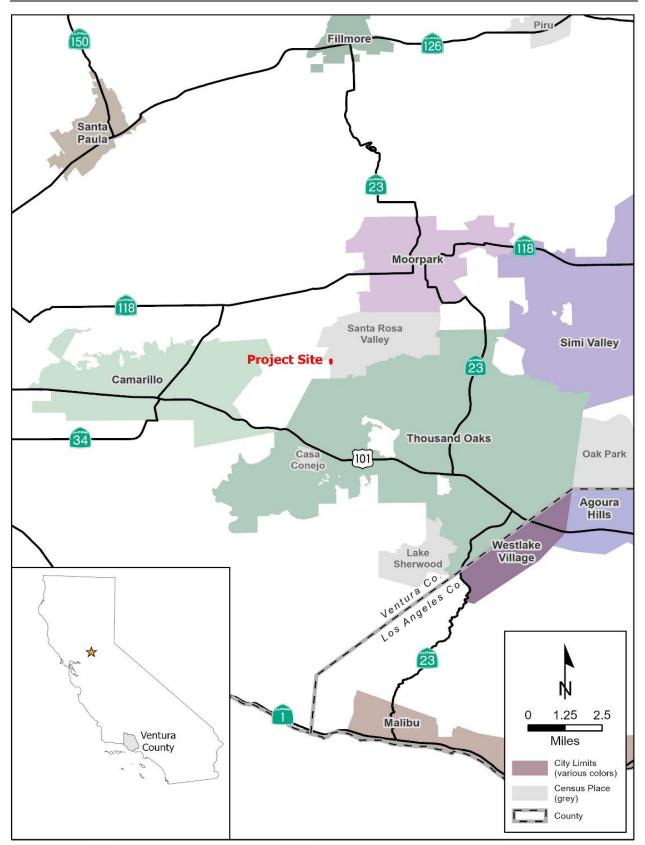


Figure 1. Regional Location

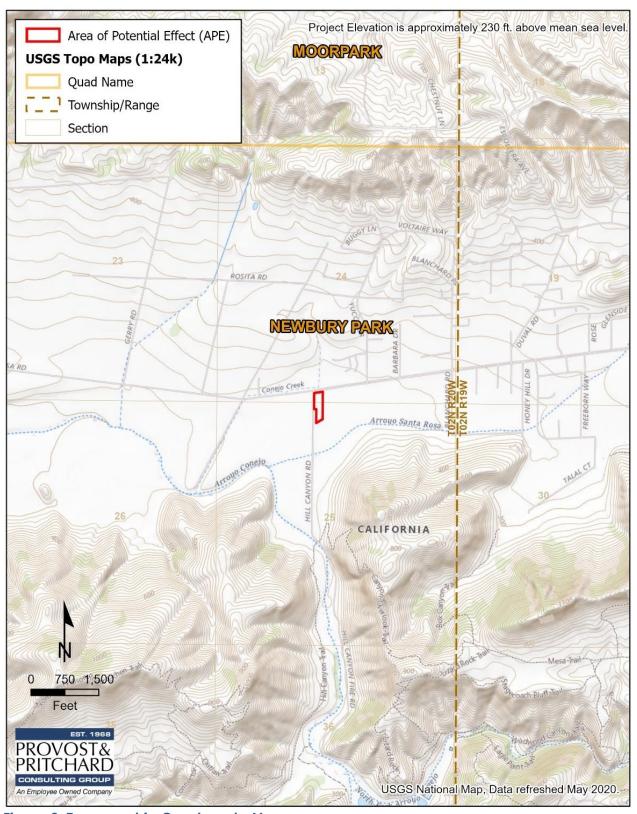


Figure 2. Topographic Quadrangle Map

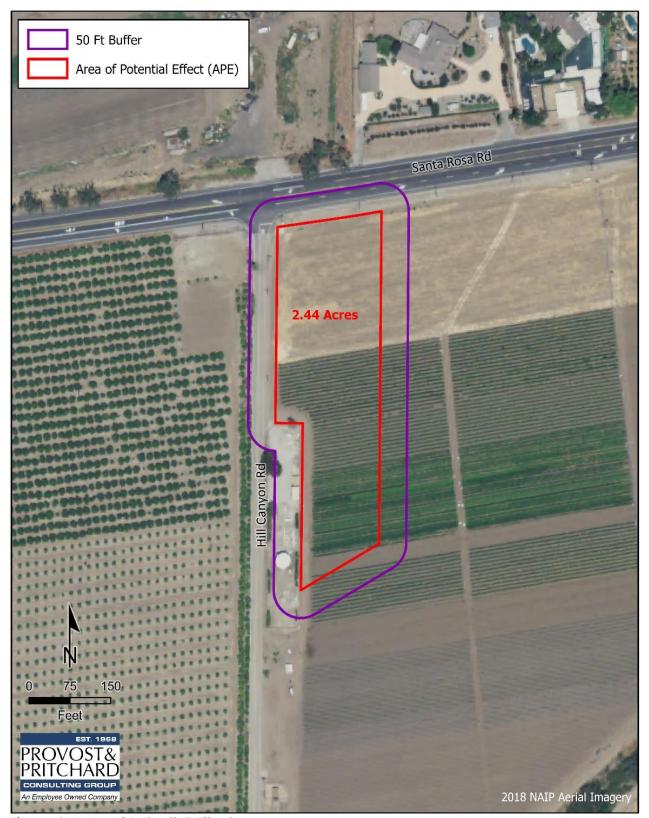


Figure 3. Area of Potential Effect

II. Existing Conditions

Regional Setting

The Project site is located in Santa Rosa Valley within southern Ventura County (see **Figure 1 and Figure 2**). Santa Rosa Valley is located north of Newbury Park, between Thousand Oaks and Camarillo. While the valley largely consists of agricultural lands, high quality wildlife habitat exists to the south within the Conejo Canyons Open Space area, Mount Clef Ridge, and Wildwood Regional Park.

Like most of California, Ventura experiences a Mediterranean climate. Warm, dry summers are followed by cool, moist winters. Summer temperatures range between 70- and 80-degrees Fahrenheit (F) on the coastal plains, but often exceeds 90 degrees F in the upper reaches of the county. Winter minimum temperatures are near 40 degrees F on the coast but in the lower 30s and upper 20s in the northern parts of Ventura County. Drier parts of the county get less than five inches of rain annually, and the higher and wetter parts get more than 60 inches annually.

The entire Project site lies within the Lower Conejo Arroyo sub-watershed; Hydrologic Unit Code (HUC): 180701030105, part of the Calleguas Creek watershed; HUC: 1807010301. The principal drainage in the vicinity is the ephemeral Arroyo Santa Rosa, which is located approximately 700 feet south of the APE and runs west to east through the Santa Rosa Valley. Arroyo Santa Rosa joins Arroyo Conejo west of Hill Canyon Road where discharges from the Hill Canyon Wastewater treatment plant are released. Eventually the waterbody joins Calleguas Creek and drains into the Mugu Lagoon estuary.

Photographs of the Project areas and vicinity are available in **Appendix A** at the end of this document.

Project Site

Ruderal/Agricultural

As illustrated in **Figure 3**, the APE includes approximately 2.44 acres of land west of Hill Canyon Road and south of Santa Rosa Road. The site is surrounded by a large agricultural field, of which it is a part of, and a fenced orchard to the west of Hill Canyon Road. The Arroyo Santa Rosa runs approximately 700 feet south of the APE. The arroyo was dry at the time of the survey and is considered ephemeral. A small riparian corridor with willow (*Salix spp.*) species borders the stream, and a large section of open space, grassland habitat is located south of the corridor. Elliot Mountain, Mountclef Ridge, and Wildwood Regional Park are each located less than a mile south from the APE. A mix of residential neighborhoods and agricultural fields make up the area north of Santa Rosa Road.

The APE was comprised of the existing gravel lined pump site and a grassy, fallow portion of a larger agricultural field. A few rodent burrows were present within the fenced area of the well site, as well as several bird species, including common raven (*Corvus corax*), white-crowned sparrow (*Zonotrichia leucophrys*), Anna's hummingbird (*Calypte anna*), American crow (*Corvus brachyrhynchos*), House finch (*Haemorhous mexicanus*), and lesser goldfinch (*Spinus psaltria*). The songbirds were observed primarily within the large western chokecherry (*Prunus virginiana*) shrubs located within the well site. The field portion of the APE was dominated by weedy plant species, including shepherd's purse (*Capsella bursa-pastoris*), cheeseweed (*Malva parviflora*), and goosegrass (*Eleusine indica*). The soils of the field were friable, but devoid of burrows. The field north of the APE and south of Santa Rosa Road was being used to grow artichokes (*Cynara cardunculus*) at the

time of the survey. Song sparrow (*Melospiza melodia*) was the dominant bird species within the artichoke section of field. The field was fallow and grassy to the south and east of the APE. A white-tailed kite (*Elanus leucurus*) was observed foraging and kiting over this southeastern portion of the field during the survey.

The survey was extended to the riparian corridor along the Arroyo Santa Rosa. A bike path runs parallel to the north bank of the arroyo with a few willows and stands of mule fat (*Baccharis salicifolia*) growing along and within the banks. A Nuttall's woodpecker (*Picoides nuttallii*) was observed drumming on the side a willow in this area. A cooper's hawk (*Accipiter cooperii*) was observed perching in a small oak (*Quercus sp.*) on the north bank of the Arroyo, west of Hill Canyon Road. The area to the south of the arroyo appeared to be high quality, open space, grassland habitat with a few trees. Red-tailed hawks (*Buteo jamaicensis*) were observed foraging in the grassland habitat.

The presence of birds and fossorial rodents are likely to attract other foraging raptors and mammalian predators. Raptors such as American kestrels (*Falco sparverius*) and barn owls (*Tyto alba*), as well as the raptors observed during the survey, likely forage over the agricultural fields and grassland habitat adjacent to the APE. Due to intensive agricultural cultivation practices in the field and Project vicinity, mammalian predators are likely limited to raccoons (*Procyon lotor*), striped skunks (*Mephitis mephitis*), coyotes and red foxes (*Vulpes vulpes*), as these species are usually tolerant of human disturbance.

Ruderal/agricultural areas within the proposed APE have minimal value to wildlife due to the frequent human disturbance and the absence of native vegetation.

Soils

One soil mapping unit representing one soil type was identified within the Project area; Sorrento silty clay loam, 0 to 2 percent slopes, warm man annual air temperature, within the Major Land Resource Area of California (MLRA) 19 map area. None of the minor soil mapping units was identified as hydric. Hydric soils are defined as soils that are saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions such that under sufficiently wet conditions, hydrophytic vegetation can be supported.

The Sorrento soil series consists of very deep, well drained soils that formed in alluvium mostly from sedimentary rocks. These soils have negligible to medium runoff, and moderate to moderately slow permeability. Sorrento soils can be used for growing irrigated fruit, nut, field, forage, and truck crops, and some dry grain. Uncultivated areas are mostly annual grasses and forbs with sycamore along drainageways. The MLRA 19 indicates the APE is within the Southern California Coastal Plain area.

The complete NRCS Web Soil Survey report is available in **Appendix C** at the end of this document.

Natural Communities of Special Concern

Natural communities of special concern are those that are of limited distribution, distinguished by significant biological diversity, or home to special status species. CDFW is responsible for the classification and mapping of all-natural communities in California. Just like the special status plant and animal species, these natural communities of special concern can be found within the CNDDB.

According to CNDDB, there are no recorded observations of natural communities of special concern with potential to occur within the Project area or vicinity. Additionally, no natural communities of special concern were observed during the biological survey.

Designated Critical Habitat of the APE

The USFWS often designates areas of "Critical Habitat" when it lists species as threatened or endangered. Critical Habitat is a specific geographic area that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection. According to CNDDB and IPaC, designated critical habitat is absent from the Project area and vicinity.

Wildlife Movement Corridors

Wildlife movement corridors are routes that animals regularly and predictably follow during seasonal migration, dispersal from native ranges, daily travel within home ranges, and inter-population movements. Movement corridors in California are typically associated with valleys, ridgelines, and rivers and creeks supporting riparian vegetation.

The APE does not contain features that would be likely to function as wildlife movement corridors. Furthermore, the Project is located in a region often disturbed by human activities related to agricultural production which would discourage dispersal and migration. While the Arroyo Santa Rosa and the Arroyo Conejo likely function as wildlife movement corridors, these features do not pass through the APE.

Special Status Plants and Animals

California contains several "rare" plant and animal species. In this context, rare is defined as species known to have low populations or limited distributions. As the human population grows, resulting in urban expansion which encroaches on the already limited suitable habitat, these sensitive species become increasingly more vulnerable to extirpation. State and federal regulations have provided the CDFW and the USFWS with a mechanism for conserving and protecting the diversity of plant and animal species native to California. Numerous native plants and animals have been formally designated as "threatened" or "endangered" under State and federal endangered species legislation. Other formal designations include "candidate" for listing or "species of special concern" by CDFW. The CNPS has its list of native plants considered rare, threatened, or endangered. Collectively these plants and animals are referred to as "special status species."

A thorough search of the CNDDB for published accounts of special status plant and animal species was conducted for *Newbury Park* 7.5-minute quadrangle that contains the Project site in its entirety, and for the eight surrounding quadrangles: *Thousand Oaks, Simi, Moorpark, Santa Paula, Camarillo, Point Mugu, Triunfo Pass,* and *Point Dume.* These species, and their potential to occur within the Project area are listed in **Table 1** and **Table 2** on the following pages. Raw data obtained from CNDDB is available in **Appendix B** at the end of this document. All relevant sources of information, as discussed in the Study Methodology section of this report (above), were used to determine if any special status species are known to be within the Project APEs. **Figure 2** shows the Project's 7.5-minute quadrangle, according to USGS Topographic Maps.

Table 1. List of Special Status Animals with Potential to Occur Onsite and/or in the Vicinity.

Species	Status	Habitat	Occurrence on Project Site
American badger (Taxidea taxus)	CSC	Grasslands, savannas, and mountain meadows near timberline are preferred. Most abundant in drier open spaces of shrub and grassland. Burrows in soil.	Unlikely. Suitable burrows were absent during the biological survey. The disturbed habitats and clay soils onsite are unsuitable for this species. While high quality habitat exists in the mountains surrounding Santa Rosa Valley, frequent human disturbance present within the APE would likely discourage habitation of an elusive mammal, such as an American badger individual.
arroyo chub (Gila orcuttii)	CSC	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave & San Diego river basins. Found in slow water stream sections with mud or sand bottoms.	Absent . Suitable habitat is absent from the Project area.
bank swallow (Riparia riparia)	СТ	These aerial insectivores nest colonially in burrows constructed along vertical banks and bluffs near waterbodies. This disturbance tolerant species is also known to nest in manmade sites, such as quarries, mounds of gravel or dirt, and road cuts.	Absent. All regional recorded observations of this species are listed as "Extirpated" from the area on CNDDB. The APE is outside the current known range of this species.
Belding's savannah sparrow (Passerculus sandwichensis beldingi)	CE	Inhabits coastal salt marshes, from Santa Barbara south through San Diego County. Nests in Salicornia within and around the margins of tidal flats.	Absent. Suitable tidal habitat is absent from the Project area. The only regional recorded observation of this species occurred in coastal marsh habitat approximately 12 miles southwest of the APE.
Bell's sage sparrow (Artemisiospiza belli belli)	CWL	Nests in chaparral dominated by dense stands of chamise. Found in coastal sage scrub in the south of its range. Nests are located on the ground beneath a shrub or in a shrub 6-18 inches above ground.	Unlikely. Suitable nesting habitat is absent from the APE and surrounding lands. At most, an individual could pass through the site as a transient or during migration. The only regional recorded observation of this species occurred approximately 9.5 miles northeast of the APE.

Species	Status	Habitat	Occurrence on Project Site
burrowing owl (Athene cunicularia)	CSC	Resides in open, dry annual or perennial grasslands, deserts, and scrublands with low growing vegetation. Nests underground in existing burrows created by mammals, most often ground squirrels.	Unlikely. The presence of large trees and raptor perches makes this site unsuitable for burrowing owl. Ground squirrels and suitable burrows were scarce, and no owl signs were observed during the field survey. The nearest recorded observation of this species occurred approximately 9 miles west of the APE.
California brown pelican (Pelecanus occidentalis californicus)	CFP	A colonial nester on coastal islands just outside the surf line. Nests on coastal islands of small to moderate size which afford immunity from attack by ground-dwelling predators.	Absent . Suitable coastal habitat is absent from the APE and surrounding lands.
California glossy snake (Arizona elegans occidentalis)	CSC	Inhabits arid scrub, rocky washes, grasslands, and chaparral. Prefers open areas with loose soil for easy burrowing.	Unlikely. The disturbed habitats of the APE and surrounding lands are unsuitable for this species. The only regional recorded observation of this species occurred 25 years ago in a dry stream channel approximately 6.5 miles northeast of the APE. High quality habitat is present south of Arroyo Santa Rosa, so at most this species may pass through the area during dispersal.
California horned lark (Eremophila alpestris actia)	CWL	Frequents open habitats, including short-grass prairie, mountain meadows, open coastal plains, fallow grain fields, and alkali flats. Found primarily in coastal regions, including Sonoma and San Diego Counties.	Possible. Suitable prairie habitat is present directly south of Arroyo Santa Rosa, with alternative foraging habitat available within the fallow field of the APE. Although presence of raptors and the highly disturbed nature of the site may discourage nesting.
California least tern (Sternula antillarum browni)	CFP	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, landfills, or paved areas.	Absent. Suitable coastal habitat is absent from the APE and surrounding lands. The only regional recorded observation of this species occurred along a beach near salt marshes approximately 15 miles southwest of the APE.

Species	Status	Habitat	Occurrence on Project Site
California legless lizard (Anniella sp.)	CSC	Inhabits a variety of habitats which contain moist, loose soils and plant cover. Often can be found under objects such as rocks, boards, driftwood, and logs.	Unlikely. The disturbed habitats of the Project area and surrounding lands are unsuitable for this species. Individuals may pass through the area during dispersal to higher quality habitat south of Arroyo Santa Rosa.
coast horned lizard (Phrynosoma blainvillii)	CSC	Found in grasslands, coniferous forests, woodlands, and chaparral, primarily in open areas with patches of loose, sandy soil and low-lying vegetation in valleys, foothills, and semiarid mountains. Frequently found near ant hills and along dirt roads in lowlands along sandy washes with scattered shrubs.	Unlikely. The disturbed habitats of the APE and surrounding lands are unsuitable for this species. Individuals may pass through the area during dispersal to higher quality habitat south of Arroyo Santa Rosa.
coastal California gnatcatcher (Polioptila californica californica)	FT, CSC	Obligate, permanent resident of coastal sage scrub below 2,500 ft in Southern California. Found in low, coastal sage scrub in arid washes, as well as on mesas and slopes.	Possible. There have been multiple, recent observations of this species within and adjacent to Wildwood Regional Park, approximately 1.5 southeast of the APE. The open space habitats south of the Arroyo Santa Rosa and Arroyo Conejo could function as suitable foraging, breeding, and nesting habitat. While the habitats within and directly adjacent to the APE are marginal for this species, it is in close proximity to high quality habitat.
coastal whiptail (Aspidoscelis tigris stejnegeri)	CSC	Found in deserts and semi- arid areas with sparse vegetation and open areas. Also found in woodland & riparian areas. Moves on various substrates including firm soil, sand, and rocks.	Absent. Habitats required by this species are absent from the APE and surrounding lands. The small riparian corridor adjacent to the Arroyo Santa Rosa would be considered marginal habitat, and disturbance from agriculture would discourage this species from utilizing the area.
Cooper's hawk (Accipiter cooperii)	CWL	Inhabits open, interrupted, and marginal woodlands. Nests mainly in riparian growths of deciduous trees, including canyon bottoms on river floodplains, and live oaks.	Present . This species was observed roosting in a willow west of Hill Canyon Road adjacent to Arroyo Santa Rosa at the time of the survey.

Species	Status	Habitat	Occurrence on Project Site
ferruginous hawk (Buteo regalis)	CWL	Inhabits open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats. Preys on lagomorphs, ground squirrels and mice.	Unlikely. The presence of other raptors suggests that the area could serve as suitable foraging habitat for this species, however the APE is within the southwestern most range of its wintering habitat. The only regional recorded observation of this species occurred adjacent to Mugu Lagoon 30 years ago, approximately 12.5 miles southwest of the APE.
golden eagle (Aquila chrysaetod)	CFP	This species typically nests on cliff ledges or large trees, rarely on the ground. They prefer an expanse of open terrain and are found over tundra, prairie, rangeland, desert, and grasslands.	Unlikely. The highly disturbed habitats of the APE and surrounding lands are largely unsuitable for this species. The only regional observations of this species occurred more than 30 years ago. While the open space habitats south of Arroyo Santa Rosa and Arroyo Conejo could serve as suitable foraging habitat, lack of large trees makes the area marginal.
least Bell's vireo (Vireo bellii pusillus)	FE, CE	This migratory species breeds in southern California. Breeding habitat consists of dense, low, shrubby, riparian vegetation in the vicinity of water or dry river bottoms. By the early 1980s, this species was extirpated from most of its historic range in California, including the Central Valley. This species now occurs exclusively along the coast of southern California (USFWS, 1998).	Possible. An observation of this species was made directly adjacent to the APE in 2008, when a nest was identified in a tree north of Arroyo Santa Rosa. There are 20 regional observations of this species, 16 of which have occurred since 2005. Given the high occurrence of nest site fidelity in this species, there is a possibility that it will use the area for nesting again in the future (Kus 2002).
light-footed Ridgway's rail (Rallus obsoletus levipes)	FE, CE, CFP	Found in salt marshes traversed by tidal sloughs, where cordgrass and pickleweed are the dominant vegetation. Feeds on mollusks and crustaceans.	Absent. Suitable roosting and foraging habitat are absent from the APE and surrounding area. The only regional recorded observation of this species occurred in tidal marsh habitat approximately 14 miles southwest of the APE.

Species	Status	Habitat	Occurrence on Project Site
pallid bat (Antrozous pallidus)	CSC	Found in grasslands, chaparral, and woodlands, where it feeds on groundand vegetation-dwelling arthropods, and occasionally takes insects in flight. Prefers to roost in rock crevices, but may also use tree cavities, caves, bridges, and other man-made structures.	Possible. An observation of this species was recorded in 2004 near an ephemeral pond in grassland habitat approximately 9 miles east of the APE. This species may forage within the APE and other agricultural fields in the immediate area.
quino checkerspot butterfly (Euphydryas editha quino)	FE	Found in sunny openings within chaparral & coastal sage shrublands in parts of Riverside & San Diego counties. Need high densities of food plants <i>Plantago</i> erecta, <i>P. insularis</i> , and Orthocarpus purpurescens.	Absent . Species is considered 'Extirpated' in Los Angeles County by USFWS.
Riverside fairy shrimp (Streptocephalus woottoni)	FE	Found only in vernal pools, ponds, and other ephemeral pool-like bodies of water. During dry periods, cysts of the species lay dormant in the soil and hatch when adequate rainfall fills the ponds and pools.	Absent . Vernal pool habitat is absent from the APE and surrounding lands.
San Diego desert woodrat (Neotoma lepida intermedia)	CSC	Inhabits coastal scrub habitats of Southern California from San Diego County to San Luis Obispo County. Prefers moderate to dense canopies. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	Unlikely. Dense tree canopies are absent from the APE and surrounding lands. The nearest recorded observation of this species occurred 29 years ago approximately 3 miles north of the APE in dense riparian habitat.
Santa Ana sucker (Catostomus santaanae)	FT	Endemic to Los Angeles Basin south coastal streams. Habitat generalist, but prefers sand-rubble-boulder bottoms, cool, clear water, and algae.	Absent . Suitable aquatic habitat is absent from the APE.

Species	Status	Habitat	Occurrence on Project Site
south coast gartersnake (Thamnophis sirtalis pop. 1)	CSC	Occurs in Southern California coastal plains from Ventura County to San Diego County, and from sea level to about 850 m. Prefers marsh and upland habitats near permanent water with good strips of riparian vegetation.	Unlikely. The highly disturbed habitats of the APE and surrounding lands are largely unsuitable for this species. The ephemeral nature of the Arroyo Santa Rosa makes the lands adjacent to the APE less than marginal for this species. The only regional recorded observation of this species occurred directly north of the Santa Clara River channel.
south coast marsh vole (Microtus californicus stephensi)	CSC	Occurs in a narrow band of wetland communities and associated grasslands in the immediate coastal zone from southern Ventura County to northern Orange County. Herbivorous, eating mostly grasses and roots, but also relies on sedges, fruits and forbs in certain areas. In the winter, the vole eats mostly roots and underground plant parts. Grain will also be eaten when available.	Absent. The APE is outside the current known range of this species. The only regional recorded observation of this species occurred in 1941 in salt marsh habitat approximately 12 miles southwest of the APE.
southern California legless lizard (Anniella stebbinsi)	SSC	Found in broadleaved upland forest, chaparral coastal dunes, and coastal scrub. They prefer soils with a high moisture content.	Absent . Habitats and soils required by this species are absent from the APE.
southern California rufous- crowned sparrow (Aimophila ruficeps canescens)	CWL	Resident in Southern California coastal sage scrub and sparse mixed chaparral. Frequents relatively steep, often rocky hillsides with grass and forb patches.	Unlikely. The highly disturbed habitats of the APE are largely unsuitable for this species. Suitable habitat is present north of the Arroyo Santa Rosa and Arroyo Conejo. The elevation of the APE is far outside the lower limit of the species' foraging range, and suitable vegetation is absent for breeding habitat. At most, an individual could pass through the site as a transient or during migration.

Species	Status	Habitat	Occurrence on Project Site
southern California saltmarsh shrew (Sorex ornatus salicornicus)	CSC	Occurs in coastal marshes in Los Angeles, Orange and Ventura counties. Requires dense vegetation and woody debris for cover.	Absent. Salt marsh habitat required by this species is absent from the APE and surrounding lands. The only regional recorded observation of this species occurred in 1941 approximately 12 miles southwest of the APE.
southwestern willow flycatcher (Empidonax traillii extimus)	FE, CE	Found primarily in extensive willow thickets. Breeding populations are found only in isolated meadows of the Sierra Nevada, and along the Kern, Santa Margarita, San Luis Rey, and Santa Ynez Rivers in southern California. Between August and September, this species migrates to wintering grounds in Mexico, Central America, and possibly northern South America.	Unlikely. The small stands of willows growing adjacent to the Arroyo Santa Rosa are marginal at best for these species. The only two regional recorded observations have occurred in close proximity to the Santa Clara River in riparian woodland habitat.
Steelhead – Central Valley DPS (Oncorhynchus mykiss irideus pop.11)	FT	This winter-run fish begins migration to fresh water during peak flows during December and February. Spawning season is typically from February to April. After hatching, fry move to deeper, mid-channel habitats in late summer and fall. In general, both juveniles and adults prefer complex habitat boulders, submerged clay and undercut banks, and large woody debris.	Absent. Suitable perennial aquatic habitat for this species is absent from the Project area and surrounding lands.
tidewater goby (Eucyclogobius newberryi)	FE	Occurs in brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County to the mouth of the Smith River. Found in shallow lagoons and lower stream reaches, they need fairly still but not stagnant water and high oxygen levels.	Absent . Suitable aquatic habitat is absent from the APE. This species is listed as 'Possibly Extirpated' from the area on CNDDB.
tricolored blackbird (Agelaius tricolor)	CT, CSC	Nests colonially near fresh water in dense cattails or tules, or in thickets of riparian shrubs. Forages in grassland and cropland. Large	Absent . Habitats required by this species are absent from the APE and surrounding lands. Foraging opportunities in the fallow fields of the APE are less than marginal. The

Species	Status	Habitat	Occurrence on Project Site
		colonies are often found on dairy farm forage fields.	nearest recorded observation of this species occurred within emergent aquatic habitat adjacent to Lake Sherwood approximately 7 miles southeast of the APE in 1994.
two-striped gartersnake (Thamnophis hammondii)	CSC	Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	Absent. Habitats required by this species are absent from the APE. Arroyo Santa Rosa is an ephemeral water body and therefore dry for large portions of the year.
unarmored threespine stickleback (Gasterosteus aculeatus williamsoni)	FE, CE, CFP	Inhabits weedy pools, backwaters, and among emergent vegetation at the stream edge in small Southern California streams. Requires cool (<24 C), clear water with abundant vegetation.	Absent . Suitable aquatic habitat is absent from the APE.
western mastiff bat (Eumops perotis californicus)	CSC	Found in open, arid to semi- arid habitats, including dry desert washes, flood plains, chaparral, oak woodland, open ponderosa pine forest, grassland, and agricultural areas, where it feeds on insects in flight. Roosts most commonly in crevices in cliff faces but may also use high buildings and tunnels.	Possible. Suitable roosting habitat is present in close proximity to the APE, including Elliot Mountain, Lizard Rock, and Mountclef Ridge, all of which are less than a mile south of the Project boundary. This species may forage over the APE and other agricultural fields in the immediate area.
western pond turtle (Emys marmorata)	CSC	An aquatic turtle of ponds, marshes, slow-moving rivers, streams, and irrigation ditches with riparian vegetation. Requires adequate basking sites and sandy banks or grassy open fields to deposit eggs.	Unlikely. The highly disturbed habitats of the APE and surrounding lands are unsuitable for this species. Typical preferred aquatic habitat is absent from the Project site, and terrestrial habitat is unsuitable due to frequent ground disturbance associated with agricultural production. Riparian restoration efforts associated with wastewater discharge in Arroyo Conejo have focused on mitigating impacts to this species. Also, this species is known to inhabit Wildwood Regional Park, located approximately 1 mile south of the APE.

Species	Status	Habitat	Occurrence on Project Site
western red bat (Lasiurus blossevillii)	CSC	Roosts primarily in trees, 2–40 ft above ground, from sea level up through mixed conifer forests. Prefers habitat edges and mosaics with trees that are protected from above and open below with open areas for foraging.	Possible. Breeding habitat is absent from the APE and surrounding lands. The ruderal field could be used for nocturnal foraging.
western snowy plover (Charadrius alexandrinus nivosus)	FT, CSC	Typically found on sandy beaches, salt pond levees, and shores of large alkali lakes.	Absent. Suitable nesting habitat for this species is absent from the APE and surrounding lands. All regional recorded observations have taken place in coastal dune habitat, approximately 14.5 miles southwest of the APE.
western spadefoot (Spea hammondii)	CSC	Prefers open areas with sandy or gravelly soils, in a variety of habitats including mixed woodlands, grasslands, coastal sage scrub, chaparral, sandy washes, lowlands, river floodplains, alluvial fans, playas, alkali flats, foothills, and mountains. Vernal pools or temporary wetlands, lasting a minimum of three weeks, which do not contain bullfrogs, fish, or crayfish are necessary for breeding.	Absent. The highly disturbed habitats of the Project area and surrounding lands are unsuitable for this species. Wetland or vernal pool habitat suitable for breeding is absent from the APE and potential aestivation habitat is marginal, at best.
western yellow- billed cuckoo (Coccyzus americanus occidentalis)	FT, CE	Suitable nesting habitat in California includes dense riparian willow-cottonwood and mesquite habitats along a perennial river. Once a common breeding species in riparian habitats of lowland California, this species currently breeds consistently in only two locations in the State: along the Sacramento and South Fork Kern Rivers.	Absent. The APE is outside the current known range of this species. One of the only two regional recorded observations of this species is listed as 'Possibly Extirpated' from the area.

Species	Status	Habitat	Occurrence on Project Site
white-tailed kite (Elanus leucurus)	CFP	Occurs in rolling foothills and valley margins with scattered oaks & river bottomlands or marshes next to deciduous woodland. Utilizes open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	Present . This species was observed foraging in the field directly southeast of the APE at the time of the survey.
yellow warbler (Setophaga petechia)	CSC	Inhabits riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	Possible. Suitable nesting habitat is present in close proximity to the APE in the form of willows lining the banks of the Arroyo Santa Rosa. The fallow field within the APE could serve as marginal foraging habitat for this species. The only regional recorded observation of this species occurred adjacent to the Santa Clara river, approximately 11 miles northwest of the APE.

Table 2. List of Special Status Plants with Potential to Occur Onsite and/or in the Vicinity.

Species	Status	Habitat	Occurrence on Project Site
Agoura Hills dudleya (Dudleya cymosa ssp. agourensis)	FT, CNPS 1B	Found in the Western Transverse ranges, Peninsular ranges, and the San Jacinto Mountains. Grows in chaparral and cismontane woodland in Rocky, volcanic breccia at elevations below 1510 feet. Blooms May – June.	Absent. Suitable plant communities and soils are absent from the APE. All regional recorded observations have occurred south of United States Route 101, in the vicinity of Lake Sherwood, Las Virgenes Reservoir, and Ladyface Mountain.
Blochman's dudleya (Dudleya blochmaniae ssp. blochmaniae)	CNPS 1B	Found with coastal scrub, coastal bluff scrub, chaparral, valley and foothill grassland habitats along the Central Coast, South Coast, and within the northern Channel Islands. Grows in open, rocky slopes; often in shallow clays over serpentine or in rocky areas with little soil at elevations below 1,475 feet. Blooms April – June.	Absent. Suitable plant communities and soils are absent from the APE.
Braunton's milk- vetch (Astragalus brauntonii)	FE, CNPS 1B	Found in chaparral, coastal scrub, valley and foothill grassland in southern California. A soil specialist; requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. Grows at elevations below 2,130 feet. Blooms March – July.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species.
California Orcutt Grass (Orcuttia californica)	FE	Found throughout coastal southern California in the Transverse Ranges, San Gabriel mountains, Peninsular Ranges, and the San Jacinto Mountains. Grows in vernal pool habitats at elevations below 2295 feet. Blooms April – August.	Absent . Suitable vernal pool habitat is absent from the APE and surrounding lands.

Species	Status	Habitat	Occurrence on Project Site
California screw moss (Tortula californica)	CNPS 1B	Found in scrublands, and valley-foothill grasslands across California. Grows in sandy soils at elevations between 33 and 4,790 feet.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. All regional recorded observations of this species have occurred within the Santa Monica Mountains south of Hidden Valley.
chaparral nolina (Nolina cismontana)	CNPS 1B	Found throughout coastal southern California in chaparral and coastal scrub habitat. Primarily grows on sandstone and shale substrates at elevations between 460 – 4,260 feet. Blooms May – July.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. All regional recorded observations of this species have occurred in the vicinity of Lindero Canyon, approximately 6.5 miles east of the APE. The APE is outside the lower elevational range of this species.
Chaparral ragwort (Senecio aphanactis)	CNPS 2B	Found in chaparral, cismontane woodland, and coastal scrub, typically within drying alkaline flats at elevations between 65–2,800 feet. Blooms February–May.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species.
conejo buckwheat (Eriogonum crocatum)	CR, CNPS 1B	This species is endemic to the Western transverse Ranges of southern California. Grows in rocky sites within chaparral, coastal scrub, valley and foothill grassland habitats at elevations between 200 – 1,900 feet. Blooms April – July.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Conejo dudleya (Dudleya parva)	FT, CNPS 1B	This species is endemic to the Western transverse Ranges of southern California. Grows in clay or volcanic soils on rocky slopes and grassy hillsides in coastal scrub, valley and foothill grassland habitats at elevations between 195 – 1,475 feet. Blooms May – July.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Coulter's goldfields (Lasthenia glabrata ssp. coulteri)	CNPS 1B	Found on alkaline or saline soils in vernal pools and playas in grassland at elevations below 4500 feet. Blooms April–May.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species is from a collection dated 1982 and is mapped

Species	Status	Habitat	Occurrence on Project Site
			approximately 15 miles southwest of the APE.
Coulter's saltbush (Atriplex coulteri)	CNPS 1B	Found on ocean bluffs and ridgetops in alkaline or clay soils along the south coast of southern California and throughout the Channel Islands. Grows in coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland habitats at elevations below 1,640 feet. Blooms March – October.	Absent. Suitable habitats and soils are absent from the APE and surrounding lands. The only regional recorded observations of this species are from historic collections and are map approximately 14 miles southwest of the APE.
dune larkspur (Delphinium parryi ssp. blochmaniae)	CNPS 1B	Occurs throughout the central and south coast of California in rocky areas of chaparral and coastal dune habitats. Grows at elevations below 1,000 feet. Blooms April – May.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species is mapped from an undated Lake Eleanor map, approximately 8.5 miles southeast of the APE.
estuary seablite (Suaeda esteroa)	CNPS 1B	Endemic to the south coast of California, this facultative wetland species is found in salt marsh and swamp habitats. Grows in clay, silt, and sand substrates at elevations below 260 feet. Blooms may – October.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. All three regional recorded observations of this species have occurred in the vicinity of Mugu Lagoon, approximately 13 miles southwest of the APE.
Gerry's curly- leaved monardella (Monardella sinuata ssp. gerryi)	CNPS 1B	Found in sandy openings in coastal scrub habitat along the coastal interior of Ventura and Los Angeles counties. Grows at elevations between 600 and 700 feet. Blooms April – June.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Lyon's pentachaeta (Pentachaeta Iyonii)	FE, CE, CNPS 1B	Found in the Western Transverse range, the south coast of California, and the southern Channel Islands in chaparral, valley, foothill grassland, and coastal scrub habitats. Grows along the edges of	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.

Species	Status	Habitat	Occurrence on Project Site
		clearings in chaparral, usually at the ecotone between grassland and chaparral or edges of firebreaks at elevations below 2,200 feet. Blooms March – August.	
Malibu baccharis (Baccharis malibuensis)	CNPS 1B	Found in the Western Transverse Ranges and Peninsular Ranges, including the San Jacinto Mountains in coastal scrub, chaparral, cismontane woodland, and riparian woodland habitats. Grows in Conejo volcanic substrates, often on exposed roadcuts, and sometimes occupies oak woodland habitat. Elevational range of 165 – 1,050 feet. Blooms August – September.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
marcescent dudleya (Dudleya cymosa ssp. marcescens)	FT, CR, CNPS 1B	Endemic to the chaparral habitats of the Western transverse Ranges. Grows on sheer rock surfaces and rocky volcanic cliffs at elevations between 475 – 2,200 feet. Blooms May – June.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species.
mesa horkelia (Horkelia cuneata var. puberula)	CNPS 1B	Found throughout the central and south coast ranges of California in chaparral, cismontane woodland, and coastal scrub habitats. Grows in sandy or gravelly sites at elevations between 50 – 5,400 feet. Blooms March – July.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Nuttall's scrub oak (Quercus dumosa)	CNPS 1B	Found in the South Coast and Peninsular ranges in closed-cone coniferous forest, chaparral, and coastal scrub habitats. Generally grows on sandy soils near the coast; sometimes on clay loam, at elevations below 650	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. The only two regional recorded observations of this species are mapped 6 miles southwest and 10 miles southeast of the APE, respectively.

Species	Status	Habitat	Occurrence on Project Site
		feet. Blooms March – May.	
Ojai navarretia (Navarretia ojaiensis)	CNPS 1B	Endemic to the chaparral, coastal scrub, valley and foothill grassland habitats of the Western Transverse Ranges. Grows in openings in shrublands or grasslands at elevations between 900 – 3280 feet. Blooms May – July.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species.
Orcutt's pincushion (Chaenactis glabriuscula var. orcuttiana)	CNPS 1B	Found along the south coast of California in coastal bluff scrub and coastal dune habitats. Grows in sandy sites at elevations below 325 feet. Blooms April – June.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species is from a historical collection dated 1898.
Parry's spineflower (Chorizanthe parryi var. parryi)	CNPS 1B	Found throughout southern California and the Sonoran Desert in coastal scrub, chaparral, cismontane woodland, valley and foothill grassland habitats. Grows in dry sandy soils on slopes and flats at elevations between 295 and 4,000 feet. Blooms May – June.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species. The only regional recorded observation of this species is from a historical collection dated 1957 and lists the species as 'Possibly Extirpated' from the area.
Payne's bush lupine (Lupinus paynei)	CNPS 1B	Found throughout coastal southern California in coastal scrub, riparian scrub, valley and foothill grassland habitats. Grows in sandy areas at elevations below 4,920 feet. Blooms April – June.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
salt marsh bird's- beak (Chloropyron maritimum ssp. maritimum)	FE, CE, CNPS 1B	Found along the south coast of southern California in marshes, swamps, and coastal dunes. Limited to the higher zones of salt marshes, growing at elevations below 30 feet. Blooms May – October.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the upper elevational range of this species.

Species	Status	Habitat	Occurrence on Project Site
Santa Monica dudleya (Dudleya cymosa ssp. ovatifolia)	FT, CNPS 1B	Found in both the Western Transverse and Peninsular Ranges in chaparral and coastal scrub habitats. Grows in canyons on volcanic or sedimentary substrates; primarily on north-facing slopes at elevations between 490 – 1,640 feet. Blooms May – June.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species. The only regional recorded observation of this species is mapped approximately 10 miles southeast of the APE and was recorded over 40 years ago.
Santa Susana tarplant (Deinandra minthornii)	CR, CNPS 1B	Endemic to the Western Transverse range, this species is found in chapparal and coastal scrub habitat. Grows On sandstone outcrops and crevices, in shrubland at elevations between 650 – 2,625 feet. Blooms June – November.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. The APE is outside the lower elevational range of this species.
slender mariposa- lily (Calochortus clavatus var. gracilis)	CNPS 1B	This species occurs in shaded foothill canyons in chaparral, coastal scrub, and grassland habitats at elevations below 6,000 feet. Blooms May – June.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
Sonoran maiden fern (Thelypteris puberula var. sonorensis)	CNPS 1B	This species is found in the Western Transverse Ranges, South Coast, San Gabriel and San Jacinto Mountains in meadows and seeps. Grows along streams and seepage areas at elevations between 165 – 3,050 feet. Blooms January – September.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species.
southern tarplant (Centromadia parryi ssp. australis)	CNPS 1B	Found along the southern coast of California in marshes and swamps (margins), valley and foothill grassland, and vernal pools. Grows in disturbed sites near the coast at marsh edges; also, in alkaline soils sometimes with saltgrass, at elevations below 3,200	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species occurred in a flood control area approximately 3 miles south of the APE.

Species	Status	Habitat	Occurrence on Project Site
		feet. Blooms June - October.	
Verity's dudleya (Dudleya verity)	FT, CNPS 1B	Endemic to the Western transverse ranges, this species is found in chaparral, cismontane woodland, coastal scrub habitats. Grows on volcanic rock outcrops in the Santa Monica Mountains at elevations between 200 – 1,000 feet. Blooms may – June.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. All regional recorded observations of this species have occurred in the area between Conejo Valley and Pleasant Valley, approximately 4 miles southwest of the APE.
white rabbit- tobacco (Pseudognaphalium leucocephalum)	CNPS 2B	This species occurs in coastal southern California, the San Bernardino Mountains, and San Jacinto Mountains in riparian woodland, cismontane woodland, coastal scrub, chaparral habitats. Grows in sandy, gravelly sites at elevations below 1,690 feet. Blooms July – October.	Absent . The disturbed habitats and soils of the APE are unsuitable for this species. All regional recorded observations have occurred in the direct vicinity of the Santa Clara river.
white-veined monardella (Monardella hypoleuca ssp. hypoleuca)	CNPS 1B	This species occurs in the outer south coast ranges and Western transverse ranges of California in chaparral and cismontane woodland habitats. Grows on dry slopes at elevations below 4,920 feet. Blooms May – October.	Absent. The disturbed habitats and soils of the APE are unsuitable for this species. The only regional recorded observation of this species is mapped within the Circle X Ranch, approximately 6 miles south of the APE.

EXPLANATION OF OCCURRENCE DESIGNATIONS

Present: Species observed on the site at time of field surveys or during recent past

Likely: Species not observed on the site, but it may reasonably be expected to occur there on a regular basis

Possible: Species not observed on the site, but it could occur there from time to time

Unlikely: Species not observed on the site, and would not be expected to occur there except, perhaps, as a transient Absent: Species not observed on the site, and precluded from occurring there due to absence of suitable habitat

STATUS CODES

FE Federally Endangered CE California Endangered
FT Federally Threatened
CCT California Threatened (Candidate) CFP California Fully Protected

CSC California Species of Special Concern CWL California Watch List

CR California Rare

CNPS RARE PLANT RANKS

1B Plants Rare, Threatened, or Endangered in California and elsewhere

2B Plants Rare, Threatened, or Endangered in California but more common elsewhere

III. Impacts and Mitigation

Significance Criteria

CEQA

General plans, area plans, and specific projects are subject to the provisions of CEQA. The purpose of CEQA is to assess the impacts of proposed projects on the environment prior to project implementation. Impacts to biological resources are just one type of environmental impact assessed under CEQA and vary from project to project in terms of scope and magnitude. Projects requiring removal of vegetation may result in the mortality or displacement of animals associated with this vegetation. Animals adapted to humans, roads, buildings, and pets may replace those species formerly occurring on a site. Plants and animals that are State and/or federally listed as threatened or endangered may be destroyed or displaced. Sensitive habitats such as wetlands and riparian woodlands may be altered or destroyed. Such impacts may be considered either "significant" or "less than significant" under CEQA. According to CEQA, Statute and Guidelines (AEP 2012), "significant effect on the environment" means a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic interest. Specific project impacts to biological resources may be considered "significant" if they would:

- Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS;
- Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the CDFW or USFWS;
- Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- Interfere substantially with the movement of any native resident or migratory fish or wildlife species or
 with established native resident or migratory wildlife corridors or impede the use of native wildlife
 nursery sites.
- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; or
- Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

Furthermore, CEQA Guidelines Section 15065(a) states that a project may trigger the requirement to make a "mandatory finding of significance" if the project has the potential to:

"Substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of an endangered, rare or threatened

species, or eliminate important examples of the major periods of California history or prehistory."

Relevant Goals, Policies, and Laws

General Plan

The Ventura County General Plan 2040 Conservation and Open Space Element contains the following goals and policies related to the Project:

COS-1 To identify, preserve, protect, and restore sensitive biological resources, including federal and statedesignated endangered, threatened, rare, or candidate species and their supporting habitats; wetland and riparian habitats; coastal habitats; habitat connectivity and wildlife corridors; and habitats and species identified as "locally important" by the County.

COS-1.1 Protection of Sensitive Biological Resources. The County shall ensure that discretionary development that could potentially impact sensitive biological resources be evaluated by a qualified biologist to assess impacts and, if necessary, develop mitigation measures that fully account for the impacted resource. When feasible, mitigation measures should adhere to the following priority: avoid impacts, minimize impacts, and compensate for impacts. If the impacts cannot be reduced to a less than significant level, findings of overriding considerations must be made by the decision-making body.

COS-1.2 Consideration of Sensitive Biological Resources. The County shall identify sensitive biological resources as part of any land use designation change to the General Plan Land Use Diagram or zone designation change to the Zoning Ordinance that would intensify the uses in a given area. The County shall prioritize conservation of areas with sensitive biological resources.

COS-1.4 Consideration of Impacts to Wildlife Movement. When considering proposed discretionary development, County decision-makers shall consider the development's potential project-specific and cumulative impacts on the movement of wildlife at a range of spatial scales including local scales (e.g., hundreds of feet) and regional scales (e.g., tens of miles).

COS-1.9 Agency Consultation Regarding Biological Resources. The County shall consult with the California Department of Fish and Wildlife, the Regional Water Quality Control Board, the U.S. Fish and Wildlife Service, National Audubon Society, California Native Plant Society, National Park Service for development in the Santa Monica Mountains or Oak Park Area, and other resource management agencies, as applicable during the review of discretionary development applications to ensure that impacts to biological resources, including rare, threatened, or endangered species, are avoided or minimized.

Threatened and Endangered Species

Permits may be required from the USFWS and/or CDFW if activities associated with a project have the potential to result in the "take" of a species listed as threatened or endangered under the federal and/or state Endangered Species Acts. Take is defined by the State of California as "to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture or kill" (California Fish and Game Code, Section 86). Take is more broadly defined by the federal Endangered Species Act to include "harm" (16 USC, Section 1532(19), 50 CFR, Section 17.3). CDFW and USFWS are responsible agencies under CEQA and National Environmental Policy Act (NEPA). Both agencies review CEQA and NEPA documents in order to determine the adequacy of their treatment of endangered species issues and to make project-specific recommendations for their conservation.

Designated Critical Habitat

When species are listed as threatened or endangered, the USFWS often designates areas of "Critical Habitat" as defined by section 3(5)(A) of the federal Endangered Species Act (ESA). Critical Habitat is a term defined in the ESA as a specific geographic area that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection. Critical Habitat is a tool that supports the continued conservation of imperiled species by guiding cooperation with the federal government. Designations only affect federal agency actions or federally funded or permitted activities. Critical Habitat does not prevent activities that occur within the designated area. Only activities that involve a federal permit, license, or funding and are likely to destroy or adversely modify Critical Habitat will be affected.

Migratory Birds

The Federal Migratory Bird Treaty Act (MBTA: 16 USC 703-712) prohibits killing, possessing, or trading in any bird species covered in one of four international conventions to which the U.S. is a party, except in accordance with regulations prescribed by the Secretary of the Interior. The name of the act is misleading, as it actually covers almost all bird's native to the U.S., even those that are non-migratory. The MBTA encompasses whole birds, parts of birds, and bird nests and eggs. Additionally, California Fish and Game Code makes it unlawful to take or possess any non-game bird covered by the MBTA (Section 3513), as well as any other native non-game bird (Section 3800).

Birds of Prey

Birds of prey are protected in California under provisions of Fish and Game Code (Section 3503.5), which states that it is unlawful to take, possess, or destroy any birds in the order Falconiformes (hawks and eagles) or Strigiformes (owls), as well as their nests and eggs. The bald eagle and golden eagle are afforded additional protection under the federal Bald and Golden Eagle Protection Act (16 USC 668), which makes it unlawful to kill birds or their eggs.

Nesting Birds

In California, protection is afforded to the nests and eggs of all birds. California Fish and Game Code (Section 3503) states that it is "unlawful to take, possess, or needlessly destroy the nest or eggs of any bird except as otherwise provided by this code or any regulation adopted pursuant thereto.". Breeding-season disturbance that causes nest abandonment and/or loss of reproductive effort is considered a form of "take" by the CDFW.

Wetlands and other "Jurisdictional Waters"

Natural drainage channels and adjacent wetlands may be considered "waters of the United States." or "jurisdictional waters" subject to the jurisdiction of the USACE. The extent of jurisdiction has been defined in the Code of Federal Regulations but has also been subject to interpretation of the federal courts. As of April 2020, jurisdictional waters generally include:

The territorial seas, and waters which are currently used, or were used in the past, or may be susceptible
to use in interstate or foreign commerce, including waters which are subject to the ebb and flow of the
tide;

- Traditional Navigable Waters: Perennial and Intermittent tributaries that contain surface water flow to such waters;
- Lake and ponds, and impoundments of jurisdictional waters; and
- Wetlands adjacent to jurisdictional waterways.

On June 22, 2020 the United States Environmental Protection Agency (USEPA) and the USACE (together, "the agencies") published the Navigable Waters Protection Rule defining the scope of waters subject to federal regulation under the Clean Water Act (CWA or the Act). In this final rule, the agencies interpret the term "waters of the United States" to encompass: The territorial seas and traditional navigable waters; perennial and intermittent tributaries that contribute surface water flow to such waters; certain lakes, ponds, and impoundments of jurisdictional waters; and wetlands adjacent to other jurisdictional waters.

The USACE regulates the filling or grading of Waters of the United States. under the authority of Section 404 of the Clean Water Act. The extent of jurisdiction within drainage channels is defined by "ordinary high-water marks" on opposing channel banks. All activities that involve the discharge of dredge or fill material into Waters of the United States are subject to the permit requirements of the USACE. Such permits are typically issued on the condition that the applicant agrees to provide mitigation that results in no net loss of wetland functions or values. No permit can be issued until the RWQCB issues a Section 401 Water Quality Certification (or waiver of such certification) verifying that the proposed activity will meet State water quality standards.

Under the Porter-Cologne Water Quality Control Act of 1969, the SWRCB has regulatory authority to protect the water quality of all surface water and groundwater in the State of California ("Waters of the State"). Nine RWQCBs oversee water quality at the local and regional level. The RWQCB for a given region regulates discharges of fill or pollutants into Waters of the State through the issuance of various permits and orders. Discharges into Waters of the State that are also Waters of the United States require a Section 401 Water Quality Certification from the RWQCB as a prerequisite to obtaining certain federal permits, such as a Section 404 Clean Water Act permit. Discharges into all Waters of the State, even those that are not also Waters of the United States., require Waste Discharge Requirements (WDRs), or waivers of WDRs, from the RWQCB. The RWQCB also administers the Construction Storm Water Program and the federal National Pollution Discharge Elimination System (NPDES) program. Projects that disturb one acre or more of soil must obtain a Construction General Permit under the Construction Storm Water Program. A prerequisite for this permit is the development of a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer. Projects that discharge wastewater, storm water, or other pollutants into a Water of the United States. may require a NPDES permit.

CDFW has jurisdiction over the bed and bank of natural drainages and lakes according to provisions of Section 1601 and 1602 of the California Fish and Game Code. Activities that may substantially modify such waters through the diversion or obstruction of their natural flow, change or use of any material from their bed or bank, or the deposition of debris require a notification of a Lake or Streambed Alteration. If CDFW determines that the activity may adversely affect fish and wildlife resources, a Lake or Streambed Alteration Agreement will be prepared. Such an agreement typically stipulates that certain measures will be implemented to protect the habitat values of the lake or drainage in question.

Potentially Significant Project-Related Impacts and Mitigation

Species identified as candidate, sensitive, or special status species in local or regional plans, policies, or regulations by CDFW or USFWS that have the potential to be impacted by the Project are identified below with corresponding mitigation measures. California horned lark, coastal California gnatcatcher, least Bell's vireo, pallid bat, western mastiff bat, western red bat, and yellow warbler are species which have to potential to occur within the APE or vicinity. Both Cooper's Hawk and white-tailed kite were observed within the vicinity of the APE at the time of the survey. These species are discussed below with the corresponding mitigation measures.

Project-Related Mortality and/or Disturbance of Nesting Raptors, Migratory Birds, and Special Status Birds (Including Swainson's Hawk).

The Project site contains suitable nesting and/or foraging habitat for a variety of avian species. Ground nesting birds such as the killdeer (*Charadrius vociferus*) could nest on the bare ground or compacted dirt roads onsite. Black phoebe (*Sayornis nigricans*) and cliff swallow (*Petrochelidon pyrrhonota*) could nest on structures within or adjacent to waterways. Raptor species could utilize the small riparian corridor trees for nesting and the surrounding habitats for foraging. Birds nesting within the Project area during construction have the potential to be injured or killed by Project-related activities. In addition to the direct "take" of nesting birds, nesting birds within the Project site or adjacent areas could be disturbed by Project-related activities resulting in nest abandonment. Projects that adversely affect the nesting success of raptors and migratory birds or result in the mortality of individual birds is considered a violation of State and federal laws and are considered a potentially significant impact under CEQA.

Dense riparian shrub and coastal sage scrub nesting habitats required by least bell's vireos and coastal California Gnatcatchers respectively, are absent from the APE, however marginal habitat for both species is present less than 0.1 miles from the southern APE boundary. While the Project proses no removal or alteration of habitats required by these species, recorded observations of both species have occurred within 1.5 miles of the APE. Implementation of a pre-construction survey for nesting birds will determine the need for the mitigation measures described in both the *Least Bell's Vireo Survey Guidelines (US Fish & Wildlife Service, 1/2001)* and *Coastal California Gnatcatcher Presence/Absence Survey Guidelines (US Fish & Wildlife Service, 2/1997)*. Should nests or individuals of either species be observed during the pre-construction survey, the aforementioned survey guidelines will reduce potential impacts to least bell's vireos and coastal California Gnatcatchers to a less than significant level under CEQA.

Nesting bird season is generally accepted as February 1 through August 31; however, raptor nesting season is generally accepted as March 1 through September 15. For simplicity, these timeframes have been combined.

Implementation of the following measures will reduce potential impacts to migratory and special status birds, including California horned lark, coastal California gnatcatcher, Cooper's hawk, least Bell's vireo, white-tailed kite, and yellow warbler to a less than significant level under CEQA and will ensure compliance with State and federal laws protecting these avian species.

Mitigation. The following measures will be implemented prior to the start of construction:

Mitigation Measure NEST-1a (Avoidance): The Project's construction activities shall occur, if feasible, between September 16 and January 31 (outside of nesting bird season) in an effort to avoid impacts to nesting birds.

Mitigation Measure NEST-1b (Pre-construction Surveys): If activities must occur within nesting bird season (February 1 to September 15), a qualified biologist shall conduct pre-construction surveys for nesting birds within 10 days prior to the start of construction. The survey shall include the proposed work area and surrounding lands within 50 feet. All raptor nests will be considered "active" upon the nest-building stage.

Mitigation Measure NEST-1c (Establish Buffers): On discovery of any active nests near work areas, the biologist shall determine appropriate construction setback distances based on applicable CDFW and/or USFWS guidelines and/or the biology of the species in question. Construction buffers shall be identified with flagging, fencing, or other easily visible means, and shall be maintained until the biologist has determined that the nestlings have fledged and are no longer dependent on the nest.

Mitigation Measure NEST-1d (Additional Mitigation): On discovery of any coastal California gnatcatcher or least Bell's vireo individuals during the pre-construction survey, further mitigation measures may be required. Least Bell's Vireo Survey Guidelines (US Fish & Wildlife Service, 1/2001) and Coastal California Gnatcatcher Presence/Absence Survey Guidelines (US Fish & Wildlife Service, 2/1997) shall be consulted to determine appropriate further actions.

Mitigation Measure WEAP-1e (WEAP Training): On discovery of any special status bird species, all personnel associated with Project construction shall attend mandatory Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist, prior to initiating construction activities (including staging and mobilization). The specifics of this program shall include identification of the special status species and suitable habitats, a description of the regulatory status and general ecological characteristics of the species, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information, along with photographs or illustrations of the special status species, shall also be prepared for distribution to all contractors, their employees, and all other personnel involved with construction of the Project. All employees shall sign a form documenting that they have attended WEAP training and understand the information presented to them.

Project-Related Impacts to Special Status Bats

Although roosting and breeding habitat is absent from the APE, high quality roosting habitat is available south of Arroyo Santa Rosa in the area of Mountclef Ridge. The APE and surrounding agricultural fields provide suitable foraging habitat for multiple species of bat. If a special status bat were foraging onsite, it could be injured or killed by construction activities. Projects that adversely affect the reproductive success of special status species or result in the mortality of special status species are considered a violation of State and federal laws and are considered a potentially significant impact under CEQA.

Implementation of the following measure would reduce potential impacts to foraging special status bats, including pallid bat, western mastiff bat, and western red bat, to a less-than-significant-level under CEQA and would ensure compliance with State and federal laws protecting this species.

Mitigation. The following measures would be implemented during or prior to the start of construction:

Mitigation Measure BAT–2a (Operational Hours): Construction activities shall be limited to daylight hours to reduce potential impacts to special status bats that could be foraging onsite.

Less Than Significant Project-Related Impacts

Project-Related Impacts to Special Status Animal Species Absent From, or Unlikely to Occur on, the Project Site

Of the 43 regionally occurring special status species, 34 are considered absent from or unlikely to occur within the Project area due to past or ongoing disturbance and/or the absence of suitable habitat. As explained in **Table 1**, the following species were deemed absent from the Project site: arroyo chub, bank swallow, Belding's savannah sparrow, California brown pelican, California least tern, coastal whiptail, light-footed Ridgway's rail, quino checkerspot butterfly, Riverside fairy shrimp, Santa Ana sucker, south coast marsh vole, southern California legless lizard, southern California saltmarsh shrew, Steelhead – Central Valley DPS, tidewater goby, tricolored blackbird, two-striped gartersnake, unarmored threespine stickleback, western snowy plover, western spadefoot, western yellow-billed cuckoo; and the following 13 species were deemed unlikely to occur within the Project area: American badger, Bell's sage sparrow, burrowing owl, California glossy snake, California legless lizard, coast horned lizard, ferruginous hawk, golden eagle, San Diego desert woodrat, south coast gartersnake, southern California rufous-crowned sparrow, southwestern willow flycatcher, and western pond turtle. Since it is highly unlikely that these species would occur onsite, implementation of the Project should have no impact on these 34 special status species through construction mortality, disturbance, or loss of habitat. Mitigation measures are not warranted.

Project-Related Impacts to Special Status Plant Species

All 32 of the special status plant species which have been documented in the Project vicinity are considered absent from the Project area due to past or ongoing disturbance and/or the absence of suitable soils and/or habitat. The following species were deemed absent from the Project site: Agoura Hills dudleya, Blochman's dudleya, Braunton's milk-vetch, California Orcutt Grass, California screw moss, chaparral nolina, Chaparral ragwort, conejo buckwheat, Conejo dudleya, Coulter's goldfields, Coulter's saltbush, dune larkspur, estuary seablite, Gerry's curly-leaved monardella, Lyon's pentachaeta, Malibu baccharis, marcescent dudleya, mesa horkelia, Nuttall's scrub oak, Ojai navarretia, Orcutt's pincushion, Parry's spineflower, Payne's bush lupine, salt marsh bird's-beak, Santa Monica dudleya, Santa Susana tarplant, slender mariposa-lily, Sonoran maiden fern, southern tarplant, Verity's dudleya, white rabbit-tobacco, and white-veined monardella. Implementation of the Project will have no effect on individual plants or regional populations of these special status plant species. Mitigation measures are not warranted.

Project-Related Impacts to Riparian Habitat and Natural Communities of Special Concern

There are no CNDDB-designated "natural communities of special concern" recorded within the Project area or surrounding lands. Mitigation is not warranted.

Project-Related Impacts to Regulated Waters, Wetlands, and Water Quality.

Potential Waters of the United States, riparian habitat, typical wetlands, vernal pools, lakes, or streams, and other sensitive natural communities were not observed onsite at the time of the biological survey. The Arroyo Santa Rosa is an ephemeral stream which is located approximately 700 feet south of the APE. Project activities will not take place in the direct vicinity of the Arroyo, therefore mitigation is not warranted.

Project-Related Impacts to Wildlife Movement Corridors and Native Wildlife Nursery Sites.

The Project area does not contain features that would be likely to function as wildlife movement corridors. Furthermore, the Project is located in a region often disturbed by human activities related to agricultural production which would discourage dispersal and migration. Therefore, the Project will have no impact on wildlife movement corridors, and no additional mitigation measures are necessary.

Project-Related Impacts to Critical Habitat.

Designated critical habitat is absent from the Project area and surrounding lands. Therefore, there will be no impact to critical habitat, and mitigation is not warranted.

Local Policies or Habitat Conservation Plans.

The Project appears to be consistent with the goals and policies of the Fresno County General Plan. There are no known habitat conservation plans (HCPs) or a natural Community Conservation Plan (NCCP) in the Project vicinity. Mitigation is not warranted.

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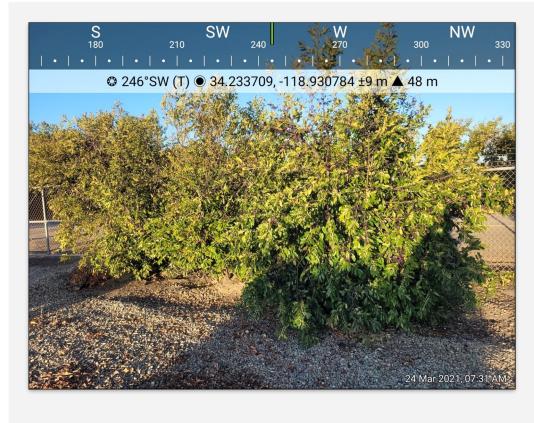
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Appendix A: Study Area Photos

CAMROSA WATER DISTRICT
CONEJO GAC WATER TREATMENT PROJECT



Overview of the current well site.



Photograph 2

Overview of the ornamental shrubs inside the current well site.



Overview of a small burrow observed inside the fenced area of the current well site. This is one of the few burrows observed during the survey.

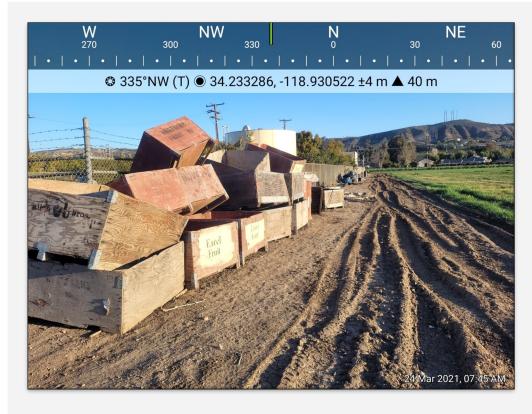


Photograph 4

Overview of Hill Canyon Road, located along the western border of the APE.

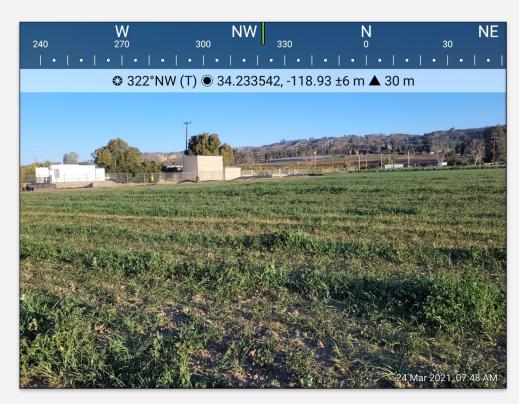


Overview of the APE from the southeast corner of Hill Canyon Road and Santa Rosa Road. Open space, foothill habitat is visible in the background.



Photograph 6

Overview of the east side of the current well site.



One of the grassy portions of the APE. The current well site is visible in the background.

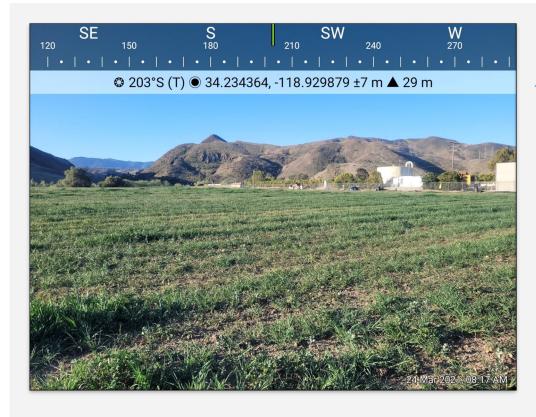


Photograph 8

Overview of the northern portion of the APE. A field of artichokes is visible in the background, a section of which is included in the APE.

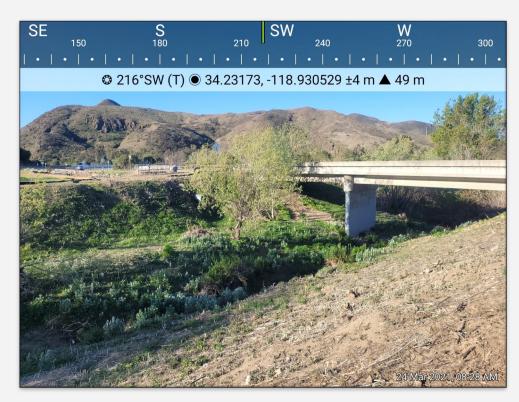


Overview of the artichoke field from the north.



Photograph 10

Overview of the southern portion of the APE. The current well site is visible in the background.



Overview of the Arroyo Santa Rosa, located approximately 700 feet from the southern edge of the APE.



Photograph 12

Overview of the marginal riparian habitat located along the banks of the Arroyo Santa Rosa.

Appendix B: CNDDB Quad Search

CAMROSA WATER DISTRICT

CONEJO GAC WATER TREATMENT PROJECT



California Department of Fish and Wildlife California Natural Diversity Database



Query Criteria:

Quad IS (Newbury Park (3411828) OR Thousand Oaks (3411827) OR Simi (3411837) OR Moorpark (3411838) OR Santa Paula (3411931) OR Camarillo (3411921) OR Point Mugu (3411911) OR Triunfo Pass (3411818) OR Point Dume (3411817))

						Rare Plant Rank/CDFW
Species	Element Code	Federal Status	State Status	Global Rank	State Rank	SSC or FP
Agoura Hills dudleya	PDCRA040A7	Threatened	None	G5T1	S1	1B.2
Dudleya cymosa ssp. agourensis	ANA 1504040	Nama	Nama	05	00	000
American badger	AMAJF04010	None	None	G5	S3	SSC
Taxidea taxus	A F.O. ID 40400	Mana	Mana	00	00	000
arroyo chub Gila orcuttii	AFCJB13120	None	None	G2	S2	SSC
	ADDAL100040	Nama	Thurstoned	05	00	
bank swallow Riparia riparia	ABPAU08010	None	Threatened	G5	S2	
Belding's savannah sparrow Passerculus sandwichensis beldingi	ABPBX99015	None	Endangered	G5T3	S3	
Bell's sage sparrow	ABPBX97021	None	None	G5T2T3	S3	WL
Artemisiospiza belli belli						
Blochman's dudleya Dudleya blochmaniae ssp. blochmaniae	PDCRA04051	None	None	G3T2	S2	1B.1
Braunton's milk-vetch	PDFAB0F1G0	Endangered	None	G2	S2	1B.1
Astragalus brauntonii	1 5171501 100	Endangorod	140.10	02	02	15.1
burrowing owl	ABNSB10010	None	None	G4	S3	SSC
Athene cunicularia						
California brown pelican Pelecanus occidentalis californicus	ABNFC01021	Delisted	Delisted	G4T3T4	S3	FP
California glossy snake	ARADB01017	None	None	G5T2	S2	SSC
Arizona elegans occidentalis	,			00.2	<u></u>	
California horned lark	ABPAT02011	None	None	G5T4Q	S4	WL
Eremophila alpestris actia						
California least tern Sternula antillarum browni	ABNNM08103	Endangered	Endangered	G4T2T3Q	S2	FP
California legless lizard	ARACC01070	None	None	G3G4	S3S4	SSC
Anniella spp.						
California Orcutt grass Orcuttia californica	PMPOA4G010	Endangered	Endangered	G1	S1	1B.1
California screw moss	NBMUS7L090	None	None	G2G3	S2?	1B.2
Tortula californica						
California Walnut Woodland	CTT71210CA	None	None	G2	S2.1	
California Walnut Woodland						
chaparral nolina	PMAGA080E0	None	None	G3	S3	1B.2
Nolina cismontana						
chaparral ragwort	PDAST8H060	None	None	G3	S2	2B.2
Senecio aphanactis						



California Department of Fish and Wildlife California Natural Diversity Database



		_	_			Rare Plant Rank/CDFW
Species	Element Code	Federal Status	State Status	Global Rank	State Rank	SSC or FP
Coast horned lizard	ARACF12100	None	None	G3G4	S3S4	SSC
Phrynosoma blainvillii	A D D D 100004	Thursdayad	Nama	0405720	00	000
coastal California gnatcatcher Polioptila californica californica	ABPBJ08081	Threatened	None	G4G5T3Q	S2	SSC
	A.D.A.C. 1024.42	None	None	G5T5	S3	SSC
coastal whiptail Aspidoscelis tigris stejnegeri	ARACJ02143	None	None	GS15	53	33C
conejo buckwheat	PDPGN081G0	None	Rare	G1	S1	1B.2
Eriogonum crocatum	FDFGN001G0	None	Raie	Gi	31	16.2
•	PDCRA04016	Threatened	None	G1	S1	1B.2
Conejo dudleya Dudleya parva	PDCRA04016	rmeatened	None	Gi	31	16.2
	ABNKC12040	None	None	G5	S4	WL
Cooper's hawk Accipiter cooperii	ABNKC12040	None	None	GS	34	VVL
, ,	PDAST5L0A1	None	None	G4T2	S2	1B.1
Coulter's goldfields Lasthenia glabrata ssp. coulteri	PDASTSLUAT	None	None	G412	32	ID.I
Coulter's saltbush	DDC11E040E0	None	None	G3	S1S2	1B.2
Atriplex coulteri	PDCHE040E0	None	None	G3	5152	16.2
Crotch bumble bee	IIHYM24480	None	Candidate	G3G4	S1S2	
Bombus crotchii	IID (WZ4460	None	Endangered	G3G4	5152	
dune larkspur	PDRAN0B1B1	None	None	G4T2	S2	1B.2
Delphinium parryi ssp. blochmaniae	PURANUBIBI	None	None	G412	32	16.2
	PDCHE0P0D0	None	None	G3	S2	1B.2
estuary seablite Suaeda esteroa	PDCHEUPUDU	None	None	GS	32	16.2
	ABNKC19120	None	None	G4	S3S4	WL
ferruginous hawk Buteo regalis	ABNRC19120	None	None	G4	3334	VVL
	PDLAM18163	None	None	G3T1	S1	1B.1
Gerry's curly-leaved monardella Monardella sinuata ssp. gerryi	FDLAW10103	None	None	G311	31	16.1
globose dune beetle	IICOL4A010	None	None	G1G2	S1S2	
Coelus globosus	IICOL4A010	None	None	0102	3132	
golden eagle	ARNKC22010	None	None	G5	C 3	FD
Aquila chrysaetos	ABNKC22010	None	None	G5	S3	FP
hoary bat	AMACC05030	None	None	G3G4	S4	
Lasiurus cinereus	AIVIACCUSUSU	NOTIC	NONE	0004	07	
least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	
Vireo bellii pusillus	ADF DWV1114	Liluariyereu	Liluariyered	JJ12	02	
light-footed Ridgway's rail	ABNME05014	Endangered	Endangered	G3T1T2	S1	FP
Rallus obsoletus levipes	ADMINICUSU 14	Liluariyereu	Liluariyered	931112	01	11
Lyon's pentachaeta	PDAST6X060	Endangered	Endangered	G1	S1	1B.1
Pentachaeta Iyonii	. 5/10/10/1000			.	J.	15.1
Malibu baccharis	PDAST0W0W0	None	None	G1	S1	1B.1
Baccharis malibuensis	DAOTOWOWO	. 10110	140110	J 1	51	10.1
marcescent dudleya	PDCRA040A3	Threatened	Rare	G5T2	S2	1B.2
Dudleya cymosa ssp. marcescens	I DUNAU4UAS	THEALCHEU	ivaic	JJ12	U Z	10.2
Башеуа сутова вър. Шагсевсенв						



California Department of Fish and Wildlife California Natural Diversity Database



Outline	Fl	Es la sel Control	04-4- 04-4	Olyly 15	01-1- 5	Rare Plant Rank/CDFW
Species	Element Code	Federal Status	State Status	Global Rank	State Rank	SSC or FP
mesa horkelia Horkelia cuneata var. puberula	PDROS0W045	None	None	G4T1	S1	1B.1
,	IMC A C 17040	Nana	None	G2	S2	
mimic tryonia (=California brackishwater snail) Tryonia imitator	IMGASJ7040	None	None	G2	52	
monarch - California overwintering population	IILEPP2012	None	None	G4T2T3	S2S3	
Danaus plexippus pop. 1	IILEPP2012	None	None	G41213	3233	
Nuttall's scrub oak	PDFAG050D0	None	None	G3	S3	1B.1
Quercus dumosa	1 DI AG030D0	None	None	05	33	10.1
Ojai navarretia	PDPLM0C130	None	None	G2	S2	1B.1
Navarretia ojaiensis	T DI LINOO 130	None	None	02	02	10.1
Orcutt's pincushion	PDAST20095	None	None	G5T1T2	S1	1B.1
Chaenactis glabriuscula var. orcuttiana	1 5/10/20000	None	None	001112	01	10.1
pallid bat	AMACC10010	None	None	G4	S3	SSC
Antrozous pallidus	7 11011 100 100 10	110110	110110	0.	00	000
Parry's spineflower	PDPGN040J2	None	None	G3T2	S2	1B.1
Chorizanthe parryi var. parryi						
Payne's bush lupine	PDFAB2B580	None	None	G1Q	S1	1B.1
Lupinus paynei						
Plummer's mariposa-lily	PMLIL0D150	None	None	G4	S4	4.2
Calochortus plummerae						
quino checkerspot butterfly	IILEPK405L	Endangered	None	G5T1T2	S1S2	
Euphydryas editha quino						
Riverside fairy shrimp	ICBRA07010	Endangered	None	G1G2	S1S2	
Streptocephalus woottoni						
salt marsh bird's-beak	PDSCR0J0C2	Endangered	Endangered	G4?T1	S1	1B.2
Chloropyron maritimum ssp. maritimum						
San Bernardino ringneck snake	ARADB10015	None	None	G5T2T3	S2?	
Diadophis punctatus modestus						
San Diego desert woodrat	AMAFF08041	None	None	G5T3T4	S3S4	SSC
Neotoma lepida intermedia						
sandy beach tiger beetle	IICOL02101	None	None	G5T2	S2	
Cicindela hirticollis gravida						
Santa Ana sucker	AFCJC02190	Threatened	None	G1	S1	
Catostomus santaanae						
Santa Monica dudleya	PDCRA040A5	Threatened	None	G5T1	S1	1B.1
Dudleya cymosa ssp. ovatifolia						
Santa Monica grasshopper	IIORT36300	None	None	G1G2	S1S2	
Trimerotropis occidentiloides						
Santa Susana tarplant	PDAST4R0J0	None	Rare	G2	S2	1B.2
Deinandra minthornii						
senile tiger beetle	IICOL02121	None	None	G2G3T1T3	S1	
Cicindela senilis frosti						



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
slender mariposa-lily	PMLIL0D096	None	None	G4T2T3	S2S3	1B.2
Calochortus clavatus var. gracilis						
Sonoran maiden fern	PPTHE05192	None	None	G5T3	S2	2B.2
Thelypteris puberula var. sonorensis						
south coast gartersnake	ARADB3613F	None	None	G5T1T2	S1S2	SSC
Thamnophis sirtalis pop. 1						
south coast marsh vole	AMAFF11035	None	None	G5T2T3	S1S2	SSC
Microtus californicus stephensi						
Southern California legless lizard	ARACC01060	None	None	G3	S3	SSC
Anniella stebbinsi						
southern California rufous-crowned sparrow	ABPBX91091	None	None	G5T3	S3	WL
Aimophila ruficeps canescens						
southern California saltmarsh shrew	AMABA01104	None	None	G5T1?	S1	SSC
Sorex ornatus salicornicus						
Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	G4	S4	
Southern Coast Live Oak Riparian Forest						
Southern Coastal Salt Marsh	CTT52120CA	None	None	G2	S2.1	
Southern Coastal Salt Marsh						
Southern Riparian Forest	CTT61300CA	None	None	G4	S4	
Southern Riparian Forest						
Southern Riparian Scrub	CTT63300CA	None	None	G3	S3.2	
Southern Riparian Scrub						
Southern Sycamore Alder Riparian Woodland Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	G4	S4	
southern tarplant	PDAST4R0P4	None	None	G3T2	S2	1B.1
Centromadia parryi ssp. australis						
Southern Willow Scrub	CTT63320CA	None	None	G3	S2.1	
Southern Willow Scrub						
southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	G5T2	S1	
Empidonax traillii extimus						
steelhead - southern California DPS	AFCHA0209J	Endangered	None	G5T1Q	S1	
Oncorhynchus mykiss irideus pop. 10						
tidewater goby	AFCQN04010	Endangered	None	G3	S3	
Eucyclogobius newberryi						
Trask shoulderband	IMGASC2473	None	None	G1G2T1	S1	
Helminthoglypta traskii traskii						
tricolored blackbird	ABPBXB0020	None	Threatened	G1G2	S1S2	SSC
Agelaius tricolor						
two-striped gartersnake	ARADB36160	None	None	G4	S3S4	SSC
Thamnophis hammondii						
unarmored threespine stickleback	AFCPA03011	Endangered	Endangered	G5T1	S1	FP
Gasterosteus aculeatus williamsoni						



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Valley Needlegrass Grassland	CTT42110CA	None	None	G3	S3.1	
Valley Needlegrass Grassland						
Valley Oak Woodland Valley Oak Woodland	CTT71130CA	None	None	G3	S2.1	
Verity's dudleya Dudleya verityi	PDCRA040U0	Threatened	None	G1	S1	1B.1
wandering (=saltmarsh) skipper Panoquina errans	IILEP84030	None	None	G4G5	S2	
Wawona riffle beetle Atractelmis wawona	IICOL58010	None	None	G3	S1S2	
western mastiff bat Eumops perotis californicus	AMACD02011	None	None	G4G5T4	S3S4	SSC
western pond turtle Emys marmorata	ARAAD02030	None	None	G3G4	S3	SSC
western red bat Lasiurus blossevillii	AMACC05060	None	None	G4	S3	SSC
western small-footed myotis Myotis ciliolabrum	AMACC01140	None	None	G5	S3	
western snowy plover Charadrius nivosus nivosus	ABNNB03031	Threatened	None	G3T3	S2	SSC
western spadefoot Spea hammondii	AAABF02020	None	None	G2G3	S3	SSC
western yellow-billed cuckoo Coccyzus americanus occidentalis	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
white rabbit-tobacco Pseudognaphalium leucocephalum	PDAST440C0	None	None	G4	S2	2B.2
white-tailed kite Elanus leucurus	ABNKC06010	None	None	G5	S3S4	FP
white-veined monardella Monardella hypoleuca ssp. hypoleuca	PDLAM180A5	None	None	G4T3	S3	1B.3
woven-spored lichen Texosporium sancti-jacobi	NLTEST7980	None	None	G3	S2	3
yellow warbler Setophaga petechia	ABPBX03010	None	None	G5	S3S4	SSC
Yuma myotis Myotis yumanensis	AMACC01020	None	None	G5	S4	

Record Count: 100

Appendix C: NRCS Soils Report

CAMROSA WATER DISTRICT

CONEJO GAC WATER TREATMENT PROJECT



NRCS

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Ventura Area, California



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2 053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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MLRA 19	13
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How Soil Surveys Are Made

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

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

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

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

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

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

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

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

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

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

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

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



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

-

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

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Blowout

 \boxtimes

Borrow Pit

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Clay Spot

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Closed Depression

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Gravel Pit

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Gravelly Spot

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Landfill

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Lava Flow

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Marsh or swamp

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Mine or Quarry

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Miscellaneous Water
Perennial Water

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Rock Outcrop

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Saline Spot

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Sandy Spot

Sodic Spot

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Severely Eroded Spot

Sinkhole

Slide or Slip

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8

Spoil Area

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Stony Spot Very Stony Spot

3

Wet Spot Other

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Special Line Features

Water Features

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Streams and Canals

Transportation

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Rails

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Interstate Highways

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US Routes

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Major Roads

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Local Roads

Background

The same

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Ventura Area, California Survey Area Data: Version 15, May 27, 2020

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Apr 9, 2018—Jun 1, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SxA	Sorrento silty clay loam, 0 to 2 percent slopes, warm MAAT, MLRA 19	2.4	100.0%
Totals for Area of Interest		2.4	100.0%

Map Unit Descriptions

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

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

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

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

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onsite investigation is needed to define and locate the soils and miscellaneous areas.

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

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

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

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

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

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

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

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

Ventura Area, California

SxA—Sorrento silty clay loam, 0 to 2 percent slopes, warm MAAT, MLRA 19

Map Unit Setting

National map unit symbol: 2tyzr

Elevation: 20 to 540 feet

Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 61 to 62 degrees F

Frost-free period: 330 to 360 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Sorrento and similar soils: 85 percent *Minor components*: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Sorrento

Setting

Landform: Alluvial fans

Landform position (two-dimensional): Footslope Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Alluvium derived from sedimentary rock

Typical profile

A - 0 to 19 inches: silty clay loam
C - 19 to 79 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20

to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 10 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water capacity: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): 1 Land capability classification (nonirrigated): 3c

Hydrologic Soil Group: C Hydric soil rating: No

Minor Components

Mocho

Percent of map unit: 4 percent

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Landform: Alluvial fans

Landform position (two-dimensional): Footslope Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

Salinas

Percent of map unit: 4 percent

Landform: Alluvial fans

Landform position (two-dimensional): Footslope Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

Cropley

Percent of map unit: 4 percent

Landform: Alluvial fans

Landform position (two-dimensional): Footslope Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

Typic xerorthents

Percent of map unit: 3 percent

Landform: Alluvial fans

Landform position (two-dimensional): Footslope Landform position (three-dimensional): Tread

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

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Appendix C

Cultural Resources

Cultural Resources Information Camrosa Water District Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project

South Central Coastal Information Center, CSU Fullerton, California Historical Resources Information System: SCCIC File # 22275.8427, dated April 22, 2021.

- There have been four cultural resource reports/studies conducted within the Project APE.
- There have been nine cultural resource studies conducted within the one-half mile radius outside of the Project APE.
- There are three archaeological resources recorded within the Project radius area, however these resources will not be disturbed by project activities.
- There are no recorded cultural resources within the project area or radius that are listed in the National Register of Historic Places, the California Register of Historical Resources, the California Points of Historical Interest, California Inventory of Historic Resources, or the California State Historic Landmarks.

Native American Heritage Commission (NAHC): Sacred Lands File & Native American Contacts List Request, dated March 24, 2021.

- A Record Search of the NAHC Sacred Lands File was completed for the Area of Potential Effect (APE) with negative results.
- A list of nine tribal contacts was provided, and letters to the nine tribal contacts were then mailed out April 15, 2021.
- One response from the Santa Ynez Band of Chumash Indians was received May 20, 2021, and stated no further consultation was necessary.
- No additional responses or additional cultural information were received by Camrosa Water District.

AB 52 Consultation pursuant to Public Resource Code Section 21080.3.1

- Camrosa Water District has received a letter from the Coastal Band of the Chumash Nation Tribe.
- A Tribal Consultation Notification Request Letter was sent out by Camrosa Water District via certified mail dated April 14, 2021.
- No correspondence has been received by Camrosa Water District pursuant to the Tribal Consultation Notification Request Letter.

South Central Coastal Information Center

California State University, Fullerton Department of Anthropology MH-426 800 North State College Boulevard Fullerton, CA 92834-6846 657.278.5395

California Historical Resources Information System

Los Angeles, Orange, Ventura and San Bernardino Counties sccic@fullerton.edu

4/22/2021 SCCIC File #: 22275.8427

Jacqueline C. Lancaster Provost & Pritchard Consulting Group 130 N. Garden St. Visalia CA 93291

Re: Records Search Results for the Camrosa Water District Granular Activated Carbon (GAC) Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Newbury Park, CA USGS 7.5' quadrangle. The following summary reflects the results of the records search for the project area and a ½-mile radius. The search includes a review of all recorded archaeological and built-environment resources as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest (SPHI), the California Historical Landmarks (SHL), the California Register of Historical Resources (CAL REG), the National Register of Historic Places (NRHP), and the California State Built Environment Resources Directory (BERD) listings were reviewed for the above referenced project site and a ¼-mile radius. Due to the sensitive nature of cultural resources, archaeological site locations are not released.

RECORDS SEARCH RESULTS SUMMARY

Archaeological Resources*	Within project area: 0	
(*see Recommendations section)	Within project radius: 3	
Built-Environment Resources	Within project area: 0	
	Within project radius: 1	
Reports and Studies	ports and Studies Within project area: 4	
	Within project radius: 9	
OHP Built Environment Resources	s Within project area: 0	
Directory (BERD) 2019		
California Points of Historical	Alifornia Points of Historical Within project area: 0	
Interest (SPHI) 2019	terest (SPHI) 2019 Within ¼-mile radius: 0	
California Historical Landmarks Within project area: 0		
(SHL) 2019	Within ¼-mile radius: 0	
California Register of Historical	Historical Within project area: 0	
Resources (CAL REG) 2019	Within ¼-mile radius: 0	
National Register of Historic Places	Register of Historic Places Within project area: 0	
(NRHP) 2019	Within ¼-mile radius: 0	

Archaeological Determinations of	Within project area: 0
Eligibility (ADOE): 2012	Within project radius: 0

HISTORIC MAP REVIEW - Triunfo Pass, CA (1921, 1943) historic USGS maps indicate that in 1921 there was one improved road and one unimproved road present. The Arroyo Santa Rosa ran just south of the project area. In 1943, there was one more unimproved road and 8 buildings present. All other features mentioned above were still present.

RECOMMENDATIONS

*When we report that no archaeological resources are recorded in your project area or within a specified radius around the project area; that does not necessarily mean that nothing is there. It may simply mean that the area has not been studied and/or that no information regarding the archaeological sensitivity of the property has been filed at this office. The reported records search result does not preclude the possibility that surface or buried artifacts might be found during a survey of the property or ground-disturbing activities.

While there are currently no recorded archaeological sites within the project area, buried resources could potentially be unearthed during project activities. Therefore, customary caution and a halt-work condition should be in place for all ground-disturbing activities. In the event that any evidence of cultural resources is discovered, all work within the vicinity of the find should stop until a qualified archaeological consultant can assess the find and make recommendations. Excavation of potential cultural resources should not be attempted by project personnel. It is also recommended that the Native American Heritage Commission be consulted to identify if any additional traditional cultural properties or other sacred sites are known to be in the area. The NAHC may also refer you to local tribes with particular knowledge of potential sensitivity. The NAHC and local tribes may offer additional recommendations to what is provided here and may request an archaeological monitor.

For your convenience, you may find a professional consultant**at www.chrisinfo.org. Any resulting reports by the qualified consultant should be submitted to the South Central Coastal Information Center as soon as possible.

**The SCCIC does not endorse any particular consultant and makes no claims about the qualifications of any person listed. Each consultant on this list self-reports that they meet current professional standards.

If you have any questions regarding the results presented herein, please contact the office at 657.278.5395 Monday through Thursday 9:00 am to 3:30 pm. Should you require any additional information for the above referenced project, reference the SCCIC number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System,

Michelle Galaz Assistant Coordinator Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the California Historical Resources Information System (CHRIS) Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.



NATIVE AMERICAN HERITAGE COMMISSION

March 24, 2021

CHAIRPERSON Laura Miranda Luiseño Jackie Lancaster Provost & Pritchard

Via Email to: <u>ilancaster@ppeng.com</u>

VICE CHAIRPERSON Reginald Pagaling Chumash

Re: Camrosa Water District GAC Design Project, Ventura County

SECRETARY

Merri Lopez-Keifer

Luiseño

Dear Ms. Lancaster:

Parliamentarian Russell Attebery Karuk A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were <u>negative</u>. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

COMMISSIONER
William Mungary
Paiute/White Mountain
Apache

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

COMMISSIONER
Julie TumamaitStenslie
Chumash

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

COMMISSIONER
[Vacant]

If you have any questions or need additional information, please contact me at my email address: Sarah.Fonseca@nahc.ca.gov.

COMMISSIONER
[Vacant]

Sincerely,

Commissioner [Vacant]

EXECUTIVE SECRETARY
Christina Snider
Pomo

Sarah Fonseca
Cultural Resources Analyst

NAHC HEADQUARTERS

1550 Harbor Boulevard Suite 100 West Sacramento, California 95691 (916) 373-3710 nahc@nahc.ca.gov NAHC.ca.gov

Attachment

Native American Heritage Commission Native American Contact List Ventura County 3/24/2021

Chumash

Chumash

Chumash

Chumash

Chumash

Chumash

the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

Barbareno/ Ventureno Band of Mission Indians

Annette Ayala,

188 S. Santa Rosa Street

Ventura, CA, 93001

Phone: (805) 515 - 9844 annetteayala@yahoo.com

Barbareno/ Ventureno Band of

Mission Indians Patrick Tumamait,

992 El Camino Corto Oiai. CA. 93023

Phone: (805) 216 - 1253

Barbareno/ Ventureno Band of Mission Indians

Brenda Guzman,

58 N. Ann Street, #8

Ventura, CA, 93001 Phone: (209) 601 - 4676 brendamguzman@gmail.com

Barbareno/Ventureno Band of

Mission Indians

Julie Tumamait-Stenslie, Chairperson

365 North Poli Ave

Ojai, CA, 93023

Phone: (805) 646 - 6214 jtumamait@hotmail.com

Chumash Council of Bakersfield

Julio Quair, Chairperson 729 Texas Street

Bakersfield, CA, 93307

Phone: (661) 322 - 0121

chumashtribe@sbcglobal.net

Coastal Band of the Chumash Nation

Mariza Sullivan, Chairperson P. O. Box 4464

Santa Barbara, CA, 93140

Phone: (805) 665 - 0486

cbcntribalchair@gmail.com

Northern Chumash Tribal

Los Osos, CA, 93412

fcollins@northernchumash.org

San Luis Obispo County Chumash Council

Mark Vigil, Chief

1030 Ritchie Road

Grover Beach, CA, 93433

Phone: (805) 481 - 2461 Fax: (805) 474-4729

Santa Ynez Band of Chumash Indians

Kenneth Kahn, Chairperson

P.O. Box 517

Santa Ynez, CA, 93460 Phone: (805) 688 - 7997

Fax: (805) 686-9578

kkahn@santaynezchumash.org

Council

Fred Collins, Spokesperson

P.O. Box 6533

Phone: (805) 801 - 0347

Chumash

Chumash

Chumash

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Camrosa Water District GAC Design Project, Ventura County.



www.ppeng.com

April 14, 2021

Barbareno/Ventureno Band of Mission Indians Annette Ayala, 188 S. Santa Rosa Street Ventura, CA, 93001

RE: Camrosa Water District GAC Treatment Project

Dear Ms. Ayala:

Provost and Pritchard Consulting Group, is providing cultural resources services in support of the Camrosa Water District GAC Treatment Project.

CWD operates potable, non-potable, and recycled water supply systems in a 31-square-mile service area in southern Ventura County, California. The potable water system serves approximately 35,000 people and delivers more than 6,000 acre-feet of water each year through approximately 8,500 service connections in portions of the Cities of Camarillo, Moorpark, and Thousand Oaks, as well as unincorporated Ventura County. CWD's system is regulated by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) as a community water system.

The synthetic organic chemical 1,2,3,-trichloropropane (TCP) has been detected at concentrations higher than the regulatory maximum contaminant level (MCL) at three of CWD's potable water supply wells and in trace amounts at a fourth. The wells were removed from service and will remain offline until a water treatment system is built. CWD has determined to move forward with a centralized 2,350 gallon-per-minute (gpm) granular activated carbon (GAC) treatment plant to remove TCP from the Conejo 2, Conejo 3, Conejo 4, and the Santa Rosa 8 wells.

Granular activated carbon is commonly employed as an adsorption media in many water treatment plants and is the industry standard for the treatment of TCP. Water is extracted by the well and treated by filtering it through a series of vessels filled with GAC to remove contaminants. The CWD GAC project requires three 12-foot-diameter vessel pairs for the GAC medium, a new treated-water tank, a backwash tank, a detention basin, and other associated appurtenances. Because the carbon will be periodically replenished, the facility will be paved to allow vehicle clearance.

The plant will be capable of treating any combination of the wells at a combined flow rate of 500 - 2,350 gpm to accommodate the diurnal demand range. Average treated water production is expected to be approximately 55 million gallons a month.

Provost and Pritchard Consulting Group has requested a records search of the California Historic Resources Information System from the Southern San Joaquin Valley Information Center to identify any cultural resources within or adjacent to the Project Area. A search of the Native American Heritage Commission (NAHC) Sacred Lands File was completed with negative results. The NAHC provided your name and address as a tribal contact that is culturally affiliated to the project area. If you have any information that you wish to share, or have questions or would like more information about the project, please do not hesitate to contact me by phone (559) 636-1166, email (jlancaster@ppeng.com), or send a letter to my attention. I would appreciate any information you might provide to assist us with our inventory efforts.

Be assured that any locations of archaeological sites, cemeteries, or sacred places will be treated confidentially, as required by law, and not disclosed in any document available to the general public.

Sincerely, Jacqueline Lancaster



www.ppeng.com

April 14, 2021

Barbareno/Ventureno Band of Mission Indians Patrick Tumamait, 992 El Camino Corto Ojai, CA, 93023

RE: Camrosa Water District GAC Treatment Project

Dear Mr. Tumamait:

Provost and Pritchard Consulting Group, is providing cultural resources services in support of the Camrosa Water District GAC Treatment Project.

CWD operates potable, non-potable, and recycled water supply systems in a 31-square-mile service area in southern Ventura County, California. The potable water system serves approximately 35,000 people and delivers more than 6,000 acre-feet of water each year through approximately 8,500 service connections in portions of the Cities of Camarillo, Moorpark, and Thousand Oaks, as well as unincorporated Ventura County. CWD's system is regulated by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) as a community water system.

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The plant will be capable of treating any combination of the wells at a combined flow rate of 500 - 2,350 gpm to accommodate the diurnal demand range. Average treated water production is expected to be approximately 55 million gallons a month.

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Sincerely, Jacqueline Lancaster



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April 14, 2021

Barbareno/Ventureno Band of Mission Indians Brenda Guzman, 58 N. Ann Street, #8 Ventura. CA. 93001

RE: Camrosa Water District GAC Treatment Project

Dear Ms. Guzman:

Provost and Pritchard Consulting Group, is providing cultural resources services in support of the Camrosa Water District GAC Treatment Project.

CWD operates potable, non-potable, and recycled water supply systems in a 31-square-mile service area in southern Ventura County, California. The potable water system serves approximately 35,000 people and delivers more than 6,000 acre-feet of water each year through approximately 8,500 service connections in portions of the Cities of Camarillo, Moorpark, and Thousand Oaks, as well as unincorporated Ventura County. CWD's system is regulated by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) as a community water system.

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The plant will be capable of treating any combination of the wells at a combined flow rate of 500 - 2,350 gpm to accommodate the diurnal demand range. Average treated water production is expected to be approximately 55 million gallons a month.

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Sincerely, Jacqueline Lancaster



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April 14, 2021

Barbareno/Ventureno Band of Mission Indians Julie Tumamait-Stenslie, Chairperson 365 North Poli Ave Ojai, CA, 93023

RE: Camrosa Water District GAC Treatment Project

Dear Ms. Tumamait-Stenslie:

Provost and Pritchard Consulting Group, is providing cultural resources services in support of the Camrosa Water District GAC Treatment Project.

CWD operates potable, non-potable, and recycled water supply systems in a 31-square-mile service area in southern Ventura County, California. The potable water system serves approximately 35,000 people and delivers more than 6,000 acre-feet of water each year through approximately 8,500 service connections in portions of the Cities of Camarillo, Moorpark, and Thousand Oaks, as well as unincorporated Ventura County. CWD's system is regulated by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) as a community water system.

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The plant will be capable of treating any combination of the wells at a combined flow rate of 500 - 2,350 gpm to accommodate the diurnal demand range. Average treated water production is expected to be approximately 55 million gallons a month.

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Sincerely, Jacqueline Lancaster



www.ppeng.com

April 14, 2021

Chumash Council of Bakersfield Julio Quair, Chairperson 729 Texas Street Bakersfield, CA, 93307

RE: Camrosa Water District GAC Treatment Project

Dear Ms. Tumamait-Stenslie:

Provost and Pritchard Consulting Group, is providing cultural resources services in support of the Camrosa Water District GAC Treatment Project.

CWD operates potable, non-potable, and recycled water supply systems in a 31-square-mile service area in southern Ventura County, California. The potable water system serves approximately 35,000 people and delivers more than 6,000 acre-feet of water each year through approximately 8,500 service connections in portions of the Cities of Camarillo, Moorpark, and Thousand Oaks, as well as unincorporated Ventura County. CWD's system is regulated by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) as a community water system.

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Sincerely, Jacqueline Lancaster



www.ppeng.com

April 14, 2021

Northern Chumash Tribal Council Fred Collins, Spokesperson P.O. Box 6533 Los Osos, CA, 93412

RE: Camrosa Water District GAC Treatment Project

Dear Mr. Collins:

Provost and Pritchard Consulting Group, is providing cultural resources services in support of the Camrosa Water District GAC Treatment Project.

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Sincerely, Jacqueline Lancaster



www.ppeng.com

April 14, 2021

Santa Ynez Band of Chumash Indians Kenneth Kahn, Chairperson P.O. Box 517 Santa Ynez, CA, 93460

RE: Camrosa Water District GAC Treatment Project

Dear Mr. Kahn:

Provost and Pritchard Consulting Group, is providing cultural resources services in support of the Camrosa Water District GAC Treatment Project.

CWD operates potable, non-potable, and recycled water supply systems in a 31-square-mile service area in southern Ventura County, California. The potable water system serves approximately 35,000 people and delivers more than 6,000 acre-feet of water each year through approximately 8,500 service connections in portions of the Cities of Camarillo, Moorpark, and Thousand Oaks, as well as unincorporated Ventura County. CWD's system is regulated by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) as a community water system.

The synthetic organic chemical 1,2,3,-trichloropropane (TCP) has been detected at concentrations higher than the regulatory maximum contaminant level (MCL) at three of CWD's potable water supply wells and in trace amounts at a fourth. The wells were removed from service and will remain offline until a water treatment system is built. CWD has determined to move forward with a centralized 2,350 gallon-per-minute (gpm) granular activated carbon (GAC) treatment plant to remove TCP from the Conejo 2, Conejo 3, Conejo 4, and the Santa Rosa 8 wells.

Granular activated carbon is commonly employed as an adsorption media in many water treatment plants and is the industry standard for the treatment of TCP. Water is extracted by the well and treated by filtering it through a series of vessels filled with GAC to remove contaminants. The CWD GAC project requires three 12-foot-diameter vessel pairs for the GAC medium, a new treated-water tank, a backwash tank, a detention basin, and other associated appurtenances. Because the carbon will be periodically replenished, the facility will be paved to allow vehicle clearance.

The plant will be capable of treating any combination of the wells at a combined flow rate of 500 - 2,350 gpm to accommodate the diurnal demand range. Average treated water production is expected to be approximately 55 million gallons a month.

Provost and Pritchard Consulting Group has requested a records search of the California Historic Resources Information System from the Southern San Joaquin Valley Information Center to identify any cultural resources within or adjacent to the Project Area. A search of the Native American Heritage Commission (NAHC) Sacred Lands File was completed with negative results. The NAHC provided your name and address as a tribal contact that is culturally affiliated to the project area. If you have any information that you wish to share, or have questions or would like more information about the project, please do not hesitate to contact me by phone (559) 636-1166, email (jlancaster@ppeng.com), or send a letter to my attention. I would appreciate any information you might provide to assist us with our inventory efforts.

Be assured that any locations of archaeological sites, cemeteries, or sacred places will be treated confidentially, as required by law, and not disclosed in any document available to the general public.

Sincerely, Jacqueline Lancaster



www.ppeng.com

April 14, 2021

San Luis Obispo County Chumash Council Mark Vigil, Chief 1030 Ritchie Road Grover Beach, CA, 93433

RE: Camrosa Water District GAC Treatment Project

Dear Mr. Vigil:

Provost and Pritchard Consulting Group, is providing cultural resources services in support of the Camrosa Water District GAC Treatment Project.

CWD operates potable, non-potable, and recycled water supply systems in a 31-square-mile service area in southern Ventura County, California. The potable water system serves approximately 35,000 people and delivers more than 6,000 acre-feet of water each year through approximately 8,500 service connections in portions of the Cities of Camarillo, Moorpark, and Thousand Oaks, as well as unincorporated Ventura County. CWD's system is regulated by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) as a community water system.

The synthetic organic chemical 1,2,3,-trichloropropane (TCP) has been detected at concentrations higher than the regulatory maximum contaminant level (MCL) at three of CWD's potable water supply wells and in trace amounts at a fourth. The wells were removed from service and will remain offline until a water treatment system is built. CWD has determined to move forward with a centralized 2,350 gallon-per-minute (gpm) granular activated carbon (GAC) treatment plant to remove TCP from the Conejo 2, Conejo 3, Conejo 4, and the Santa Rosa 8 wells.

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The plant will be capable of treating any combination of the wells at a combined flow rate of 500 - 2,350 gpm to accommodate the diurnal demand range. Average treated water production is expected to be approximately 55 million gallons a month.

Provost and Pritchard Consulting Group has requested a records search of the California Historic Resources Information System from the Southern San Joaquin Valley Information Center to identify any cultural resources within or adjacent to the Project Area. A search of the Native American Heritage Commission (NAHC) Sacred Lands File was completed with negative results. The NAHC provided your name and address as a tribal contact that is culturally affiliated to the project area. If you have any information that you wish to share, or have questions or would like more information about the project, please do not hesitate to contact me by phone (559) 636-1166, email (jlancaster@ppeng.com), or send a letter to my attention. I would appreciate any information you might provide to assist us with our inventory efforts.

Be assured that any locations of archaeological sites, cemeteries, or sacred places will be treated confidentially, as required by law, and not disclosed in any document available to the general public.

Sincerely, Jacqueline Lancaster



April 14, 2021

Coastal Band of the Chumash Nation Mariza Sullivan, Chairperson P.O Box 4464 Santa Barbara, CA 93140

Dear Chair Sullivan:

Board of Directors
AI E. Fox
Division 1
Jeffrey C. Brown
Division 2
Timothy H. Hoag
Division 3
Eugene F. West
Division 4
Terry L. Foreman
Division 5

General Manager Tony L. Stafford

Assembly Bill 52 (AB 52, Gatto 2015) requires that CEQA lead agencies must provide formal notification to California Native American tribal organizations who have filed a letter with a Lead Agency requesting such notification. The Chumash Nation has requested such notification from Camrosa Water District (CWD), and this letter serves as our notification of a proposed project. Below is a brief description of the proposed project and its location, as well as my contact information as the Lead Agency representative. If your tribal organization wishes to consult with CWD regarding the GAC treatment project, we invite you to so state in a written response to CWD, at my attention, within 60 days of receipt of this letter.

CWD operates potable, non-potable, and recycled water supply systems in a 31-square-mile service area in southern Ventura County, California. The potable water system serves approximately 35,000 people and delivers more than 6,000 acre-feet of water each year through approximately 8,500 service connections in portions of the Cities of Camarillo, Moorpark, and Thousand Oaks, as well as unincorporated Ventura County. CWD's system is regulated by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) as a community water system.

The synthetic organic chemical 1,2,3,-trichloropropane (TCP) has been detected at concentrations higher than the regulatory maximum contaminant level (MCL) at three of CWD's potable water supply wells and in trace amounts at a fourth. The wells were removed from service and will remain offline until a water treatment system is built. CWD has determined to move forward with a centralized 2,350 gallon-per-minute (gpm) granular activated carbon (GAC) treatment plant to remove TCP from the Conejo 2, Conejo 3, Conejo 4, and the Santa Rosa 8 wells.

Granular activated carbon is commonly employed as an adsorption media in many water treatment plants and is the industry standard for the treatment of TCP. Water is extracted by the well and treated by filtering it through a series of vessels filled with GAC to remove contaminants. The CWD GAC project requires three 12-foot-diameter vessel pairs for the GAC medium, a new treated-water tank, a backwash tank, a detention basin, and other associated appurtenances. Because the carbon will be periodically replenished, the facility will be paved to allow vehicle clearance.

The plant will be capable of treating any combination of the wells at a combined flow rate of 500 - 2,350 gpm to accommodate the diurnal demand range. Average treated water production is expected to be approximately 55 million gallons a month.

On behalf of CWD, Provost and Pritchard Consulting Group has requested a records search of the California Historic Resources Information System (CHRIS) from the South Central Coastal Information Center to identify any cultural resources within or adjacent to the Project Area. A search of the Native American Heritage Commission (NAHC) Sacred Lands File has also been requested. A response from NAHC was received on March 24, 2021 and the results were negative. A response from the South Central Coastal Information Center has not been received as of the date of this letter.

Be assured that any locations of archaeological sites, cemeteries, or sacred places will be treated confidentially, as required by law, and not disclosed in any document available to the general public.

If your tribal organization is interested in consulting on this project, within 60 days please contact me at lanP@camrosa.com or 805.256.0949.

Sincerely,

Ian Prichard, Assistant General Manager



Board Memorandum

Jeffrey C. Brown Division 2 Timothy H. Hoag

Al E. Fox Division 1

Division 3
Eugene F. West
Division 4

Board of Directors

Terry L. Foreman Division 5 General Manager Tony L. Stafford

October 14, 2021

To: Board of Directors

From: Ian Prichard, Assistant General Manager

Subject: GAC Mitigation Monitoring and Reporting Program

Objective: Implement the Mitigation Monitoring and Reporting Program (MMRP) for the Conejo Wellfield Granular Activated (GAC) Treatment Plant Project.

Action Required: Approve the change in scope to Provost & Pritchard's existing work to include the MMRP.

Discussion: Provost & Pritchard, the firm that is designing the GAC treatment plant at the Conejo Wellfield, also completed the Initial Study/Mitigated Negative Declaration (IS/MND) for the project to comply with the California Environmental Quality Act. The IS/MND describes a Mitigation Monitoring and Reporting Program for the recommended mitigation of the project's environmental effects. MMRP compliance is required as a condition of approval for the project and must be carried out and documented prior to and throughout construction activities.

Attached is Provost & Pritchard's proposal for providing construction implementation compliance with the MMRP. They can do so within the original budget provided for environmental work, requiring only a change in scope to the agreement, not to price. The Scope Change is attached for review.

Staff recommends approving the change in scope to engage P&P to provide MMRP services.



130 N. Garden Street Visalia, CA 93291-6362 Tel: (559) 636-1166 Fax: (559) 636-1177

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Scope & Budget Change/Phase Amendment

Subject:	Contract Amendment No.3 to Agreement 2020-86, Environmental Compliance Services for the Conejo GAC Treatment Project, Ventura County, California		
From:	Dena Giacomini	Date:	October 1, 2021
To:	Ian Prichard, Camrosa Water District	Email:	lanP@camrosa.com

Provost & Pritchard was asked to expand our scope of services to include payment of the California Department of Fish and Wildlife (CDFW) environmental document filing fee and to provide construction implementation compliance with the CEQA SCH# 2021080219 Mitigation Monitoring and Reporting Program (MMRP). The MMRP compliance is required as a condition of approval for the Project and must be carried out and documented prior to and throughout construction activities.

A proposed scope of work is submitted for Provost & Pritchard Consulting Group to incorporate these changes.

Engineering Services for 1,2,3-TCP Treatment, Job No. 2958-20-002 Phase CDFW

 CDFW imposes and collects an environmental document filing fee in the amount of \$2,480.25 to defray the costs of managing and protecting fish and wildlife resources including reviewing environmental documents such as the Project's Initial Study/Mitigated Negative Declaration (IS/MND). This fee was not included in the original scope and fee dated February 25, 2021 (2020-86 Amendment #2). Per a recent conversation, we were asked to provide and submit CDFW fees as part of the IS/MND process.

Deliverable:

Submit a check in the amount of \$2,480.25 to the CDFW for the Project IS/MND.

Phase MMRP

 Provide compliance with the CEQA MMRP on a quarterly basis (up to 4 times – one full year) to meet the requirements adopted by the District and found in the Conejo Wellfield Granular Activated Carbon Treatment Project CEQA document.

Deliverables

One (1) electronic copy of the MMRP to be updated quarterly for one year (4 times in total).

- Pre-construction Nesting Bird Survey
 - In accordance with adopted Mitigation Measures BIO-1b and BIO-1c of the Initial Study/Mitigated Negative Declaration for the Project, if construction is scheduled to occur within nesting bird season (Feb. 1 through Sep. 15), a pre-construction survey

for nesting birds will be conducted by a qualified biologist within 10 days prior to the start of construction. The survey shall include the entire work area and surrounding lands within 50 feet. All raptor nests will be considered "active" upon the nest-building stage. On discovery of any active nests near the work areas, the biologist shall determine appropriate construction setback distances based on applicable CDFW and/or USFW guidelines for the species observed.

o In accordance with adopted Mitigation Measure BIO-1d of the Initial Study/Mitigated Negative Declaration for the Project, on discovery of any California Gnatcatcher or Least bell's Vireo individuals during the pre-construction survey, appropriate survey guidelines documents will be consulted to determine appropriate setbacks and agency consultation, if necessary.

Deliverable:

One (1) electronic copy of pre-construction summary memorandum for nesting birds with avoidance measures, if required.

- Phase WEAP (Worker Environmental Awareness Program)
 - Negative Declaration for the Conejo Wellfield Granular Activated Carbon Water Treatment Plant Project, if any special status birds are identified during the preconstruction survey or during construction activities, all personnel associated with Project construction shall attend mandatory Worker Environmental Awareness Program (WEAP) training, conducted by a qualified biologist. The specifics of this program shall include identification of the special status species and suitable habitats, a description of the regulatory status and general ecological characteristics of the species, and review of the limits of construction and mitigation measures required to reduce impacts to biological resources within the work area. A fact sheet conveying this information, along with photographs or illustrations of the special status species, shall also be prepared for distribution to all contractors, their employees, and all other personnel involved with construction of the Project. All employees shall sign a form documenting that they have attended WEAP training and understand the information presented to them.

Deliverable:

Fifteen (15) hard copy sheets and one (1) electronic copy of training materials and completed sign-in log sheet.

 Cultural Resources MMRP Note: Although not anticipated, upon discovery of cultural resources during Project ground disturbing activities, an additional scope and fee will be provided as an amendment to this proposal to provide a cultural monitor to identify and process finds and meet the MMRP requirements.

Proposed Phase and Budget Adjustments

The budget under Amendment #2 was for \$58,200. It was determined that this scope was not fully utilized as it was initially scoped for a CEQA Focused Environmental Impact Report, whereas an Initial Study/Mitigated Negative Declaration was the appropriate document for this Project; therefore, it is proposed that some of the remaining funds from Phase ENV dated March 1, 2021, be reallocated to Phase CDFW and MMRP.

Phase Name	Current Budget	Revised Budget (Amendment 3)
Existing Phase ENV	\$58,200	\$48,199.75
Phase CDFW	\$0	\$2,480.25
Phase MMRP	\$0	\$7,520
Totals	\$58,200	\$58,200

Assumptions

- This proposal does not include focused surveys, handling of special status species, or documentation beyond what has been described in this scope of work.
- No archeological sites or architectural features or structures will be evaluated under this scope. If sites are deemed to be present during the investigation phase an amendment to this proposal may be required.
- This proposal assumes two site visits: one for the pre-construction survey and one for the WEAP training. If additional site visits are required, a revised scope and fee may be necessary.
- Coordination with property owners and site access will be arranged by the District.

Additional Services

The following services are not included in this proposal, however these and others can be provided at additional cost, upon request.

- Biological Construction Monitoring
- Consultation with CDFW and/or USFWS
- Preparation of construction permits, including a Dust Control Plan, a Stormwater Pollution Prevention Plan (SWPPP), Notice of Termination, and Final Annual Report in compliance with SWRCB Construction General Permit
- Construction observation and monitoring services.

Terms & Conditions

Work on this project will be conducted under the terms and conditions of our Consultant Service Agreement dated September 30, 2020. Please sign and date and return to Dena Giacomini at Provost & Pritchard Consulting Group by emailing dgiacomini@ppeng.com.

Client: Camrosa Water District	Provost & Pritchard Engineering Group, Inc. dba Provost & Pritchard Consulting Group		
By:	By: Has Mars		
Name/Title: Tony Stafford General Manager	Name/Title: Keith Mortensen Vice President		
Date Signed:	Date Signed: October 1, 2021		



Board Memorandum

Division 1
Jeffrey C. Brown
Division 2
Timothy H. Hoag

Al E. Fox

Board of Directors

Division 3
Eugene F. West
Division 4
Terry L. Foreman

Division 5
General Manager
Tony L. Stafford

October 14, 2021

To:

General Manager

From:

Tamara Sexton, Finance Manager

Subject:

Ratification of UAL Additional Discretionary Payment

Objective: Ratify UAL Additional Discretionary Payment (ADP).

Action Required: Ratify the UAL Additional Discretionary Payment (ADP) in the amount of \$138,684.00.

Discussion: Based on the June 30, 2019, actuarial report, the District made an ADP in the amount of \$138,864.00 to pay down the CalPERS Unfunded Accrued Liability (UAL) in full. There is a line item in the FY2021/22 budget for ADPs and the payment was within the budget, but by policy, ADPs are at the discretion of the Board and are to be preapproved by the Board. Prior approval did not take place in this instance. Staff will brief the Board on the existing internal controls and changes that are being implemented to ensure all future ADPs have prior Board approval.



Board Memorandum

Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West

Al E. Fox Division 1

Board of Directors

Division 4
Terry L. Foreman
Division 5

General Manager Tony L. Stafford

October 14, 2021

To: General Manager

From: Tamara Sexton, Manager of Finance

Subject: Pension Funding Policy

Objective: Update the Pension Funding Policy.

Action Required: Adopt a Resolution of the Board of Directors Updating the Pension Funding Policy.

Discussion: The board adopted a Pension Funding Policy on January 14, 2021. The policy is intended to provide guidance and strategies to current and future Directors for addressing the District's retirement liabilities. The policy includes internal budgeting, policy directives, and financing mechanisms.

The policy is being amended to implement internal controls for staff regarding procedures for additional discretionary payments.

CAMROSA WATER DISTRICT Pension Funding Policy

This policy is intended to provide guidance and strategies to current and future Board of Directors for addressing the District's retirement liabilities. The policy includes internal budgeting, policy directives, and financing mechanisms. Once adopted, specific and detailed pension funding practices will be developed by staff and the Board to manage the Districts pension obligation.

Background

The District has a history of being fiscally conservative and maintaining fiscally responsible management practices. The District recognizes the unfunded CalPERS liability could potentially cause financial stress and impact the District's operations and rates. As such, the District seeks to address its unfunded CalPERS liability in the most cost-efficient manner possible.

CalPERS Normal Costs represent the cost of pension benefits earned by current employees in the current fiscal year. Normal Costs are paid as a percentage of the District's payroll. Unfunded Accrued Liability ("UAL") represents the shortfall in assets needed to fully fund prior benefits earned by employees and retirees, which occurs for a variety of reasons. UAL payments are a dollar amount adjusted annually by CalPERS.

Annual Review

Addressing retirement costs is a dynamic process. CalPERS makes regular adjustments to the District's Normal Costs and UAL due to changes in investment performance, employee/retiree events, benefit levels, and actuarial assumptions. These changes will require multi-year financial planning and for the District to make corresponding budgetary adjustments. The District will therefore evaluate its pension liabilities each year.

After the release of the most current CalPERS actuarial report, staff will present a summary of the plan's funding status. This information will be presented during a public Board meeting, which will include a summary of funding status, funding progress compared to prior years, as well as any recommended actions and/or budget adjustments.

Target Funding Level

The District paid off its entire UAL from available reserves in the amount of \$4,996,392 in March 2020. The District will seek to maintain a fully funded pension fund.

CAMROSA WATER DISTRICT Pension Funding Policy

Allocation of Additional Resources / ADPs

The District seeks to maintain adequate levels of reserves in accordance with its stated reserve goals and adopted reserve policies. The District will implement a Pension Liability Reserve Fund to manage the ongoing CalPERS UAL. The District will budget for the anticipated UAL as a specific line item in the annual budget and reserve worksheet.

Targeting Strategies

At the discretion of the Board, the District may apply Additional Discretionary Payments (ADPs) toward the Amortization Bases with the longest remaining term (maturity) to maximize interest costs savings. Should the District seek to optimize budgetary (cash flow) impact, it may seek to apply these monies toward the Amortization Bases with the shortest term.

All pre-funding decisions will require detailed financial analysis to be performed; and will include proper documentation of the analysis, methodology, and decision-making process.

STRATEGIES

The District has several different financing strategies available to address its pension liabilities. In addition to establishing a specific Pension Liability Reserve Fund, it could utilize one or more of the following strategies:

- **1. 115 Trust** –. The District may seek to invest monies in a 115 Trust, to allow the District to match the investment options more closely to the pension liabilities.
- 2. Use of Reserves and One-Time Monies The District maintains reserves comprised of unrestricted and restricted reserves. The District's Reserve Policy is to maintain target levels in unrestricted reserves towards the potable, non-potable, and wastewater operation and emergency reserves, rate stabilization fund, and capital replacement funds. The District may apply monies from its reserves to prepay and/or payoff its UAL with CalPERS. If monies are taken from these reserves, then the pension Liability Fund contribution may be increased through amortizing the removed funds and repayment to the respective reserve fund. Repayment to the respective reserve funds from where monies to fund the prepayment are taken will come from net operating results.
- 3. Salary/Benefit Cost Containment During consideration of employee raises, District staff will take into consideration the impact of any raises on employee contribution levels to the Normal CalPERS costs and the UAL. During each budget cycle, District

CAMROSA WATER DISTRICT Pension Funding Policy

staff will perform a financial analysis of the proposed salary /benefit increases on the District's Pension Costs. This information will be presented to the Board of Directors for their consideration. Additionally, consideration may be given to requiring employees to pay a portion or all the Required Employee Contribution Rate that Camrosa currently pays on behalf of employees.

CalPERS assumes that wages will increase by 2.75%, on average, over time. This measure should serve as a benchmark for analysis. Any analysis should not measure salary/wage growth on an individual year, but rather over a long-term basis.

4. Tax-Exempt Exchange – The District has a history of funding capital projects through a pay-as-you-go method. To the extent the District has pay-as-you-go capital projects and where it is financially feasible to finance, the District may seek to finance such projects with tax-exempt bonds or other financing methods and use the capital project's budgeted amounts for Additional Discretionary Payments. If monies are taken from reserves, then the pension Liability Fund contributions may be increased through amortizing the removed funds and repayment to the respective reserve fund.

Internal Controls

<u>District</u> staff shall establish internal controls documenting the procedures for any additional discretionary payments towards the UAL as follows:

- 1. Staff will present the yearly actuarial report to the Board.
- 2. Board must approve all ADPs.
- 3. Upon Board approval, staff will initiate the ADP.
- 4. The Finance Manager and General Manager must review and approve the payment before submittal to CalPERS.

If approved, the District's Pension Funding Policy will be adopted by Resolution. The Policy is intended to serve as a living document, which will require periodic review and updates to consider changes in the District's UAL and financial position. Any amendments to this Policy will be made by Resolution.



Resolution No: 21-17

A Resolution of the Board of Directors of Camrosa Water District

Board of Directors

Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

Updating the Pension Funding Policy

Whereas, the Board of Directors deems it essential that Camrosa Water District establish fiscally responsible management practices; and

Whereas, the Board of Directors recognizes the CalPERS accrued unfunded liability could potentially cause financial stress and impact the District's operations and rates; and

Whereas, the Board of Directors seeks to address its unfunded CalPERS liability in the most cost-efficient manner possible; and

Whereas, it is the desire of the Board of Directors to establish a Pension Funding Policy to provide guidance and strategies for addressing the District's retirement liabilities; and

Whereas, the policy includes internal budgeting, policy directives and financing mechanisms for the Board of Directors and Staff to address the District's retirement liabilities; and

Whereas, it is in the best interests of the District to establish a written pension funding policy to serve as a living document, which will require periodic review and updates to take into account changes in the District's unfunded accrued liability and financial position; and

Whereas, the policy has been updated to implement internal controls for staff regarding procedures for additional discretionary payments;

Now, Therefore, Be It Resolved, by the Camrosa Water District Board of Directors, that the attached Pension Funding Policy is hereby incorporated into this resolution and adopted by the Board of Directors.

Adopted, Signed, and Approved this 14th day of October 2021.

Eugene F. West, President
Board of Directors
Camrosa Water District

Tony L. Stafford, Secretary
Board of Directors
Camrosa Water District



Board Memorandum

October 14, 2021

To: General Manager

From: Tamara Sexton, Finance Manager

Subject: Reserve Policy

Objective: Update the Reserve Fund Policy.

Action Required: Adopt a Resolution Adopting the Statement of Reserve Policy.

Discussion: The purpose of the Reserve Policy is to assure adequate reserves for ongoing needs while minimizing the need for new debt. The reserve levels established in the policy also help provide rate stabilization and ensure adequate fund levels to meet aging infrastructure replacements, unanticipated emergencies, and future expansion needs of the District. The policy was last revised in May 2019.

The District adopted a Pension Funding Policy in January 2021. Within this policy the District may use reserves and one-time monies to apply monies from its reserves to prepay and/or payoff its unfunded accrued liability (UAL). The Reserve Policy is being amended to reflect the Pension Funding Policy's reference to a UAL fund to set aside monies for future prepayments to CalPERS.

Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

Camrosa Water District Statement of Reserve Fund Policy

Purpose:

It is the intent of the Board to maintain adequate reserves for ongoing needs, to minimize the need for new debt financing for future capital projects and to maintain an affordable and stable rate structure. This statement is intended to provide guidelines for the maintenance of the financial reserves of the District. The ultimate goal of this statement is to identify the categories of reserves to be maintained, to establish the method for identifying the need for each category of reserves, to identify the sources of contribution to reserves, and to provide for periodic review of both reserve levels and this reserve policy.

Scope:

This reserve fund policy applies to all financial reserves of the District, as well as other funds that may be created from time to time which shall also be administered in accordance with the provisions of this policy. It includes reserves in the form of investments monitored and controlled by the Board as well as reserves held in trust in accordance with the covenants of specific debt issuance instruments.

Policy:

The budget for the District shall be prepared in a manner that assures adequate reserves for ongoing needs while minimizing the need for new debt. In particular, contributions to reserves shall be established at levels that will accumulate necessary funds to:

- establish sound formal fiscal reserve policies to ensure strong fiscal management to guide future District decisions;
- increase system capacity and accommodate growth;
- provide funding for current and future replacement of existing assets as they reach the end of their useful lives;
- meet unanticipated emergencies;
- help smooth rates from year-to-year, and to promote equity over the years to ratepayers; and
- meet the covenants of outstanding debt issues and other agreements.

All reserves must be identifiable to one of these purposes; reserves shall not be accumulated in excess of levels needed to satisfy these purposes. Reserves may, as deemed prudent by the Board, be used to satisfy more than one purpose.

Classification of Reserves:

Two primary classifications of reserves are established, each with several categories to earmark reserves for specific purposes identified in the policy above.

<u>Restricted Assets</u> There are three primary categories of restricted assets as follows:

- a. *Debt Covenant Reserves* are established in accordance with covenants of specific debt issuance instruments.
- b. Specific Agreement Reserves are established in accordance with agreements between the District and other agencies.
- c. *CIP Reserves* are funds earmarked for near-term expenditure under the approved Capital Improvement Plan (CIP) for the current fiscal year.

These reserves may only be used for the specific purposes outlined in the debt issuance instrument, the agreement with another agency or the annual CIP and may not be used to meet reserve levels required for other purposes.

<u>Designated Reserves</u> are established by the Board to meet purposes other than those identified to restricted assets. The categories of reserves that fall under this classification are:

- **a.** Capital Improvement Fund (CIF) Capital cost recovery fees collected from developers to obtain entitlement to existing water and wastewater capacity and to fund construction of capacity expansion are segregated in the CIF.
 - Applicable Funds: Potable, Non-Potable and Wastewater Capital Improvement Funds.
- **b.** Capital Replacement Fund (CRF) Funds are for both short-term and long-term purposes. The objective is to provide funds for the current and future replacement of existing capital assets as they reach their useful lives.
 - Applicable Funds: Potable, Non-Potable and Wastewater Capital Replacement Funds.
- c. Rate Stabilization Fund (RSF) Funds operate as a buffer to water and wastewater rates during any period where there is an unexpected increase in operating costs or decrease in revenues. For example, in the event of an unexpected rate increase from Calleguas/MWD and the District chooses not to pass the increase on to its customers immediately, this fund could cover the shortfall in revenue. In addition, in a severe drought or extremely wet conditions, it is reasonable to expect that water sales could fluctuate significantly. The Rate Stabilization Fund will absorb these types of fluctuations in operations and help stabilize rates. A secondary purpose is to assure minimum debt service coverage of the District's bond covenants. In calculating debt service coverage, contributions from the RSF will be treated as revenue.

Applicable Funds: Potable, Non-Potable and Wastewater Rate Stabilization Fund.

- **d.** Operating and Emergency Reserves (OER) Funds designated to provide financial flexibility in the day-to-day conduct of district business and to respond quickly to emergency situations that may pose threats to public health and the District's ability to sustain safe or reliable service.
 - Applicable Funds: Potable, Non-Potable and Wastewater Operating and Emergency Reserve Fund.
- e. Unfunded Accrued Liability (UAL) Funds are for both short-term and longterm purposes. The objective is to provide funds needed to fully fund accrued liabilities. UAL payments are a dollar amount adjusted annually by CalPERS.

<u>Applicable Funds: Potable, Non-Potable and Wastewater Operating Unfunded Accrued Liability Fund.</u>

The Board of Directors may review fund designations from time-to-time and establish new or eliminate established designated reserve funds as operational needs may dictate.

Sources of Funds:

The source of funds for each category of reserves varies. For Restricted Assets, the source of funds to meet bond covenants or terms of individual agreements is specified in the debt issuance instrument or agreement that mandated the establishment of a reserve. Use of the funds is limited as specified in the covenants of the agreement. Reserves earmarked for near-term expenditure under the approved Capital Improvement Plan (CIP) for the current fiscal year will be deducted from the appropriate Designated Reserve and established as a Restricted Asset.

In the case of Designated Reserves, contributions may come from several sources as follows:

- a. Capital Improvement Fund (CIF) Accumulated capital fees collected during property development to ensure adequate water and wastewater system capacity.
- b. Capital Replacement Fund (CRF) Contribution from net operating results.
- **c.** Rate Stabilization Fund (RSF) Contribution from net operating results from operations at the discretion of the Board to maintain the fund balance and to stabilize rates and meet the District's bond covenants.
- d. Operating and Emergency Reserves (OER) Contribution from net operating results after all other contributions to reserves have been made.
- **d.e. Unfunded Accrued Liability (UAL)** Contribution from net operating results or Capital Replacement Fund.

The contribution of revenues of the District to meet replacement needs is based upon expected replacement costs and expected remaining life of the various assets.

Expenditure of Reserves:

Expenditure of reserves is authorized as part of the annual budget process. Capital Replacement projects are individually authorized and may be designated either as Capital Improvement, Capital Replacement, Fixed Asset or a combination of, and funded from the appropriate reserve funds.

Prior to the expenditure of funds from any capital replacement fund, an analysis shall be conducted to determine if the asset has truly come to the end of its expected life and the asset is still required to meet the needs of District customers for the foreseeable future. In all cases, application of new technology should be considered to improve efficiency and economy of District operations.

Designated Reserves may also be used at the discretion of the Board to meet unanticipated financial needs such equipment failures, damage caused by natural disaster or other emergencies requiring funds beyond annual revenues. Funds contained in the Rate Stabilization Funds may be used to manage rates and rate increases and to offset sudden and unanticipated losses in revenue, such as reduced water and wastewater sales. These funds may be used to compensate for losses resulting from sudden increases in wholesale water rates and increases in water and wastewater operating costs and may be used to meet the minimum debt service coverage required in accordance with specific debt covenants. The contribution to and utilization of the Water and Wastewater Rate Stabilization Fund may be budgeted in the District's Annual Budget, or utilized in an unanticipated financial need.

Levels of Reserve Funds:

Adequate levels of reserves are critical to the successful and stable short- and long-term operation of the District. Sufficient reserve fund balances will ensure that customers experience both stable rates for service and the security that the District can respond to short-term emergencies. Sufficient reserves will provide the overall financial strength to the District to protect its bonding capacity and to finance and construct the infrastructure necessary to renew existing systems and expand service levels to meet future needs. Rates and fees should be maintained at a level to ensure the balance within the various reserve funds are sufficient to meet the specified needs for the reserve funds without generating funds surplus to the District's needs.

- a. Restricted Assets Reserves required by debt agreements and funds designated to fund the current year CIP will be maintained at 100% of level required by each reserve category. Funds in these reserve accounts will not be used to meet the required reserve fund balance for any other category of reserves.
- b. Capital Replacement (CRF) At the beginning of each budget year, each reserve fund balance should be a minimum of 5% of the projected capital asset replacement value to determine the target level for the Capital Replacement Reserves.
- c. Capital Improvement (CIF) The CIF is used for new development and is development driven as are the costs incurred; therefore, no minimum or maximum.

- d. Rate Stabilization Fund (RSF) This fund is used to stabilize rates in the event of short to mid-term rate revenue loss, and/or higher than anticipated operating expenses that cannot be supported by normal revenues. Rate Stabilization funds can be used to balance the budget. The scheduled target will be 10% of the prior year's rate revenue. Rate revenue is defined as revenue generated from the commodity charges only.
- e. Operating and Emergency Reserves (OER) The minimum target OER balance shall be the 45-Day average of operating expense budget (excluding wholesale water costs).
- e.f. Unfunded Accrued Liability (UAL) The target is to be 100% percent funded with a zero UAL balance. To attain 100% funding level the use of reserves may be set aside in the UAL fund to apply additional discretionary payments towards the liability.

Review:

An annual review of reserve levels is necessary during the budget preparation process to ensure proper levels of reserves are maintained. In addition, this reserve policy shall be reviewed by the Board on a biennial basis to ensure continued conformance with long-term Board strategy.



Resolution No: 21-18

A Resolution of the Board of Directors of Camrosa Water District

Board of Directors
AI E. Fox
Division 1
Jeffrey C. Brown
Division 2
Timothy H. Hoag
Division 3
Eugene F. West
Division 4
Terry L. Foreman
Division 5

General Manager Tony L. Stafford

Adopting a Statement of Reserve Policy

Whereas, the District collects capital fees from new developments for both water and wastewater service and deposits said fees into a reserve account for future expansion of the respective systems; and

Whereas, large capital outlays will be necessary in the future for replacement of portions of the water and wastewater infrastructure as they come to the end of their useful life; and

Whereas, it is in the best interests of the customers of Camrosa to fund future expansion and capital replacement while minimizing additional debt; and

Whereas, it is in the best interests of the customers of Camrosa to fund emergency repairs while maintaining a stable rate structure; and

Whereas, it is the intent of the Board of Directors to maintain adequate reserves for ongoing needs, to minimize the need for new debt financing for future capital projects, and to maintain an affordable and stable rate structure; and

Whereas, the policy is being amended to incorporate an Unfunded Accrued Liability fund (UAL) to set aside monies for future prepayments to CalPERS;

Now, Therefore, Be It Resolved, by the Camrosa Water District Board of Directors, that the attached Statement of Reserve Policy is adopted and made effective this date; and

Be It Further Resolved that contributions to reserves shall be established at levels that will accumulate necessary funds to:

- Increase system capacity and accommodate growth
- Replace assets of the District as required
- Meet unanticipated emergencies
- Stabilize rates and dampen the effects of one-time expenditures that may otherwise require an adjustment in the District rate structure
- Meet the covenants of outstanding debt issues and other agreements; and

Be It Further Resolved that this reserve fund policy supersedes any and all reserve fund policies and reserve levels specified previously in District policies.

Adopted, Signed, and Approved this 14th day of October 2021.

Eugene F. West, President
Board of Directors
Camrosa Water District

Tony L. Stafford, Secretary Board of Directors Camrosa Water District (ATTEST)



Board Memorandum

October 14, 2021

To:

General Manager

From:

Tamara Sexton, Finance Manager

Subject:

CalPERS Unfunded Accrued Liability

Objective: Receive a briefing regarding the CalPERS Annual Valuation Report as of June 30, 2020.

Action Required: No action necessary; for information only.

Discussion: In March 2020, the District paid \$4,996,392 to paydown the Districts Unfunded Accrued Liability (UAL). The prepayment is reflected in UAL balance in the most recent actuarial report dated June 30, 2020.

Last year, CalPERS added two new bases equal to approximately \$138,684. Given an investment return of 6.70% for the period ending June 30, 2019 - the addition to the UAL was small. The District made an additional discretionary payment (ADP) on July 14, 2021 equal to \$138,684: \$137,830 was applied toward the Classic Plan and \$854 toward PEPRA to fully pay the outstanding UAL. This ADP was a line item in the approved FY2021/22 Budget.

In August of 2021, CalPERS released the most recent actuarial report, dated June 30, 2020. This report incorporated a new base equal to \$474,851 for investment shortfall (4.70% return) as well as a new base equal to \$65,121 for demographic adjustments for Classic members and \$5,407 for PEPRA fresh start. The District's projected UAL for the upcoming fiscal year is equal to \$545,379.

CalPERS FY2020-21 reported 21.30% investment return for the period ending June 30, 2021. This excess return triggered an automatic reduction in the Discount Rate in accordance with CalPERS Funding Risk Mitigation Policy. Due to an excess investment return above 13%, CalPERS is required to reduce the Discount Rate by 0.20% (20 bps) from 7.0% to 6.80%.

As a result of the 21.3% investment gain, CalPERS should provide the District with a credit equal to \$2.5 million. A portion of this gain (credit) will be offset by the reduction in the Discount Rate to 6.80%. The Asset Liability Management (ALM) Committee will meet on November 15th and November 17th to determine the final adjustment to the underlying assumptions.

Based on the current policy, the District should anticipate a \$2.0 million credit. However, this number may be somewhat smaller if the ALM Committee decides to reduce the Discount Rate further.

Our pension consultant, UFI, expects that the ALM Committee will not lower the Discount Rate much more and the District should end the year with a net credit. Staff does not therefore anticipate the need for any ADPs in near future.

Julio Morales will make a presentation and be available to answer questions regarding the attached Actuarial Reports.

Board of Directors

Division 2 Timothy H. Hoag Division 3 Eugene F. West

Division 4 Terry L. Foreman Division 5 **General Manager**

Tony L. Stafford

AI E. Fox Division 1 Jeffrey C. Brown



California Public Employees' Retirement System Actuarial Office

400 Q Street, Sacramento, CA 95811 | Phone: (916) 795-3000 | Fax: (916) 795-2744 **888 CalPERS** (or **888**-225-7377) | TTY: (877) 249-7442 | www.calpers.ca.gov

July 2021

Miscellaneous Plan of the Camrosa Water District (CaIPERS ID: 7880235845) Annual Valuation Report as of June 30, 2020

Dear Employer,

Attached to this letter, you will find the June 30, 2020 actuarial valuation report of your CalPERS pension plan. Provided in this report is the determination of the minimum required employer contributions for fiscal year 2022-23. In addition, the report contains important information regarding the current financial status of the plan as well as projections and risk measures to aid in planning for the future.

Because this plan is in a risk pool, the following valuation report has been separated into two sections:

- Section 1 contains specific information for the plan including the development of the current and projected employer contributions, and
- Section 2 contains the Risk Pool Actuarial Valuation appropriate to the plan as of June 30, 2020.

Section 2 can be found on the CalPERS website (calpers.ca.gov). From the home page, go to "Forms & Publications" and select "View All". In the search box, enter "Risk Pool" and from the results list download the Miscellaneous Risk Pool Actuarial Valuation Report for June 30, 2020.

Your June 30, 2020 actuarial valuation report contains important actuarial information about your pension plan at CalPERS. Your assigned CalPERS staff actuary, whose signature appears in the Actuarial Certification section on page 1, is available to discuss the report with you.

Actuarial valuations are based on assumptions regarding future plan experience including investment return and payroll growth, eligibility for the types of benefits provided, and longevity among retirees. The CalPERS Board of Administration adopts these assumptions after considering the advice of CalPERS actuarial and investment teams and other professionals. Each actuarial valuation reflects all prior differences between actual and assumed experience and adjusts the contribution rates as needed. This valuation is based on an investment return assumption of 7.0% which was adopted by the board in December 2016. Other assumptions used in this report are those recommended in the CalPERS Experience Study and Review of Actuarial Assumptions report from December 2017.

Required Contribution

The exhibit below displays the minimum employer contributions for fiscal year 2022-23 along with estimates of the required contributions for fiscal year 2023-24. Member contributions other than cost sharing (whether paid by the employer or the employee) are in addition to the results shown below. The employer contributions in this report do not reflect any cost sharing arrangements you may have with your employees.

Fiscal Year	Employer Normal Cost Rate	Employer Amortization of Unfunded Accrued Liability
2022-23	10.32%	\$26,349
Projected Results		
2023-24	10.3%	\$38,000

Miscellaneous Plan of the Camrosa Water District (CalPERS ID: 7880235845) Annual Valuation Report as of June 30, 2020 Page 2

The actual investment return for fiscal year 2020-21 was not known at the time this report was prepared. The projections above assume the investment return for that year would be 7.00%. To the extent the actual investment return for fiscal year 2020-21 differs from 7.00%, the actual contribution requirements for fiscal year 2023-24 will differ from those shown above. For additional details regarding the assumptions and methods used for these projections please refer to the "Projected Employer Contributions" in the "Highlights and **Executive Summary" section.** This section also contains projected required contributions through fiscal year 2027-28.

Changes from Previous Year's Valuation

There are no significant changes in actuarial assumptions or policies in your 2020 actuarial valuation. Your annual valuation report is an important tool for monitoring the health of your CalPERS pension plan. Your report contains useful information about future required contributions and ways to control your plan's funding progress. In addition to your annual actuarial report my office has developed tools for employers to plan, project and protect the retirement benefits of your employees. Pension Outlook is a tool to help plan and budget pension costs into the future with easy to understand results and charts.

You will be able to view the projected funded status and required employer contributions for pension plans in different potential scenarios for up to 30 years into the future — which will make budgeting more predictable. While Pension Outlook can't predict the future, it can provide valuable planning information based on a variety of future scenarios that you select.

Pension Outlook can help you answer specific questions about your plans, including:

- When is my plan's funded status expected to increase?
- What happens to my required contributions in a down market?
- How does the discount rate assumption affect my contributions?
- What is the impact of making an additional discretionary payment to my plan?

To get started, visit our Pension Outlook page at www.calpers.ca.gov/page/employers/actuarial-resources/pensionoutlook-overview and take the steps to register online.

CalPERS will be completing an Asset Liability Management (ALM) review process in November 2021 that will review the capital market assumptions and the strategic asset allocation and ascertain whether a change in the discount rate and other economic assumptions is warranted. In addition, the Actuarial Office will be completing its Experience Study to review the demographic experience within the pension system and make recommendations to modify future assumptions where appropriate.

Furthermore, this valuation does not reflect any impacts from the COVID-19 pandemic on your pension plan. The impact of COVID-19 on retirement plans is not yet known and CalPERS actuaries will continue to monitor the effects and where necessary make future adjustments to actuarial assumptions.

Further descriptions of general changes are included in the "Highlights and Executive Summary" section and in Appendix A of the Section 2 report, "Actuarial Methods and Assumptions."

Questions

We understand that you might have questions about these results, and your assigned CalPERS actuary whose signature is on the valuation report is available to discuss. If you have other questions, you may call the Customer Contact Center at (888)-CalPERS or (888-225-7377).

Sincerely,

SCOTT TERANDO, ASA, EA, MAAA, FCA, CFA Chief Actuary



Actuarial Valuation as of June 30, 2020

for the
Miscellaneous Plan
of the
Camrosa Water District
(CalPERS ID: 7880235845)

Required Contributions for Fiscal Year July 1, 2022 - June 30, 2023

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Section 2 – Risk Pool Actuarial Valuation Information

Section 1

CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

Plan Specific Information for the Miscellaneous Plan of the Camrosa Water District

> (CalPERS ID: 7880235845) (Rate Plan ID: 739)

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Actuarial Certification

Section 1 of this report is based on the member and financial data contained in our records as of June 30, 2020 which was provided by your agency and the benefit provisions under your contract with CalPERS. Section 2 of this report is based on the member and financial data as of June 30, 2020 provided by employers participating in the Miscellaneous Risk Pool to which the plan belongs and benefit provisions under the CalPERS contracts for those agencies.

As set forth in Section 2 of this report, the pool actuaries have certified that, in their opinion, the valuation of the risk pool containing your Miscellaneous Plan has been performed in accordance with generally accepted actuarial principles consistent with standards of practice prescribed by the Actuarial Standards Board, and that the assumptions and methods are internally consistent and reasonable for the risk pool as of the date of this valuation and as prescribed by the CalPERS Board of Administration according to provisions set forth in the California Public **Employees' Retirement Law.**

Having relied upon the information set forth in Section 2 of this report and based on the census and benefit provision information for the plan, it is my opinion as the plan actuary that the Unfunded Accrued Liability amortization bases as of June 30, 2020 and employer contribution as of July 1, 2022 have been properly and accurately determined in accordance with the principles and standards stated above.

The undersigned is an actuary who satisfies the Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States with regard to pensions.

BILL KARCH, ASA, MAAA

Supervising Pension Actuary, CalPERS

Highlights and Executive Summary

- Introduction
- Purpose of Section 1
- Required Employer Contributions
- Additional Discretionary Employer Contributions
- Plan's Funded Status
- Projected Employer Contributions
- Other Pooled Miscellaneous Risk Pool Rate Plans
- Cost
- Changes Since the Prior Year's Valuation
- Subsequent Events

Introduction

This report presents the results of the June 30, 2020 actuarial valuation of the Miscellaneous Plan of the Camrosa Water District of the California Public Employees' Retirement System (CalPERS). This actuarial valuation sets the required employer contributions for fiscal year 2022-23.

Purpose of Section 1

This Section 1 report for the Miscellaneous Plan of the Camrosa Water District of CalPERS was prepared by the plan actuary in order to:

- Set forth the assets and accrued liabilities of this plan as of June 30, 2020;
- Determine the minimum required employer contribution for this plan for the fiscal year July 1, 2022 through June 30, 2023; and
- Provide actuarial information as of June 30, 2020 to the CalPERS Board of Administration and other interested parties.

The pension funding information presented in this report should not be used in financial reports subject to Governmental Accounting Standards Board (GASB) Statement No. 68 for a Cost Sharing Employer Defined Benefit Pension Plan. A separate accounting valuation report for such purposes is available on the CalPERS website.

The measurements shown in this actuarial valuation may not be applicable for other purposes. The employer should contact their actuary before disseminating any portion of this report for any reason that is not explicitly described above.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; changes in actuarial policies; and changes in plan provisions or applicable law.

Assessment and Disclosure of Risk

This report includes the following risk disclosures consistent with the recommendations of Actuarial Standards of Practice No. 51 and recommended by the California Actuarial Advisory Panel (CAAP) in the Model Disclosure Elements document:

- A "Scenario Test," projecting future results under different investment income returns.
- A "Sensitivity Analysis," showing the impact on current valuation results using alternative discount rates of 6.0% and 8.0%.
- A "Sensitivity Analysis," showing the impact on current valuation results assuming rates of mortality are 10% lower or 10% higher than our current post- retirement mortality assumptions adopted in 2017
- Pension Plan maturity measures quantifying the risks the employer bears.

Required Employer Contributions

	Fiscal Year
Required Employer Contributions	2022-23
Employer Normal Cost Rate	10.32%
Plus	
Required Payment on Amortization Bases ¹	\$26,349
Paid either as	
1) Monthly Payment	\$2,195.75
Or	
2) Annual Prepayment Option*	\$25,473

The total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll and paid as payroll is reported) plus the Employer Unfunded Accrued Liability (UAL) Contribution Amount (billed monthly (1) or prepaid annually (2) in dollars).

^{*} Only the UAL portion of the employer contribution can be prepaid (which must be received in full no later than July 31).

	Fiscal Year	Fiscal Year
	2021-22	2022-23
Development of Normal Cost as a Percentage of Payroll		
Base Total Normal Cost for Formula	17.25%	17.24%
Surcharge for Class 1 Benefits ²		
None	0.00%	0.00%
Phase out of Normal Cost Difference ³	0.00%	0.00%
Plan's Total Normal Cost	17.25%	17.24%
Formula's Expected Employee Contribution Rate	6.91%	6.92%
Employer Normal Cost Rate	10.34%	10.32%

¹ The required payment on amortization bases does not take into account any additional discretionary payment made after April 30, 2021.

² Section 2 of this report contains a list of Class 1 benefits and corresponding surcharges for each benefit.

³ The normal cost change is phased out over a five-year period in accordance with the CalPERS contribution allocation policy.

Additional Discretionary Employer Contributions

The minimum required employer contribution towards the Unfunded Accrued Liability (UAL) for this rate plan for the 2022-23 fiscal year is \$26,349. CalPERS allows employers to make additional discretionary payments (ADPs) at any time and in any amount. These optional payments serve to reduce the UAL and future required contributions and can result in significant long-term savings. Employers can also use ADPs to stabilize annual contributions as a fixed dollar amount, percent of payroll or percent of revenue.

Provided below are select ADP options for consideration. Making such an ADP during fiscal year 2022-23 does not require an ADP be made in any future year, nor does it change the remaining amortization period of any portion of unfunded liability. For information on permanent changes to amortization periods, see the "Amortization Schedule and Alternatives" section of the report.

If you are considering making an ADP, please contact your actuary for additional information.

Minimum Required Employer Contribution for Fiscal Year 2022-23

Estimated Normal Cost	Minimum UAL Payment	ADP	Total UAL Contribution	Estimated Total Contribution
\$263,827	\$26,349	\$0	\$26,349	\$290,176

The minimum required contribution above is less than interest on the UAL. With no ADP the UAL is projected to increase over the following year. If the minimum UAL payment were split between interest and principal, the principal portion would be negative. This situation is referred to as "negative amortization."

Fiscal Year 2022-23 Employer Contribution Necessary to Avoid Negative Amortization

Estimated Normal Cost	Minimum UAL Payment	ADP ¹	Total UAL Contribution	Estimated Total Contribution
\$263,827	\$26,349	\$20,145	\$46,494	\$310,321

Alternative Fiscal Year 2022-23 Employer Contributions for Greater UAL Reduction

Funding Target	Estimated Normal Cost	Minimum UAL Payment	ADP ¹	Total UAL Contribution	Estimated Total Contribution
20 years	\$263,827	\$26,349	\$36,347	\$62,696	\$326,523
15 years	\$263,827	\$26,349	\$46,577	\$72,926	\$336,753
10 years	\$263,827	\$26,349	\$68,219	\$94,568	\$358,395
5 years	\$263,827	\$26,349	\$135,645	\$161,994	\$425,821

¹ The ADP amounts are assumed to be made in the middle of the fiscal year. A payment made earlier or later in the fiscal year would have to be less or more than the amount shown to have the same effect on the UAL amortization.

Note that the calculations above are based on the projected Unfunded Accrued Liability as of June 30, 2022 as determined in the June 30, 2020 actuarial valuation. New unfunded liabilities can emerge in future years due to assumption or method changes, changes in plan provisions and actuarial experience different than assumed. Making an ADP illustrated above for the indicated number of years will not result in a plan that is exactly 100% funded in the indicated number of years. Valuation results will vary from one year to the next and can diverge significantly from projections over a period of several years.

Plan's Funded Status

	June 30, 2019	June 30, 2020
1. Present Value of Projected Benefits (PVB)	\$20,151,011	\$20,946,944
2. Entry Age Accrued Liability (AL)	17,401,149	18,180,076
3. Plan's Market Value of Assets (MVA)	12,230,212	17,572,272
4. Unfunded Accrued Liability (UAL) [(2) - (3)]	5,170,937	607,804
5. Funded Ratio [(3) / (2)]	70.3%	96.7%

This measure of funded status is an assessment of the need for future employer contributions based on the selected actuarial cost method used to fund the plan. The UAL is the present value of future employer contributions for service that has already been earned and is in addition to future normal cost contributions for active members. For a measure of funded status that is appropriate for assessing the sufficiency of plan assets to cover estimated termination liabilities, please see "Hypothetical Termination Liability" in the "Risk Analysis" section.

Projected Employer Contributions

The table below shows the required and projected employer contributions (before cost sharing) for the next six fiscal years. The projection assumes that all actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur during the projection period. Actual contribution rates during this projection period could be significantly higher or lower than the projection shown below.

	Required Contribution	Projected Future Employer Contributions (Assumes 7.00% Return for Fiscal Year 2020-21)							
Fiscal Year	2022-23	2023-24 2024-25 2025-26 2026-27 2027-28							
		Rate Plan 739 Results							
Normal Cost %	10.32%	10.3%	10.3%	10.3%	10.3%	10.3%			
UAL Payment	\$26,349	\$38,000	\$38,000 \$50,000 \$62,000 \$72,000						

For some sources of UAL, the change in UAL is amortized using a 5-year ramp up. For more information, please see "Amortization of the Unfunded Actuarial Accrued Liability" under "Actuarial Methods" in Appendix A of the Section 2 Report. This method phases in the impact of the change in UAL over a 5-year period in order to reduce employer cost volatility from year to year. As a result of this methodology, dramatic changes in the required employer contributions in any one year are less likely. However, required contributions can change gradually and significantly over the next five years. In years when there is a large increase in UAL, the relatively small amortization payments during the ramp up period could result in a funded ratio that is projected to decrease initially while the contribution impact of the increase in the UAL is phased in.

For projected contributions under alternate investment return scenarios, please see the "Future Investment Return Scenarios" in the "Risk Analysis" section.

Our online pension plan modeling and projection tool, Pension Outlook, is available in the Employers section of the CalPERS website. Pension Outlook is a tool to help plan and budget pension costs into the future with results and charts that are easy to understand.

Other Pooled Miscellaneous Risk Pool Rate Plans

All of the results presented in this Section 1 report, except those shown below, correspond to rate plan 739. In many cases, employers have additional rate plans within the same risk pool. For cost analysis and budgeting it is useful to consider contributions for these rate plans as a whole rather than individually. The estimated contribution amounts and rates for all of the employer's rate plans in the Miscellaneous Risk Pool are shown below and assume that the payroll for each rate plan will grow according to the overall payroll growth assumption of 2.75% per year for three years.

	Fiscal Year	Fiscal Year
	2021-22	2022-23
Estimated Combined Employer Contributions for all Pooled Misc	cellaneous Rate Pl	ans
Projected Payroll for the Contribution Year	\$2,760,221	\$2,780,711
Estimated Employer Normal Cost	\$276,768	\$280,578
Required Payment on Amortization Bases	\$10,041	\$27,624
Estimated Total Employer Contributions	\$286,809	\$308,202
Estimated Total Employer Contribution Rate (illustrative only)	10.39%	11.08%

Cost

Actuarial Determination of Pension Plan Cost

Contributions to fund the pension plan are comprised of two components:

- Normal Cost, expressed as a percentage of total active payroll
- Amortization of the Unfunded Accrued Liability (UAL), expressed as a dollar amount

For fiscal years prior to 2016-17, the Amortization of UAL component was expressed as a percentage of total active payroll. Starting with fiscal year 2016-17, the Amortization of UAL component was expressed as a dollar amount and invoiced on a monthly basis. There continues to be an option to prepay this amount during July of each fiscal year.

The Normal Cost component is expressed as a percentage of active payroll with employer and employee contributions payable as part of the regular payroll reporting process.

The determination of both components requires complex actuarial calculations. The calculations are based on a set of actuarial assumptions which can be divided into two categories:

- Demographic assumptions (e.g., mortality rates, retirement rates, employment termination rates, disability rates)
- Economic assumptions (e.g., future investment earnings, inflation, salary growth rates)

These assumptions reflect CalPERS' best estimate of future experience of the plan and are long term in nature. We recognize that all assumptions will not be realized in any given year. For example, the investment earnings at CalPERS have averaged 5.5% over the 20 years ending June 30, 2020, yet individual fiscal year returns have ranged from -23.6% to +20.7%. In addition, CalPERS reviews all actuarial assumptions by conducting in-depth experience studies every four years, with the most recent experience study completed in 2017.

Changes Since the Prior Year's Valuation

Benefits

The standard actuarial practice at CalPERS is to recognize mandated legislative benefit changes in the first annual valuation following the effective date of the legislation. Voluntary benefit changes by plan amendment are generally included in the first valuation that is prepared after the amendment becomes effective, even if the valuation date is prior to the effective date of the amendment.

This valuation generally reflects plan changes by amendments effective before the date of the report. Please refer to **the "Plan's Major Benefit Options" and** Appendix B of the Section 2 Report for a summary of the plan provisions used in this valuation.

Actuarial Methods and Assumptions

The are no significant changes to the actuarial methods or assumptions for the 2020 actuarial valuation.

Subsequent Events

The contribution requirements determined in this actuarial valuation report are based on demographic and financial information as of June 30, 2020. Changes in the value of assets subsequent to that date are not reflected. Investment returns below the assumed rate of return will increase future required contributions while investment returns above the assumed rate of return will decrease future required contributions.

CalPERS will be completing an Asset Liability Management (ALM) process in November 2021 that will review the capital market assumptions and the strategic asset allocation and ascertain whether a change in the discount rate and other economic assumptions is warranted. As part of the ALM process the Actuarial Office will be completing an Experience Study to review the demographic experience of the retirement system and make recommendations to modify future assumptions where appropriate.

Furthermore, this valuation does not reflect any impacts from the COVID-19 pandemic on your pension plan. The impact of COVID-19 on retirement plans is not yet known and CalPERS actuaries will continue to monitor the effects and where necessary make future adjustments to actuarial assumptions.

The projected employer contributions on Page 6 are calculated under the assumption that the discount rate remains at 7.0% going forward and that the realized rate of return on assets for fiscal year 2020-21 is 7.0%.

This actuarial valuation report reflects statutory changes, regulatory changes and CalPERS Board actions through January 2021. Any subsequent changes or actions are not reflected.

Assets and Liabilities

- Breakdown of Entry Age Accrued Liability
- Allocation of Plan's Share of Pool's Experience/Assumption Change
- Development of Plan's Share of Pool's Market Value of Assets
- Schedule of Plan's Amortization Bases
- Amortization Schedule and Alternatives
- Employer Contribution History
- Funding History

Breakdown of Entry Age Accrued Liability

Active Members\$9,172,768Transferred Members1,095,413Terminated Members4,634Members and Beneficiaries Receiving Payments7,907,261Total\$18,180,076

Allocation of Plan's Share of Pool's

Experience/Assumption Change

It is the policy of CalPERS to ensure equity within the risk pools by allocating the pool's experience gains/losses and assumption changes in a manner that treats each employer equitably and maintains benefit security for the members of the System while minimizing substantial variations in employer contributions. The Pool's experience gains/losses and impact of assumption/method changes is allocated to the plan as follows:

1.	Plan's Accrued Liability	\$18,180,076
2.	Projected UAL balance at 6/30/2020	136,172
3.	Pool's Accrued Liability ¹	19,314,480,060
4.	Sum of Pool's Individual Plan UAL Balances at 6/30/2020 ¹	4,306,566,797
5.	Pool's 2019/20 Investment (Gain)/Loss ¹	344,968,792
6.	Pool's 2019/20 Non-Investment (Gain)/Loss ¹	60,428,629
7.	Plan's Share of Pool's Investment (Gain)/Loss: $[(1) - (2)] \div [(3) - (4)] \times (5)$	414,753
8.	Plan's Share of Pool's Non-Investment (Gain)/Loss: (1) \div (3) \times (6)	56,879
9.	Plan's New (Gain)/Loss as of 6/30/2020: (7) + (8)	471,633

¹ Does not include plans that transferred to Pool on the valuation date.

Development of the Plan's Share of Pool's Market

Value of Assets

10. Plan's UAL: (2) + (9) \$607,804 11. Plan's Share of Pool's MVA: (1) - (10) \$17,572,272

Schedule of Plan's Amortization Bases

Note that there is a two-year lag between the valuation date and the start of the contribution fiscal year.

- The assets, liabilities, and funded status of the plan are measured as of the valuation date: June 30, 2020.
- The required employer contributions determined by the valuation are for the fiscal year beginning two years after the valuation date: fiscal year 2022-23.

This two-year lag is necessary due to the amount of time needed to extract and test the membership and financial data, and the need to provide public agencies with their required employer contribution well in advance of the start of the fiscal year.

The Unfunded Accrued Liability (UAL) is used to determine the employer contribution and therefore must be rolled forward two years from the valuation date to the first day of the fiscal year for which the contribution is being determined. The UAL is rolled forward each year by subtracting the expected payment on the UAL for the fiscal year and adjusting for interest. The expected payment for the first fiscal year is determined by the actuarial valuation two years ago and the contribution for the second year is from the actuarial valuation one year ago. Additional discretionary payments are reflected in the Expected Payments column in the fiscal year they were made by the agency.

Reason for Base	Date Est.	Ramp Level 2022-23	Ramp Shape	Escala- tion Rate	Amort. Period	Balance 6/30/20	Expected Payment 2020-21	Balance 6/30/21	Expected Payment 2021-22	Balance 6/30/22	Minimum Required Payment 2022-23
Non-Investment (Gain)/Loss	6/30/19	No	Ramp	0.00%	19	71,854	0	76,884	7,016	75,008	7,016
Investment (Gain)/Loss	6/30/19	40%	Up Only	0.00%	19	64,318	0	68,820	1,505	72,081	3,009
Non-Investment (Gain)/Loss	6/30/20	No	Ramp	0.00%	20	56,879	0	60,861	0	65,121	5,942
Investment (Gain)/Loss	6/30/20	20%	Up Only	0.00%	20	414,753	0	443,786	0	474,851	10,382
Total						607,804	0	650,351	8,521	687,061	26,349

The (gain)/loss bases are the plan's allocated share of the risk pool's (gain)/loss for the fiscal year as disclosed in "Allocation of Plan's Share of Pool's Experience/Assumption Change" earlier in this section. These (gain)/loss bases will be amortized in accordance with the CalPERS amortization policy in effect at the time the base was established.

Amortization Schedule and Alternatives

The amortization schedule on the previous page shows the minimum contributions required according to the CalPERS amortization policy. Many agencies have expressed a desire for a more stable pattern of payments or have indicated interest in paying off the unfunded accrued liabilities more quickly than required. As such, we have provided alternative amortization schedules to help analyze the current amortization schedule and illustrate the potential savings of accelerating unfunded liability payments.

Shown on the following page are future year amortization payments based on 1) the current amortization schedule reflecting the individual bases and remaining periods shown on the previous page, and 2) alternative "fresh start" amortization schedules using two sample periods that would both result in interest savings relative to the current amortization schedule. To initiate a Fresh Start, please consult with your plan actuary.

The Current Amortization Schedule typically contains both positive and negative bases. Positive bases result from plan changes, assumption changes, method changes or plan experience that increase unfunded liability. Negative bases result from plan changes, assumption changes, method changes, or plan experience that decrease unfunded liability. The combination of positive and negative bases within an amortization schedule can result in unusual or problematic circumstances in future years, such as:

- When a negative payment would be required on a positive unfunded actuarial liability; or
- When the payment would completely amortize the total unfunded liability in a very short time period, and results in a large change in the employer contribution requirement.

In any year when one of the above scenarios occurs, the actuary will consider corrective action such as replacing the existing unfunded liability bases with a single "fresh start" base and amortizing it over a reasonable period.

The Current Amortization Schedule on the following page may appear to show that, based on the current amortization bases, one of the above scenarios will occur at some point in the future. It is impossible to know today whether such a scenario will in fact arise since there will be additional bases added to the amortization schedule in each future year. Should such a scenario arise in any future year, the actuary will take appropriate action based on guidelines in the CalPERS amortization policy.

Amortization Schedule and Alternatives (continued)

				<u>Alternate</u>	<u>Schedules</u>	
	Current Am Sched		20 Year Am	ortization	15 Year Am	ortization
Date	Balance	Payment	Balance	Payment	Balance	Payment
6/30/2022	687,061	26,349	687,061	62,696	687,061	72,926
6/30/2023	707,899	38,237	670,302	62,696	659,720	72,926
6/30/2024	717,900	50,124	652,370	62,697	630,465	72,926
6/30/2025	716,304	62,010	633,182	62,697	599,162	72,926
6/30/2026	702,302	72,393	612,650	62,696	565,668	72,926
6/30/2027	676,579	72,393	590,682	62,696	529,830	72,927
6/30/2028	649,055	72,392	567,176	62,696	491,482	72,927
6/30/2029	619,606	72,394	542,025	62,696	450,449	72,926
6/30/2030	588,093	72,391	515,114	62,697	406,545	72,926
6/30/2031	554,378	72,392	486,318	62,697	359,568	72,927
6/30/2032	518,301	72,393	455,506	62,697	309,301	72,926
6/30/2033	479,698	72,391	422,537	62,696	255,517	72,927
6/30/2034	438,395	72,392	387,261	62,696	197,967	72,926
6/30/2035	394,200	72,393	349,516	62,697	136,389	72,926
6/30/2036	346,910	72,391	309,128	62,696	70,501	72,927
6/30/2037	296,311	72,392	265,914	62,697		
6/30/2038	242,170	72,391	219,674	62,697		
6/30/2039	184,241	72,394	170,197	62,697		
6/30/2040	122,253	72,391	117,257	62,697		
6/30/2041	55,928	57,852	60,611	62,697		
6/30/2042						
6/30/2043						
6/30/2044						
6/30/2045						
6/30/2046						
6/30/2047						
6/30/2048						
6/30/2049						
6/30/2050						
6/30/2051						
Total		1,320,455		1,253,931		1,093,895

566,870

66,524

Rate Plan belonging	to the Miscellaneous Risk Pool

633,394

Interest Paid

Estimated Savings

406,834

226,560

Employer Contribution History

The table below provides a recent history of the required employer contributions for the plan. The amounts are based on the actuarial valuation from two years prior and does not account for prepayments or benefit changes made during a fiscal year. Additional discretionary payments before July 1, 2019 or after June 30, 2020 are not included.

Fiscal Year	Employer Normal Cost	Unfunded Liability Payment (\$)	Additional Discretionary Payments
2016 - 17	8.377%	\$182,571	N/A
2017 - 18	8.418%	216,199	N/A
2018 - 19	8.892%	265,076	N/A
2019 - 20	9.680%	318,111	4,996,392
2020 - 21	10.484%	358,956	
2021 - 22	10.34%	8,521	
2022 - 23	10.32%	26,349	

Funding History

The table below shows the recent history of the actuarial accrued liability, share of the pool's market value of assets, unfunded accrued liability, funded ratio, and annual covered payroll.

Valuation Date	Accrued Liability (AL)	Share of Pool's Market Value of Assets (MVA)	Unfunded Accrued Liability (UAL)	Funded Ratio	Annual Covered Payroll
06/30/2011	\$10,972,016	\$8,410,424	\$2,561,592	76.7%	\$1,902,210
06/30/2012	11,603,068	8,422,707	3,180,361	72.6%	1,618,446
06/30/2013	12,592,951	9,681,315	2,911,636	76.9%	1,741,274
06/30/2014	13,764,728	11,082,877	2,681,851	80.5%	1,797,398
06/30/2015	14,561,699	11,235,393	3,326,306	77.2%	1,740,039
06/30/2016	15,330,114	10,996,602	4,333,512	71.7%	1,785,296
06/30/2017	15,349,965	11,025,714	4,324,251	71.8%	2,068,770
06/30/2018	16,705,025	11,766,229	4,938,796	70.4%	2,178,221
06/30/2019	17,401,149	12,230,212	5,170,937	70.3%	2,254,883
06/30/2020	18,180,076	17,572,272	607,804	96.7%	2,356,643

Risk Analysis

- Future Investment Return Scenarios
- Discount Rate Sensitivity
- Mortality Rate Sensitivity
- Maturity Measures
- Maturity Measures History
- Hypothetical Termination Liability

Future Investment Return Scenarios

Analysis was performed to determine the effects of various future investment returns on required employer contributions. The projections below provide a range of results based on five investment return scenarios assumed to occur during the next four fiscal years (2020-21, 2021-22, 2022-23 and 2023-24). The projections also assume that all other actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur.

For fiscal years 2020-21, 2021-22, 2022-23, and 2023-24, each scenario assumes an alternate fixed annual return. The fixed return assumptions for the five scenarios are 1.0%, 4.0%, 7.0%, 9.0% and 12.0%.

These alternate investment returns were chosen based on stochastic analysis of possible future investment returns over the four-year period ending June 30, 2024. Using the expected returns and volatility of the asset classes in which the funds are invested, we produced five thousand stochastic outcomes for this period based on the most recently completed Asset Liability Management process. We then selected annual returns that approximate the 5th, 25th, 50th, 75th, and 95th percentiles for these outcomes. For example, of all the 4-year outcomes generated in the stochastic analysis, approximately 25% had an average annual return of 4.0% or less.

Required contributions outside of this range are also possible. In particular, whereas it is unlikely that investment returns will average less than 1.0% or greater than 12.0% over this four-year period, the likelihood of a single investment return less than 1.0% or greater than 12.0% in any given year is much greater.

Assumed Annual Return From 2020-21 through 2023-24	Projected Employer Contributions				
2020 21 till odgir 2023 24	2023-24	2024-25	2025-26	2026-27	
1.0%					
Normal Cost	10.3%	10.3%	10.3%	10.3%	
UAL Contribution	\$65,000	\$129,000	\$221,000	\$338,000	
4.0%					
Normal Cost	10.3%	10.3%	10.3%	10.3%	
UAL Contribution	\$51,000	\$90,000	\$143,000	\$209,000	
7.0%					
Normal Cost	10.3%	10.3%	10.3%	10.3%	
UAL Contribution	\$38,000	\$50,000	\$62,000	\$72,000	
9.0%					
Normal Cost	10.5%	10.8%	11.0%	11.2%	
UAL Contribution	\$33,000	\$35,000	\$0	\$0	
12.0%					
Normal Cost	10.5%	10.8%	11.0%	11.2%	
UAL Contribution	\$0	\$0	\$0	\$0	

Discount Rate Sensitivity

The discount rate assumption is calculated as the sum of the assumed real rate of return and the assumed annual price inflation, currently 4.50% and 2.50%, respectively. Changing either the price inflation assumption or the real rate of return assumption will change the discount rate. The sensitivity of the valuation results to the discount rate assumption depends on which component of the discount rate is changed. Shown below are various valuation results as of June 30, 2020 assuming alternate discount rates by changing the two components independently. Results are shown using the current discount rate of 7.0% as well as alternate discount rates of 6.0% and 8.0%. The rates of 6.0% and 8.0% were selected since they illustrate the impact of a 1.0% increase or decrease to the 7.0% assumption.

Sensitivity to the Real Rate of Return Assumption

As of June 30, 2020	1% Lower Real Return Rate	Current Assumptions	1% Higher Real Return Rate
Discount Rate	6.0%	7.0%	8.0%
Inflation	2.5%	2.5%	2.5%
Real Rate of Return	3.5%	4.5%	5.5%
a) Total Normal Cost	21.50%	17.24%	13.98%
b) Accrued Liability	\$20,413,799	\$18,180,076	\$16,297,726
c) Market Value of Assets	\$17,572,272	\$17,572,272	\$17,572,272
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$2,841,527	\$607,804	(\$1,274,546)
e) Funded Status	86.1%	96.7%	107.8%

Sensitivity to the Price Inflation Assumption

As of June 30, 2020	1% Lower Inflation Rate	Current Assumptions	1% Higher Inflation Rate
Discount Rate	6.0%	7.0%	8.0%
Inflation	1.5%	2.5%	3.5%
Real Rate of Return	4.5%	4.5%	4.5%
a) Total Normal Cost	18.38%	17.24%	15.88%
b) Accrued Liability	\$19,186,359	\$18,180,076	\$16,842,200
c) Market Value of Assets	\$17,572,272	\$17,572,272	\$17,572,272
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$1,614,087	\$607,804	(\$730,072)
e) Funded Status	91.6%	96.7%	104.3%

Mortality Rate Sensitivity

The following table looks at the change in the June 30, 2020 plan costs and funded status under two different longevity scenarios, namely assuming post-retirement rates of mortality are 10% lower or 10% higher than our current mortality assumptions adopted in 2017. This type of analysis highlights the impact on the plan of improving or worsening mortality over the long-term.

As of June 30, 2020	10% Lower Mortality Rates	Current Assumptions	10% Higher Mortality Rates
a) Total Normal Cost	17.54%	17.24%	16.96%
b) Accrued Liability	\$18,608,351	\$18,180,076	\$17,786,328
c) Market Value of Assets	\$17,572,272	\$17,572,272	\$17,572,272
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$1,036,079	\$607,804	\$214,056
e) Funded Status	94.4%	96.7%	98.8%

Maturity Measures

As pension plans mature they become more sensitive to risks. Understanding plan maturity and how it affects the ability of a pension plan sponsor to tolerate risk is important in understanding how the pension plan is impacted by investment return volatility, other economic variables and changes in longevity or other demographic assumptions. Since it is the employer that bears the risk, it is appropriate to perform this analysis on a pension plan level considering all rate plans. The following measures are for one rate plan only.

One way to look at the maturity level of CalPERS and its plans is to look at the ratio of a plan's retiree liability to its total liability. A pension plan in its infancy will have a very low ratio of retiree liability to total liability. As the plan matures, the ratio starts increasing. A mature plan will often have a ratio above 60%-65%.

Ratio of Retiree Accrued Liability to Total Accrued Liability	June 30, 2019	June 30, 2020	
1. Retired Accrued Liability	8,175,803	7,907,261	
2. Total Accrued Liability	17,401,149	18,180,076	
3. Ratio of Retiree AL to Total AL [(1) / (2)]	0.47	0.43	

Another measure of maturity level of CalPERS and its plans is to look at the ratio of actives to retirees, also called the Support Ratio. A pension plan in its infancy will have a very high ratio of active to retired members. As the plan matures, and members retire, the ratio starts declining. A mature plan will often have a ratio near or below one. The average support ratio for CalPERS public agency plans is 1.25.

Support Ratio	June 30, 2019	June 30, 2020	
1. Number of Actives	21	21	
2. Number of Retirees	33	32	
3. Support Ratio [(1) / (2)]	0.64	0.66	

Maturity Measures (Continued)

The actuarial calculations supplied in this communication are based on various assumptions about long-term demographic and economic behavior. Unless these assumptions (e.g., terminations, deaths, disabilities, retirements, salary growth, and investment return) are exactly realized each year, there will be differences on a year-to-year basis. The year-to-year differences between actual experience and the assumptions are called actuarial gains and losses and serve to lower or raise required employer contributions from one year to the next. Therefore, employer contributions will inevitably fluctuate, especially due to the ups and downs of investment returns.

Asset Volatility Ratio (AVR)

Shown in the table below is the asset volatility ratio (AVR), which is the ratio of market value of assets to payroll. Plans that have higher AVR experience more volatile employer contributions (as a percentage of payroll) due to investment return. For example, a plan with an asset-to-payroll ratio of 8 may experience twice the contribution volatility due to investment return volatility than a plan with an asset-to-payroll ratio of 4. It should be noted that this ratio is a measure of the current situation. It increases over time but generally tends to stabilize as the plan matures.

Liability Volatility Ratio (LVR)

Also shown in the table below is the liability volatility ratio (LVR), which is the ratio of accrued liability to payroll. Plans that have a higher LVR experience more volatile employer contributions (as a percentage of payroll) due to investment return and changes in liability. For example, a plan with LVR ratio of 8 is expected to have twice the contribution volatility of a plan with LVR of 4. It should be noted that this ratio indicates a longer-term potential for contribution volatility. The AVR, described above, will tend to move closer to the LVR as a plan matures.

Contribution Volatility	June 30, 2019	June 30, 2020
1. Market Value of Assets	\$12,230,212	\$17,572,272
2. Payroll	2,254,883	2,356,643
3. Asset Volatility Ratio (AVR) [(1) / (2)]	5.4	7.5
4. Accrued Liability	\$17,401,149	\$18,180,076
5. Liability Volatility Ratio (LVR) [(4) / (2)]	7.7	7.7

Maturity Measures History

Valuation Date	Ratio of Retiree Accrued Liability to Total Accrued Liability	Support Ratio	Asset Volatility Ratio	Liability Volatility Ratio
06/30/2017	0.47	0.68	5.3	7.4
06/30/2018	0.49	0.64	5.4	7.7
06/30/2019	0.47	0.64	5.4	7.7
06/30/2020	0.43	0.66	7.5	7.7

Hypothetical Termination Liability

The hypothetical termination liability is an estimate of the financial position of the plan had the contract with CalPERS been terminated as of June 30, 2020. The plan liability on a termination basis is calculated differently compared to the plan's ongoing funding liability. For the hypothetical termination liability calculation, both compensation and service are frozen as of the valuation date and no future pay increases or service accruals are assumed. This measure of funded status is not appropriate for assessing the need for future employer contributions in the case of an ongoing plan, that is, for an employer that continues to provide CalPERS retirement benefits to active employees.

A more conservative investment policy and asset allocation strategy was adopted by the CalPERS Board for the Terminated Agency Pool. The Terminated Agency Pool has limited funding sources since no future employer contributions will be made. Therefore, expected benefit payments are secured by risk-free assets and benefit security for members is increased while limiting the funding risk. However, this asset allocation has a lower expected rate of return than the PERF and consequently, a lower discount rate is assumed. The lower discount rate for the Terminated Agency Pool results in higher liabilities for terminated plans.

The effective termination discount rate will depend on actual market rates of return for risk-free securities on the date of termination. As market discount rates are variable, the table below shows a range for the hypothetical termination liability based on the lowest and highest interest rates observed during an approximate 19-month period from 12 months before the valuation date to 7 months after.

Hypothetical		Unfunded	Hypothetical		Unfunded	
Termination	Funded	Termination	Termination	Funded	Termination	
Liability ^{1,2}	Status	Liability	Liability ^{1,2}	Status	Liability	
at 0.75%		at 0.75%	at 2.50%		at 2.50%	
\$39,818,419	44.1%	\$22,246,147	\$31,179,765	56.4%	\$13,607,493	_
	Liability ^{1,2} at 0.75%	Termination Funded Liability ^{1,2} Status at 0.75%	Termination Funded Termination Liability ^{1,2} Status Liability at 0.75% at 0.75%	Termination Funded Termination Termination Liability ^{1,2} Status Liability Liability ^{1,2} at 0.75% at 0.75% at 2.50%	Termination Funded Termination Termination Funded Liability ^{1,2} Status Liability Liability ^{1,2} Status at 0.75% at 2.50%	Termination Funded Termination Termination Funded Termination Liability ^{1,2} Status Liability Liability ^{1,2} Status Liability at 0.75% at 2.50% at 2.50%

¹ The hypothetical liabilities calculated above include a 5% mortality contingency load in accordance with Board policy. Other actuarial assumptions can be found in Appendix A of the Section 2 report.

In order to terminate the plan, you must first contact our Retirement Services Contract Unit to initiate a Resolution of Intent to Terminate. The completed Resolution will allow the plan actuary to give you a preliminary termination valuation with a more up-to-date estimate of the plan liabilities. CalPERS advises you to consult with the plan actuary before beginning this process.

² The current discount rate assumption used for termination valuations is a weighted average of the 10-year and 30-year U.S. Treasury yields where the weights are based on matching asset and liability durations as of the termination date. The discount rates used in the table are based on 20-year Treasury bonds, rounded to the nearest quarter percentage point, which is a good proxy for most plans. The 20-year Treasury yield was 1.18% on June 30, 2020, and was 1.68% on January 31, 2021.

Participant Data

The table below shows a summary of **your plan's** member data upon which this valuation is based:

	June 30, 2019	June 30, 2020
Active Members		
Counts	21	21
Average Attained Age	N/A	48.9
Average Entry Age to Rate Plan	N/A	34.2
Average Years of Credited Service	N/A	14.2
Average Annual Covered Pay	\$107,375	\$112,221
Annual Covered Payroll	\$2,254,883	\$2,356,643
Projected Annual Payroll for Contribution Year	\$2,446,074	\$2,556,462
Present Value of Future Payroll	\$16,835,749	\$16,927,341
Transferred Members	4	5
Separated Members	5	4
Retired Members and Beneficiaries		
Counts*	33	32
Average Annual Benefits*	N/A	\$21,665

Counts of members included in the valuation are counts of the records processed by the valuation. Multiple records may exist for those who have service in more than one valuation group. This does not result in double counting of liabilities.

List of Class 1 Benefit Provisions

This plan has the additional Class 1 Benefit Provisions:

None

^{*} Values include community property settlements.

Plan's Major Benefit Options

Shown below is a summary of the major <u>optional</u> benefits for which your agency has contracted. A description of principal standard and optional plan provisions is in Section 2.

	Benefit Group		
Member Category	Misc	Misc	
Demographics Actives Transfers/Separated Receiving	Yes Yes Yes	No No Yes	
Benefit Provision			
Benefit Formula Social Security Coverage Full/Modified	2% @ 55 No Full		
Employee Contribution Rate	7.00%		
Final Average Compensation Period	Three Year		
Sick Leave Credit	Yes		
Non-Industrial Disability	Standard		
Industrial Disability	No		
Pre-Retirement Death Benefits Optional Settlement 2 1959 Survivor Benefit Level Special Alternate (firefighters)	Yes Level 3 No No		
Post-Retirement Death Benefits Lump Sum Survivor Allowance (PRSA)	\$500 No	\$500 No	
COLA	2%	2%	

Section 2

CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

Risk Pool Actuarial Valuation Information

Section 2 may be found on the CalPERS website (calpers.ca.gov) in the Forms and Publications section



California Public Employees' Retirement System Actuarial Office

400 Q Street, Sacramento, CA 95811 | Phone: (916) 795-3000 | Fax: (916) 795-2744 **888 CalPERS** (or **888**-225-7377) | TTY: (877) 249-7442 | www.calpers.ca.gov

July 2021

PEPRA Miscellaneous Plan of the Camrosa Water District (CalPERS ID: 7880235845)
Annual Valuation Report as of June 30, 2020

Dear Employer,

Attached to this letter, you will find the June 30, 2020 actuarial valuation report of your CalPERS pension plan. **Provided in this report is the determination of the minimum required employer contributions for fiscal year 2022-23**. In addition, the report contains important information regarding the current financial status of the plan as well as projections and risk measures to aid in planning for the future.

Because this plan is in a risk pool, the following valuation report has been separated into two sections:

- Section 1 contains specific information for the plan including the development of the current and projected employer contributions, and
- Section 2 contains the Risk Pool Actuarial Valuation appropriate to the plan as of June 30, 2020.

Section 2 can be found on the CalPERS website (calpers.ca.gov). From the home page, go to "Forms & Publications" and select "View All". In the search box, enter "Risk Pool" and from the results list download the Miscellaneous Risk Pool Actuarial Valuation Report for June 30, 2020.

Your June 30, 2020 actuarial valuation report contains important actuarial information about your pension plan at CalPERS. Your assigned CalPERS staff actuary, whose signature appears in the Actuarial Certification section on page 1, is available to discuss the report with you.

Actuarial valuations are based on assumptions regarding future plan experience including investment return and payroll growth, eligibility for the types of benefits provided, and longevity among retirees. The CalPERS Board of Administration adopts these assumptions after considering the advice of CalPERS actuarial and investment teams and other professionals. Each actuarial valuation reflects all prior differences between actual and assumed experience and adjusts the contribution rates as needed. This valuation is based on an investment return assumption of 7.0% which was adopted by the board in December 2016. Other assumptions used in this report are those recommended in the CalPERS Experience Study and Review of Actuarial Assumptions report from December 2017.

Required Contribution

The exhibit below displays the minimum employer contributions and the Employee PEPRA Rate for fiscal year 2022-23 along with estimates of the required contributions for fiscal year 2023-24. Member contributions other than cost sharing (whether paid by the employer or the employee) are in addition to the results shown below. **The employer contributions in this report do not reflect any cost sharing arrangements you may have with your employees**.

Fiscal Year	Employer Normal Cost Rate	Employer Amortization of Unfunded Accrued Liability	PEPRA Employee Rate
2022-23	7.47%	\$1,275	6.75%
Projected Results			
2023-24	7.5%	\$1,300	TBD

PEPRA Miscellaneous Plan of the Camrosa Water District (CalPERS ID: 7880235845) Annual Valuation Report as of June 30, 2020 Page 2

The actual investment return for fiscal year 2020-21 was not known at the time this report was prepared. The projections above assume the investment return for that year would be 7.00%. *To the extent the actual investment return for fiscal year 2020-21 differs from 7.00%, the actual contribution requirements for fiscal year 2023-24 will differ from those shown above.* For additional details regarding the assumptions and methods used for these projections please refer to the "Projected Employer Contributions" in the "Highlights and Executive Summary" section. This section also contains projected required contributions through fiscal year 2027-28.

Changes from Previous Year's Valuation

There are no significant changes in actuarial assumptions or policies in your 2020 actuarial valuation. Your annual valuation report is an important tool for monitoring the health of your CalPERS pension plan. Your report contains useful information about future required contributions and ways to control your plan's funding progress. In addition to your annual actuarial report my office has developed tools for employers to plan, project and protect the retirement benefits of your employees. Pension Outlook is a tool to help plan and budget pension costs into the future with easy to understand results and charts.

You will be able to view the projected funded status and required employer contributions for pension plans in different potential scenarios for up to 30 years into the future — which will make budgeting more predictable. While Pension Outlook can't predict the future, it can provide valuable planning information based on a variety of future scenarios that you select.

Pension Outlook can help you answer specific questions about your plans, including:

- When is my plan's funded status expected to increase?
- What happens to my required contributions in a down market?
- How does the discount rate assumption affect my contributions?
- What is the impact of making an additional discretionary payment to my plan?

To get started, visit our Pension Outlook page at www.calpers.ca.gov/page/employers/actuarial-resources/pension-outlook-overview and take the steps to register online.

CalPERS will be completing an Asset Liability Management (ALM) review process in November 2021 that will review the capital market assumptions and the strategic asset allocation and ascertain whether a change in the discount rate and other economic assumptions is warranted. In addition, the Actuarial Office will be completing its Experience Study to review the demographic experience within the pension system and make recommendations to modify future assumptions where appropriate.

Furthermore, this valuation does not reflect any impacts from the COVID-19 pandemic on your pension plan. The impact of COVID-19 on retirement plans is not yet known and CalPERS actuaries will continue to monitor the effects and where necessary make future adjustments to actuarial assumptions.

Further descriptions of general changes are included in the "Highlights and Executive Summary" section and in Appendix A of the Section 2 report, "Actuarial Methods and Assumptions."

Questions

We understand that you might have questions about these results, and your assigned CalPERS actuary whose signature is on the valuation report is available to discuss. If you have other questions, you may call the Customer Contact Center at (888)-CalPERS or (888-225-7377).

Sincerely,

SCOTT TERANDO, ASA, EA, MAAA, FCA, CFA

Chief Actuary



Actuarial Valuation as of June 30, 2020

for the PEPRA Miscellaneous Plan of the Camrosa Water District

(CalPERS ID: 7880235845)

Required Contributions for Fiscal Year July 1, 2022 - June 30, 2023

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Section 1 – Plan Specific Information

Section 2 - Risk Pool Actuarial Valuation Information

Section 1

CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

Plan Specific Information for the PEPRA Miscellaneous Plan of the Camrosa Water District

(CalPERS ID: 7880235845) (Rate Plan ID: 27306)

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Actuarial Certification

Section 1 of this report is based on the member and financial data contained in our records as of June 30, 2020 which was provided by your agency and the benefit provisions under your contract with CalPERS. Section 2 of this report is based on the member and financial data as of June 30, 2020 provided by employers participating in the Miscellaneous Risk Pool to which the plan belongs and benefit provisions under the CalPERS contracts for those agencies.

As set forth in Section 2 of this report, the pool actuaries have certified that, in their opinion, the valuation of the risk pool containing your PEPRA Miscellaneous Plan has been performed in accordance with generally accepted actuarial principles consistent with standards of practice prescribed by the Actuarial Standards Board, and that the assumptions and methods are internally consistent and reasonable for the risk pool as of the date of this valuation and as prescribed by the CalPERS Board of Administration according to provisions set forth in the California Public Employees' Retirement Law.

Having relied upon the information set forth in Section 2 of this report and based on the census and benefit provision information for the plan, it is my opinion as the plan actuary that the Unfunded Accrued Liability amortization bases as of June 30, 2020 and employer contribution as of July 1, 2022 have been properly and accurately determined in accordance with the principles and standards stated above.

The undersigned is an actuary who satisfies the Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States with regard to pensions.

BILL KARCH, ASA, MAAA

Supervising Pension Actuary, CalPERS

Highlights and Executive Summary

- Introduction
- Purpose of Section 1
- Required Employer Contributions
- Additional Discretionary Employer Contributions
- Plan's Funded Status
- Projected Employer Contributions
- Other Pooled Miscellaneous Risk Pool Rate Plans
- Cost
- Changes Since the Prior Year's Valuation
- Subsequent Events

Introduction

This report presents the results of the June 30, 2020 actuarial valuation of the PEPRA Miscellaneous Plan of the Camrosa Water District of the California Public Employees' Retirement System (CalPERS). This actuarial valuation sets the required employer contributions for fiscal year 2022-23.

Purpose of Section 1

This Section 1 report for the PEPRA Miscellaneous Plan of the Camrosa Water District of CalPERS was prepared by the plan actuary in order to:

- Set forth the assets and accrued liabilities of this plan as of June 30, 2020;
- Determine the minimum required employer contribution for this plan for the fiscal year July 1, 2022 through June 30, 2023; and
- Provide actuarial information as of June 30, 2020 to the CalPERS Board of Administration and other interested parties.

The pension funding information presented in this report should not be used in financial reports subject to Governmental Accounting Standards Board (GASB) Statement No. 68 for a Cost Sharing Employer Defined Benefit Pension Plan. A separate accounting valuation report for such purposes is available on the CalPERS website.

The measurements shown in this actuarial valuation may not be applicable for other purposes. The employer should contact their actuary before disseminating any portion of this report for any reason that is not explicitly described above.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; changes in actuarial policies; and changes in plan provisions or applicable law.

Assessment and Disclosure of Risk

This report includes the following risk disclosures consistent with the recommendations of Actuarial Standards of Practice No. 51 and recommended by the California Actuarial Advisory Panel (CAAP) in the Model Disclosure Elements document:

- A "Scenario Test," projecting future results under different investment income returns.
- A "Sensitivity Analysis," showing the impact on current valuation results using alternative discount rates of 6.0% and 8.0%.
- A "Sensitivity Analysis," showing the impact on current valuation results assuming rates of mortality are 10% lower or 10% higher than our current post- retirement mortality assumptions adopted in 2017
- Pension Plan maturity measures quantifying the risks the employer bears.

Required Employer Contributions

	Fiscal Year
Required Employer Contributions	2022-23
Employer Normal Cost Rate	7.47%
Plus	
Required Payment on Amortization Bases ¹	\$1,275
Paid either as	
1) Monthly Payment	\$106.25
0r	
2) Annual Prepayment Option*	\$1,233

The total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll and paid as payroll is reported) plus the Employer Unfunded Accrued Liability (UAL) Contribution Amount (billed monthly (1) or prepaid annually (2) in dollars).

* Only the UAL portion of the employer contribution can be prepaid (which must be received in full no later than July 31).

	Fiscal Year	Fiscal Year
	2021-22	2022-23
Development of Normal Cost as a Percentage of Payroll		
Base Total Normal Cost for Formula	14.34%	14.22%
Surcharge for Class 1 Benefits ²		
None	0.00%	0.00%
Phase out of Normal Cost Difference ³	0.00%	0.00%
Plan's Total Normal Cost	14.34%	14.22%
Plan's Employee Contribution Rate ⁴	6.75%	6.75%
Employer Normal Cost Rate	7.59%	7.47%

¹ The required payment on amortization bases does not take into account any additional discretionary payment made after April 30, 2021.

² Section 2 of this report contains a list of Class 1 benefits and corresponding surcharges for each benefit.

³ The normal cost change is phased out over a five-year period in accordance with the CalPERS contribution allocation policy.

⁴ For detail regarding the determination of the required PEPRA employee contribution rate see Section on PEPRA Member Contribution Rates.

Additional Discretionary Employer Contributions

The minimum required employer contribution towards the Unfunded Accrued Liability (UAL) for this rate plan for the 2022-23 fiscal year is \$1,275. CalPERS allows employers to make additional discretionary payments (ADPs) at any time and in any amount. These optional payments serve to reduce the UAL and future required contributions and can result in significant long-term savings. Employers can also use ADPs to stabilize annual contributions as a fixed dollar amount, percent of payroll or percent of revenue.

Provided below are select ADP options for consideration. Making such an ADP during fiscal year 2022-23 does not require an ADP be made in any future year, nor does it change the remaining amortization period of any portion of unfunded liability. For information on permanent changes to amortization periods, see the "Amortization Schedule and Alternatives" section of the report.

If you are considering making an ADP, please contact your actuary for additional information.

Minimum Required Employer Contribution for Fiscal Year 2022-23

Estimated	Minimum UAL	ADP	Total UAL	Estimated Total
Normal Cost	Payment		Contribution	Contribution
\$16,751	\$1,275	\$0	\$1,275	\$18,026

Alternative Fiscal Year 2022-23 Employer Contributions for Greater UAL Reduction

Funding	Estimated	Minimum UAL	ADP ¹	Total UAL	Estimated Total
Target	Normal Cost	Payment		Contribution	Contribution
5 years	N/A	N/A	N/A	N/A	N/A

¹ The ADP amounts are assumed to be made in the middle of the fiscal year. A payment made earlier or later in the fiscal year would have to be less or more than the amount shown to have the same effect on the UAL amortization.

Note that the calculations above are based on the projected Unfunded Accrued Liability as of June 30, 2022 as determined in the June 30, 2020 actuarial valuation. New unfunded liabilities can emerge in future years due to assumption or method changes, changes in plan provisions and actuarial experience different than assumed. Making an ADP illustrated above for the indicated number of years will not result in a plan that is exactly 100% funded in the indicated number of years. Valuation results will vary from one year to the next and can diverge significantly from projections over a period of several years.

Plan's Funded Status

	June 30, 2019	June 30, 2020
1. Present Value of Projected Benefits (PVB)	\$495,697	\$401,166
2. Entry Age Accrued Liability (AL)	114,244	156,941
3. Plan's Market Value of Assets (MVA)	106,440	145,610
4. Unfunded Accrued Liability (UAL) [(2) - (3)]	7,804	11,331
5. Funded Ratio [(3) / (2)]	93.2%	92.8%

This measure of funded status is an assessment of the need for future employer contributions based on the selected actuarial cost method used to fund the plan. The UAL is the present value of future employer contributions for service that has already been earned and is in addition to future normal cost contributions for active members. For a measure of funded status that is appropriate for assessing the sufficiency of plan assets to cover estimated termination liabilities, please see "Hypothetical Termination Liability" in the "Risk Analysis" section.

Projected Employer Contributions

The table below shows the required and projected employer contributions (before cost sharing) for the next six fiscal years. The projection assumes that all actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur during the projection period. Actual contribution rates during this projection period could be significantly higher or lower than the projection shown below.

	Required Contribution	Projected Future Employer Contributions (Assumes 7.00% Return for Fiscal Year 2020-21)							
Fiscal Year	2022-23	2023-24	2026-27	2027-28					
		Rate Plan 27306 Results							
Normal Cost % 7.47%		7.5%	7.5%	7.5%	7.5%	7.5%			
UAL Payment	\$1,275	\$1,300	\$1,300	\$1,300	\$0				

For some sources of UAL, the change in UAL is amortized using a 5-year ramp up. For more information, please see "Amortization of the Unfunded Actuarial Accrued Liability" under "Actuarial Methods" in Appendix A of the Section 2 Report. This method phases in the impact of the change in UAL over a 5-year period in order to reduce employer cost volatility from year to year. As a result of this methodology, dramatic changes in the required employer contributions in any one year are less likely. However, required contributions can change gradually and significantly over the next five years. In years when there is a large increase in UAL, the relatively small amortization payments during the ramp up period could result in a funded ratio that is projected to decrease initially while the contribution impact of the increase in the UAL is phased in.

For projected contributions under alternate investment return scenarios, please see the "Future Investment Return Scenarios" in the "Risk Analysis" section.

Our online pension plan modeling and projection tool, Pension Outlook, is available in the Employers section of the CalPERS website. Pension Outlook is a tool to help plan and budget pension costs into the future with results and charts that are easy to understand.

Other Pooled Miscellaneous Risk Pool Rate Plans

All of the results presented in this Section 1 report, except those shown below, correspond to rate plan 27306. In many cases, employers have additional rate plans within the same risk pool. For cost analysis and budgeting it is useful to consider contributions for these rate plans as a whole rather than individually. The estimated contribution amounts and rates for all of the employer's rate plans in the Miscellaneous Risk Pool are shown below and assume that the payroll for each rate plan will grow according to the overall payroll growth assumption of 2.75% per year for three years.

Estimated Combined Employer Contributions for all Pooled M	Fiscal Year 2021-22 scellaneous Rate Pl	Fiscal Year 2022-23 ans
Projected Payroll for the Contribution Year Estimated Employer Normal Cost	\$2,760,221 \$276,768	\$2,780,711 \$280,578
Required Payment on Amortization Bases Estimated Total Employer Contributions Estimated Total Employer Contribution Rate (illustrative only)	\$10,041 \$286,809 10.39%	\$27,624 \$308,202 11.08%

Cost

Actuarial Determination of Pension Plan Cost

Contributions to fund the pension plan are comprised of two components:

- Normal Cost, expressed as a percentage of total active payroll
- Amortization of the Unfunded Accrued Liability (UAL), expressed as a dollar amount

For fiscal years prior to 2016-17, the Amortization of UAL component was expressed as a percentage of total active payroll. Starting with fiscal year 2016-17, the Amortization of UAL component was expressed as a dollar amount and invoiced on a monthly basis. There continues to be an option to prepay this amount during July of each fiscal year.

The Normal Cost component is expressed as a percentage of active payroll with employer and employee contributions payable as part of the regular payroll reporting process.

The determination of both components requires complex actuarial calculations. The calculations are based on a set of actuarial assumptions which can be divided into two categories:

- Demographic assumptions (e.g., mortality rates, retirement rates, employment termination rates, disability rates)
- Economic assumptions (e.g., future investment earnings, inflation, salary growth rates)

These assumptions reflect CalPERS' best estimate of future experience of the plan and are long term in nature. We recognize that all assumptions will not be realized in any given year. For example, the investment earnings at CalPERS have averaged 5.5% over the 20 years ending June 30, 2020, yet individual fiscal year returns have ranged from -23.6% to +20.7%. In addition, CalPERS reviews all actuarial assumptions by conducting in-depth experience studies every four years, with the most recent experience study completed in 2017.

Changes Since the Prior Year's Valuation

Benefits

The standard actuarial practice at CalPERS is to recognize mandated legislative benefit changes in the first annual valuation following the effective date of the legislation. Voluntary benefit changes by plan amendment are generally included in the first valuation that is prepared after the amendment becomes effective, even if the valuation date is prior to the effective date of the amendment.

This valuation generally reflects plan changes by amendments effective before the date of the report. Please refer to the "Plan's Major Benefit Options" and Appendix B of the Section 2 Report for a summary of the plan provisions used in this valuation.

Actuarial Methods and Assumptions

The are no significant changes to the actuarial methods or assumptions for the 2020 actuarial valuation.

Subsequent Events

The contribution requirements determined in this actuarial valuation report are based on demographic and financial information as of June 30, 2020. Changes in the value of assets subsequent to that date are not reflected. Investment returns below the assumed rate of return will increase future required contributions while investment returns above the assumed rate of return will decrease future required contributions.

CalPERS will be completing an Asset Liability Management (ALM) process in November 2021 that will review the capital market assumptions and the strategic asset allocation and ascertain whether a change in the discount rate and other economic assumptions is warranted. As part of the ALM process the Actuarial Office will be completing an Experience Study to review the demographic experience of the retirement system and make recommendations to modify future assumptions where appropriate.

Furthermore, this valuation does not reflect any impacts from the COVID-19 pandemic on your pension plan. The impact of COVID-19 on retirement plans is not yet known and CalPERS actuaries will continue to monitor the effects and where necessary make future adjustments to actuarial assumptions.

The projected employer contributions on Page 6 are calculated under the assumption that the discount rate remains at 7.0% going forward and that the realized rate of return on assets for fiscal year 2020-21 is 7.0%.

This actuarial valuation report reflects statutory changes, regulatory changes and CalPERS Board actions through January 2021. Any subsequent changes or actions are not reflected.

Assets and Liabilities

- Breakdown of Entry Age Accrued Liability
- Allocation of Plan's Share of Pool's Experience/Assumption Change
- Development of Plan's Share of Pool's Market Value of Assets
- Schedule of Plan's Amortization Bases
- Amortization Schedule and Alternatives
- Employer Contribution History
- Funding History

Breakdown of Entry Age Accrued Liability

Active Members	\$77,142
Transferred Members	49,774
Terminated Members	30,025
Members and Beneficiaries Receiving Payments	<u>0</u>
Total	\$156,941

Allocation of Plan's Share of Pool's Experience/Assumption Change

It is the policy of CalPERS to ensure equity within the risk pools by allocating the pool's experience gains/losses and assumption changes in a manner that treats each employer equitably and maintains benefit security for the members of the System while minimizing substantial variations in employer contributions. The Pool's experience gains/losses and impact of assumption/method changes is allocated to the plan as follows:

1.	Plan's Accrued Liability	\$156,941
2.	Projected UAL balance at 6/30/2020	7,403
3.	Pool's Accrued Liability ¹	19,314,480,060
4.	Sum of Pool's Individual Plan UAL Balances at 6/30/2020 ¹	4,306,566,797
5.	Pool's 2019/20 Investment (Gain)/Loss ¹	344,968,792
6.	Pool's 2019/20 Non-Investment (Gain)/Loss ¹	60,428,629
7.	Plan's Share of Pool's Investment (Gain)/Loss: $[(1) - (2)] \div [(3) - (4)] \times (5)$	3,437
8.	Plan's Share of Pool's Non-Investment (Gain)/Loss: (1) \div (3) \times (6)	491
9.	Plan's New (Gain)/Loss as of 6/30/2020: (7) + (8)	3,928

¹ Does not include plans that transferred to Pool on the valuation date.

Development of the Plan's Share of Pool's Market Value of Assets

10.	Plan's UAL: (2) + (9)	\$11,331
11.	Plan's Share of Pool's MVA: (1) - (10)	\$145,610

Schedule of Plan's Amortization Bases

Note that there is a two-year lag between the valuation date and the start of the contribution fiscal year.

- The assets, liabilities, and funded status of the plan are measured as of the valuation date: June 30, 2020.
- The required employer contributions determined by the valuation are for the fiscal year beginning two years after the valuation date: fiscal year 2022-23.

This two-year lag is necessary due to the amount of time needed to extract and test the membership and financial data, and the need to provide public agencies with their required employer contribution well in advance of the start of the fiscal year.

The Unfunded Accrued Liability (UAL) is used to determine the employer contribution and therefore must be rolled forward two years from the valuation date to the first day of the fiscal year for which the contribution is being determined. The UAL is rolled forward each year by subtracting the expected payment on the UAL for the fiscal year and adjusting for interest. The expected payment for the first fiscal year is determined by the actuarial valuation two years ago and the contribution for the second year is from the actuarial valuation one year ago. Additional discretionary payments are reflected in the Expected Payments column in the fiscal year they were made by the agency.

Reason for Base	Date Est.	Ramp Level 2022-23	Ramp Shape	Escala- tion Rate	Amort. Period	Balance 6/30/20	Expected Payment 2020-21	Balance 6/30/21	Expected Payment 2021-22	Balance 6/30/22	Minimum Required Payment 2022-23
Fresh Start	6/30/20		Ramp	0.00%	5	11,331	6,592	5,305	260	5,407	1,275
Total			-			11,331	6,592	5,305	260	5,407	1,275

The (gain)/loss bases are the plan's allocated share of the risk pool's (gain)/loss for the fiscal year as disclosed in "Allocation of Plan's Share of Pool's Experience/Assumption Change" earlier in this section. These (gain)/loss bases will be amortized in accordance with the CalPERS amortization policy in effect at the time the base was established.

Amortization Schedule and Alternatives

The amortization schedule on the previous page shows the minimum contributions required according to the CalPERS amortization policy. Many agencies have expressed a desire for a more stable pattern of payments or have indicated interest in paying off the unfunded accrued liabilities more quickly than required. As such, we have provided alternative amortization schedules to help analyze the current amortization schedule and illustrate the potential savings of accelerating unfunded liability payments.

Shown on the following page are future year amortization payments based on 1) the current amortization schedule reflecting the individual bases and remaining periods shown on the previous page, and 2) alternative "fresh start" amortization schedules using two sample periods that would both result in interest savings relative to the current amortization schedule. To initiate a Fresh Start, please consult with your plan actuary.

The Current Amortization Schedule typically contains both positive and negative bases. Positive bases result from plan changes, assumption changes, method changes or plan experience that increase unfunded liability. Negative bases result from plan changes, assumption changes, method changes, or plan experience that decrease unfunded liability. The combination of positive and negative bases within an amortization schedule can result in unusual or problematic circumstances in future years, such as:

- When a negative payment would be required on a positive unfunded actuarial liability; or
- When the payment would completely amortize the total unfunded liability in a very short time period, and results in a large change in the employer contribution requirement.

In any year when one of the above scenarios occurs, the actuary will consider corrective action such as replacing the existing unfunded liability bases with a single "fresh start" base and amortizing it over a reasonable period.

The Current Amortization Schedule on the following page may appear to show that, based on the current amortization bases, one of the above scenarios will occur at some point in the future. It is impossible to know today whether such a scenario will in fact arise since there will be additional bases added to the amortization schedule in each future year. Should such a scenario arise in any future year, the actuary will take appropriate action based on guidelines in the CalPERS amortization policy.

Amortization Schedule and Alternatives (continued)

Alternate Schedules

	Current Am Scheo		0 Year Amortization 0 Year Amortization		ortization	
Date	Balance	Payment	Balance	Payment	Balance	Payment
6/30/2022	5,407	1,275	N/A	N/A	N/A	N/A
6/30/2023	4,467	1,275				
6/30/2024	3,461	1,275				
6/30/2025	2,384	1,275				
6/30/2026	1,232	1,274				
6/30/2027						
6/30/2028						
6/30/2029						
6/30/2030						
6/30/2031						
6/30/2032						
6/30/2033						
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6/30/2042						
6/30/2043						
6/30/2044						
6/30/2045						
6/30/2046						
6/30/2047						
6/30/2048						
6/30/2049						
6/30/2050						
6/30/2051						
Total		6,374		N/A		N/A
Interest Paid		967	_	N/A		N/A
Estimated Savin	gs		_	N/A		N/A

Employer Contribution History

The table below provides a recent history of the required employer contributions for the plan. The amounts are based on the actuarial valuation from two years prior and does not account for prepayments or benefit changes made during a fiscal year. Additional discretionary payments before July 1, 2019 or after June 30, 2020 are not included.

Fiscal Year	Employer Normal Cost	Unfunded Liability Payment (\$)	Additional Discretionary Payments
2017 - 18	6.533%	\$63	N/A
2018 - 19	6.842%	104	N/A
2019 - 20	6.985%	633	2,205
2020 - 21	7.732%	1,954	
2021 - 22	7.59%	1,520	
2022 - 23	7.47%	1,275	

Funding History

The table below shows the recent history of the actuarial accrued liability, share of the pool's market value of assets, unfunded accrued liability, funded ratio, and annual covered payroll.

Valuation Date	Accrued Liability (AL)	Share of Pool's Market Value of Assets (MVA)	Unfunded Accrued Liability (UAL)	Funded Ratio	Annual Covered Payroll
06/30/2015	\$5,024	\$4,780	\$244	95.2%	\$94,952
06/30/2016	18,274	16,674	1,600	91.2%	87,067
06/30/2017	51,511	50,336	1,175	97.7%	240,658
06/30/2018	69,025	66,288	2,737	96.0%	257,499
06/30/2019	114,244	106,440	7,804	93.2%	289,593
06/30/2020	156,941	145,610	11,331	92.8%	206,721

Risk Analysis

- Future Investment Return Scenarios
- Discount Rate Sensitivity
- Mortality Rate Sensitivity
- Maturity Measures
- Maturity Measures History
- Hypothetical Termination Liability

Future Investment Return Scenarios

Analysis was performed to determine the effects of various future investment returns on required employer contributions. The projections below provide a range of results based on five investment return scenarios assumed to occur during the next four fiscal years (2020-21, 2021-22, 2022-23 and 2023-24). The projections also assume that all other actuarial assumptions will be realized and that no further changes to assumptions, contributions, benefits, or funding will occur.

For fiscal years 2020-21, 2021-22, 2022-23, and 2023-24, each scenario assumes an alternate fixed annual return. The fixed return assumptions for the five scenarios are 1.0%, 4.0%, 7.0%, 9.0% and 12.0%.

These alternate investment returns were chosen based on stochastic analysis of possible future investment returns over the four-year period ending June 30, 2024. Using the expected returns and volatility of the asset classes in which the funds are invested, we produced five thousand stochastic outcomes for this period based on the most recently completed Asset Liability Management process. We then selected annual returns that approximate the 5th, 25th, 50th, 75th, and 95th percentiles for these outcomes. For example, of all the 4-year outcomes generated in the stochastic analysis, approximately 25% had an average annual return of 4.0% or less.

Required contributions outside of this range are also possible. In particular, whereas it is unlikely that investment returns will average less than 1.0% or greater than 12.0% over this four-year period, the likelihood of a single investment return less than 1.0% or greater than 12.0% in any given year is much greater.

Assumed Annual Return From 2020-21 through 2023-24	Projected Employer Contributions					
2020 21 tillough 2023 24	2023-24	2024-25	2025-26	2026-27		
1.0%						
Normal Cost	7.5%	7.5%	7.5%	7.5%		
UAL Contribution	\$1,500	\$1,900	\$2,600	\$3,500		
4.0%						
Normal Cost	7.5%	7.5%	7.5%	7.5%		
UAL Contribution	\$1,400	\$1,600	\$1,900	\$2,400		
7.0%						
Normal Cost	7.5%	7.5%	7.5%	7.5%		
UAL Contribution	\$1,300	\$1,300	\$1,300	\$1,300		
9.0%						
Normal Cost	7.6%	7.8%	8.0%	7.4%		
UAL Contribution	\$1,200	\$0	\$0	\$0		
12.0%			_			
Normal Cost	7.6%	7.8%	8.0%	7.4%		
UAL Contribution	\$0	\$0	\$0	\$0		

Discount Rate Sensitivity

The discount rate assumption is calculated as the sum of the assumed real rate of return and the assumed annual price inflation, currently 4.50% and 2.50%, respectively. Changing either the price inflation assumption or the real rate of return assumption will change the discount rate. The sensitivity of the valuation results to the discount rate assumption depends on which component of the discount rate is changed. Shown below are various valuation results as of June 30, 2020 assuming alternate discount rates by changing the two components independently. Results are shown using the current discount rate of 7.0% as well as alternate discount rates of 6.0% and 8.0%. The rates of 6.0% and 8.0% were selected since they illustrate the impact of a 1.0% increase or decrease to the 7.0% assumption.

Sensitivity to the Real Rate of Return Assumption

As of June 30, 2020	1% Lower Real Return Rate	Current Assumptions	1% Higher Real Return Rate
Discount Rate	6.0%	7.0%	8.0%
Inflation	2.5%	2.5%	2.5%
Real Rate of Return	3.5%	4.5%	5.5%
a) Total Normal Cost	17.65%	14.22%	11.59%
b) Accrued Liability	\$186,677	\$156,941	\$134,062
c) Market Value of Assets	\$145,610	\$145,610	\$145,610
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$41,067	\$11,331	(\$11,548)
e) Funded Status	78.0%	92.8%	108.6%

Sensitivity to the Price Inflation Assumption

As of June 30, 2020	1% Lower Inflation Rate	Current Assumptions	1% Higher Inflation Rate
Discount Rate	6.0%	7.0%	8.0%
Inflation	1.5%	2.5%	3.5%
Real Rate of Return	4.5%	4.5%	4.5%
a) Total Normal Cost	15.20%	14.22%	13.05%
b) Accrued Liability	\$165,747	\$156,941	\$146,321
c) Market Value of Assets	\$145,610	\$145,610	\$145,610
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$20,137	\$11,331	\$711
e) Funded Status	87.9%	92.8%	99.5%

Mortality Rate Sensitivity

The following table looks at the change in the June 30, 2020 plan costs and funded status under two different longevity scenarios, namely assuming post-retirement rates of mortality are 10% lower or 10% higher than our current mortality assumptions adopted in 2017. This type of analysis highlights the impact on the plan of improving or worsening mortality over the long-term.

As of June 30, 2020	10% Lower Mortality Rates	Current Assumptions	10% Higher Mortality Rates
a) Total Normal Cost	14.49%	14.22%	13.97%
b) Accrued Liability	\$159,463	\$156,941	\$154,603
c) Market Value of Assets	\$145,610	\$145,610	\$145,610
d) Unfunded Liability/(Surplus) [(b) - (c)]	\$13,853	\$11,331	\$8,993
e) Funded Status	91.3%	92.8%	94.2%

Maturity Measures

As pension plans mature they become more sensitive to risks. Understanding plan maturity and how it affects the ability of a pension plan sponsor to tolerate risk is important in understanding how the pension plan is impacted by investment return volatility, other economic variables and changes in longevity or other demographic assumptions. Since it is the employer that bears the risk, it is appropriate to perform this analysis on a pension plan level considering all rate plans. The following measures are for one rate plan only.

One way to look at the maturity level of CalPERS and its plans is to look at the ratio of a plan's retiree liability to its total liability. A pension plan in its infancy will have a very low ratio of retiree liability to total liability. As the plan matures, the ratio starts increasing. A mature plan will often have a ratio above 60%-65%.

Ratio of Retiree Accrued Liability to Total Accrued Liability	June 30, 2019	June 30, 2020
1. Retired Accrued Liability	0	0
2. Total Accrued Liability	114,244	156,941
3. Ratio of Retiree AL to Total AL [(1) / (2)]	0.00	0.00

Another measure of maturity level of CalPERS and its plans is to look at the ratio of actives to retirees, also called the Support Ratio. A pension plan in its infancy will have a very high ratio of active to retired members. As the plan matures, and members retire, the ratio starts declining. A mature plan will often have a ratio near or below one. The average support ratio for CalPERS public agency plans is 1.25.

Support Ratio	June 30, 2019	June 30, 2020
1. Number of Actives	5	3
2. Number of Retirees	0	0
3. Support Ratio [(1) / (2)]	N/A	N/A

Maturity Measures (Continued)

The actuarial calculations supplied in this communication are based on various assumptions about long-term demographic and economic behavior. Unless these assumptions (e.g., terminations, deaths, disabilities, retirements, salary growth, and investment return) are exactly realized each year, there will be differences on a year-to-year basis. The year-to-year differences between actual experience and the assumptions are called actuarial gains and losses and serve to lower or raise required employer contributions from one year to the next. Therefore, employer contributions will inevitably fluctuate, especially due to the ups and downs of investment returns.

Asset Volatility Ratio (AVR)

Shown in the table below is the asset volatility ratio (AVR), which is the ratio of market value of assets to payroll. Plans that have higher AVR experience more volatile employer contributions (as a percentage of payroll) due to investment return. For example, a plan with an asset-to-payroll ratio of 8 may experience twice the contribution volatility due to investment return volatility than a plan with an asset-to-payroll ratio of 4. It should be noted that this ratio is a measure of the current situation. It increases over time but generally tends to stabilize as the plan matures.

Liability Volatility Ratio (LVR)

Also shown in the table below is the liability volatility ratio (LVR), which is the ratio of accrued liability to payroll. Plans that have a higher LVR experience more volatile employer contributions (as a percentage of payroll) due to investment return and changes in liability. For example, a plan with LVR ratio of 8 is expected to have twice the contribution volatility of a plan with LVR of 4. It should be noted that this ratio indicates a longer-term potential for contribution volatility. The AVR, described above, will tend to move closer to the LVR as a plan matures.

Contribution Volatility	June 30, 2019	June 30, 2020
Market Value of Assets	\$106,440	\$145,610
2. Payroll	289,593	206,721
3. Asset Volatility Ratio (AVR) [(1) / (2)]	0.4	0.7
4. Accrued Liability	\$114,244	\$156,941
5. Liability Volatility Ratio (LVR) [(4) / (2)]	0.4	0.8

Maturity Measures History

Valuation Date	Ratio of Retiree Accrued Liability to Total Accrued Liability	Support Ratio	Asset Volatility Ratio	Liability Volatility Ratio
06/30/2017	0.00	N/A	0.2	0.2
06/30/2018	0.00	N/A	0.3	0.3
06/30/2019	0.00	N/A	0.4	0.4
06/30/2020	0.00	N/A	0.7	0.8

Hypothetical Termination Liability

The hypothetical termination liability is an estimate of the financial position of the plan had the contract with CalPERS been terminated as of June 30, 2020. The plan liability on a termination basis is calculated differently compared to the plan's ongoing funding liability. For the hypothetical termination liability calculation, both compensation and service are frozen as of the valuation date and no future pay increases or service accruals are assumed. This measure of funded status is not appropriate for assessing the need for future employer contributions in the case of an ongoing plan, that is, for an employer that continues to provide CalPERS retirement benefits to active employees.

A more conservative investment policy and asset allocation strategy was adopted by the CalPERS Board for the Terminated Agency Pool. The Terminated Agency Pool has limited funding sources since no future employer contributions will be made. Therefore, expected benefit payments are secured by risk-free assets and benefit security for members is increased while limiting the funding risk. However, this asset allocation has a lower expected rate of return than the PERF and consequently, a lower discount rate is assumed. The lower discount rate for the Terminated Agency Pool results in higher liabilities for terminated plans.

The effective termination discount rate will depend on actual market rates of return for risk-free securities on the date of termination. As market discount rates are variable, the table below shows a range for the hypothetical termination liability based on the lowest and highest interest rates observed during an approximate 19-month period from 12 months before the valuation date to 7 months after.

Market Value of Assets (MVA)	Hypothetical Termination Liability ^{1,2} at 0.75%	Funded Status	Unfunded Termination Liability at 0.75%	Hypothetical Termination Liability ^{1,2} at 2.50%	Funded Status	Unfunded Termination Liability at 2.50%	
\$145,610	\$547,744	26.6%	\$402,134	\$344,214	42.3%	\$198,604	

¹ The hypothetical liabilities calculated above include a 5% mortality contingency load in accordance with Board policy. Other actuarial assumptions can be found in Appendix A of the Section 2 report.

In order to terminate the plan, you must first contact our Retirement Services Contract Unit to initiate a Resolution of Intent to Terminate. The completed Resolution will allow the plan actuary to give you a preliminary termination valuation with a more up-to-date estimate of the plan liabilities. CalPERS advises you to consult with the plan actuary before beginning this process.

² The current discount rate assumption used for termination valuations is a weighted average of the 10-year and 30-year U.S. Treasury yields where the weights are based on matching asset and liability durations as of the termination date. The discount rates used in the table are based on 20-year Treasury bonds, rounded to the nearest quarter percentage point, which is a good proxy for most plans. The 20-year Treasury yield was 1.18% on June 30, 2020, and was 1.68% on January 31, 2021.

Participant Data

The table below shows a summary of your plan's member data upon which this valuation is based:

	June 30, 2019	June 30, 2020
Active Members		
Counts	5	3
Average Attained Age	N/A	38.4
Average Entry Age to Rate Plan	N/A	36.1
Average Years of Credited Service	N/A	2.4
Average Annual Covered Pay	\$57,919	\$68,907
Annual Covered Payroll	\$289,593	\$206,721
Projected Annual Payroll for Contribution Year	\$314,147	\$224,249
Present Value of Future Payroll	\$2,729,213	\$1,919,796
Transferred Members	0	1
Separated Members	5	6
Retired Members and Beneficiaries		
Counts*	0	0
Average Annual Benefits*	N/A	\$0

Counts of members included in the valuation are counts of the records processed by the valuation. Multiple records may exist for those who have service in more than one valuation group. This does not result in double counting of liabilities.

List of Class 1 Benefit Provisions

This plan has the additional Class 1 Benefit Provisions:

None

^{*} Values include community property settlements.

Plan's Major Benefit Options

Shown below is a summary of the major <u>optional</u> benefits for which your agency has contracted. A description of principal standard and optional plan provisions is in Section 2.

	Benefit Group		
Member Category	Misc		
Demographics Actives Transfers/Separated Receiving	Yes Yes No		
Benefit Provision			
Benefit Formula Social Security Coverage Full/Modified	2% @ 62 No Full		
Employee Contribution Rate	6.75%		
Final Average Compensation Period	Three Year		
Sick Leave Credit	Yes		
Non-Industrial Disability	Standard		
Industrial Disability	No		
Pre-Retirement Death Benefits Optional Settlement 2 1959 Survivor Benefit Level Special Alternate (firefighters)	Yes Level 3 No No		
Post-Retirement Death Benefits Lump Sum Survivor Allowance (PRSA)	\$500 No		
COLA	2%		

PEPRA Member Contribution Rates

The California Public Employees' Pension Reform Act of 2013 (PEPRA) established new benefit formulas, final compensation period, and contribution requirements for "new" employees (generally those first hired into a CalPERS-covered position on or after January 1, 2013). In accordance with Government Code Section 7522.30(b), "new members ... shall have an initial contribution rate of at least 50% of the normal cost rate." The normal cost rate is dependent on the plan of retirement benefits, actuarial assumptions and demographics of the risk pool, particularly members' entry age. Should the total normal cost rate change by more than 1% from the base total normal cost rate, the new member rate shall be 50% of the new normal cost rate rounded to the nearest quarter percent.

The table below shows the determination of the PEPRA member contribution rates effective July 1, 2022, based on 50% of the total normal cost rate as of the June 30, 2020 valuation.

		Basis for Current Rate		Rates Effective July 1, 2022			
Rate Plan Identifier	Benefit Group Name	Total Normal Cost	Member Rate	Total Normal Cost	Change	Change Needed	Member Rate
27306	Miscellaneous PEPRA Level	13.735%	6.75%	14.22%	0.485%	No	6.75%

Section 2

CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM

Risk Pool Actuarial Valuation Information

Section 2 may be found on the CalPERS website (calpers.ca.gov) in the Forms and Publications section



Board Memorandum

October 14, 2021

To:

General Manager

From: Tamara Sexton, Manager of Finance

Fiscal Year 2020-21 Draft Annual Comprehensive Financial Report Subject:

Objective: Receive a briefing from Staff on the Fiscal Year (FY) 2020-21 Draft Annual Comprehensive Financial Report (ACFR).

Action Required: No action necessary; for information only.

Discussion: The Draft ACFR contains the FY 2020-21 end-of-year financial statements for the District and contains an unmodified audit opinion.

Included in the ACFR is a Management Discussion and Analysis (MD&A) of the financial statements, as required under the provisions of Governmental Accounting Standards Board (GASB) Statement 34. The MD&A immediately precedes the draft audited financial statements.

The report is presented for information and discussion at this time. The Final ACFR will be presented for acceptance at the Board Meeting scheduled for October 28, 2021, and the auditors, Nitin Patel and Tiffany Fung of CliftonLarsonAllen LLP, will be available to answer questions.

Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford



Board of Directors Camrosa Water District Camarillo, California

We have audited the financial statements of the Camrosa Water District as of and for the year ended June 30, 2021, and have issued our report thereon dated REPORT DATE. We have previously communicated to you information about our responsibilities under auditing standards generally accepted in the United States of America and *Government Auditing Standards*, as well as certain information related to the planned scope and timing of our audit. Professional standards also require that we communicate to you the following information related to our audit.

Significant audit findings

Qualitative aspects of accounting practices

Accounting policies

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by Camrosa Water District are described in Note 1 to the financial statements.

No new accounting policies were adopted and the application of existing policies was not changed during 2021.

We noted no transactions entered into by the entity during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimate(s) affecting the financial statements was:

 The annual required contributions, pension expense, net pension liability, and corresponding deferred outflows of resources and deferred inflows of resources for the District's public defined benefit plans with CalPERS are based on an actuarial valuation provided by CalPERS.

We evaluated the key factors and assumptions used to develop the allowance in determining that it is reasonable in relation to the financial statements taken as a whole.

Financial statement disclosures

Certain financial statement disclosures are particularly sensitive because of their significance to financial statement users. The most sensitive disclosure(s) affecting the financial statements was in Note 8 regarding the District's defined benefit pension plan.

The financial statement disclosures are neutral, consistent, and clear.



Difficulties encountered in performing the audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

Uncorrected misstatements

Professional standards require us to accumulate all misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. Management did not identify and we did not notify them of any uncorrected financial statement misstatements.

Corrected misstatements

Management did not identify and we did not notify them of any financial statement misstatements detected as a result of audit procedures.

Disagreements with management

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditors' report. No such disagreements arose during our audit.

Management representations

We have requested certain representations from management that are included in the management representation letter dated REPORT DATE.

Management consultations with other independent accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to the entity's financial statements or a determination of the type of auditors' opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Significant issues discussed with management prior to engagement

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to engagement as the entity's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our engagement.

Other information in documents containing audited financial statements

With respect to the required supplementary information (RSI) accompanying the financial statements, we made certain inquiries of management about the methods of preparing the RSI, including whether the RSI has been measured and presented in accordance with prescribed guidelines, whether the methods of measurement and preparation have been changed from the prior period and the reasons for any such changes, and whether there were any significant assumptions or interpretations underlying the measurement or presentation of the RSI. We compared the RSI for consistency with management's responses to the foregoing inquiries, the basic financial statements, and other knowledge obtained during the audit of the basic financial statements. Because these limited procedures do not provide sufficient evidence, we did not express an opinion or provide any assurance on the RSI.

Board of Directors Camrosa Water District Page 3

The introductory section, other supplementary information, and the statistical section accompanying the financial statements, which is the responsibility of management, was prepared for purposes of additional analysis and is not a required part of the financial statements. Such information was not subjected to the auditing procedures applied in the audit of the financial statements, and, accordingly, we did not express an opinion or provide any assurance on it.

* * *

This communication is intended solely for the information and use of the Board of Directors and management of Camrosa Water District and is not intended to be, and should not be, used by anyone other than these specified parties.

CliftonLarsonAllen LLP

Irvine, California REPORT DATE

Annual Comprehensive Financial Report

For the Fiscal Years Ended June 30, 2021 and June 30, 2020



Board of Directors

Eugene F. West, *President*Terry L. Foreman, *Vice-President*Al E. Fox, *Director*Jeffrey C. Brown, *Director*Timothy H. Hoag, *Director*

BUILDING WATER SELF-RELIANCE

General Manager Tony L. Stafford

Prepared By:

Tamara Sexton, Finance Manager and Sandra Llamas, Senior Accountant

Camrosa Water District

Comprehensive Annual Financial Report For the Fiscal Years Ended June 30, 2021 and June 2020

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Introductory Section



October 28, 2021

Members of the Board of Directors Camrosa Water District

Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

Board of Directors

Letter of Transmittal

It is our pleasure to submit Camrosa Water District's Annual Financial Report for the fiscal year ending June 30, 2021 (FY2020-21). This report was prepared pursuant to the guidelines set forth by the Governmental Accounting Standards Board (GASB).

District staff prepared this financial report in conjunction with an unmodified opinion issued by the independent audit firm CliftonLarsonAllen LLP. The Independent Auditor's Report is located at the front of the Financial Section of this document. Management's Discussion and Analysis (MD&A) immediately follows the Independent Auditor's Report and provides a narrative introduction to, and overview and analysis of, the basic financial statements. The MD&A complements this letter of transmittal and should be read in conjunction with it.

This report consists of management's representations concerning the finances of Camrosa Water District. Consequently, management assumes full responsibility for the completeness and reliability of the information presented in this report. To provide a reasonable basis for making these representations, the District has established a comprehensive internal control framework that is designed both to protect the District's assets from loss, theft or misuse, and to compile sufficient reliable information for the preparation of the District's financial statements in conformity with generally accepted accounting practices (GAAP). Because the cost of internal control should not outweigh its benefits, the District's comprehensive framework of internal controls has been designed to provide reasonable, rather than absolute, assurance that the financial statements will be free from material misstatement. Management asserts that to the best of our knowledge, this financial report is complete and reliable in all material aspects.

District Structure and Leadership

The Camrosa Water District is an independent special district, which operates under the authority of Division 12 of the California Water Code. The District is governed by a five-member Board of Directors, elected at large from within the District's service area.

Director	Title	Division	Expiration of Term	Occupation
Eugene F. West	President	Division 4	November 2024	Attorney
Terry L. Foreman	Vice-President	Division 5	November 2022	Geologist/Hydrogeologist
Al E. Fox	Director	Division 1	November 2022	Realtor
Jeffrey C. Brown	Director	Division 2	November 2022	Investment Consultant
Timothy H. Hoag	Director	Division 3	November 2024	Pharmacist/Teacher

General Manager

Daily operation of the District falls under the responsibility of the General Manager, Tony Stafford. The General Manager administers the day-to-day operations of the District in accordance with policies and procedures established by the Board of Directors. As General Manager, Mr. Stafford is responsible for the general oversight of the production and distribution of potable and non-potable water, as well as wastewater collection, treatment and water recycling at the Camrosa Water Reclamation Facility (CWRF).

The District employs a full-time staff of 24 employees as of June 30, 2021. The District's Board of Directors meets on the second and fourth Thursday of each month. Meetings are publicly noticed and the public are welcome to attend.

District Services

Currently, the District provides three classes of water (potable, non-potable, and recycled) to a population of more than 30,000 people through approximately 11,230 meters, which includes 2,670 equivalent connections in three master-metered communities. The majority of these connections are municipal and industrial, and the remainder (134 as of June 2021) is agricultural.

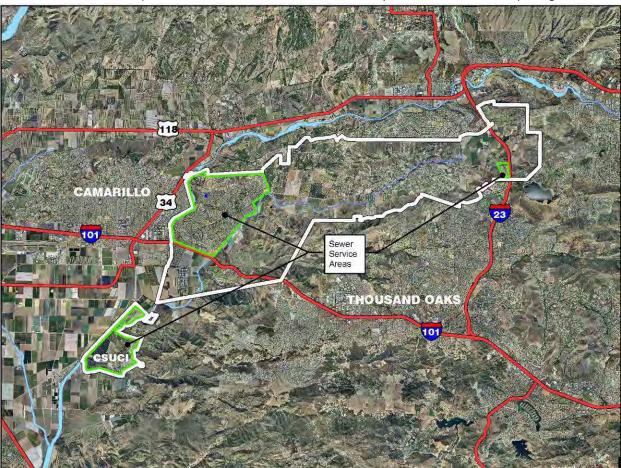


Figure 1 - District Boundaries

Potable water is a blend of local groundwater and imported water, primarily State Water Project (SWP) water from the Sacramento-San Joaquin Delta with a small percentage from the Colorado River Aqueduct (CRA). SWP and CRA water is imported via Metropolitan Water District (MWD) and accounts for approximately 69% of potable supplies. The remaining 31% is groundwater that

is treated at the wellhead and then pumped into the distribution system, either directly or after blending. The non-potable water the District serves is a combination of surface water diverted from Conejo Creek and local groundwater, and recycled water, which is a tertiary-treated product from the CWRF. In FY2020-21 the District delivered 7,847 acre-feet (AF) potable water, 5,706 AF non-potable water and 481 AF of recycled water, totaling 14,033 AF to its customers.

Residential customers make up approximately 90% (number of metered connections) of the District's customer base and consume approximately 46% of the water provided annually by the District.

Wastewater service is limited to 5,845 connections, which includes 9,039 equivalent dwelling units (EDUs), in a portion of the City of Camarillo and a sliver of the City of Thousand Oaks; the remainder of the District is either served by the Camarillo Sanitary District or on septic systems.

Mission and Vision Statement

In October 2008, the Board of Directors completed a long-range Strategic Plan. The Board reevaluated the core business services the District provides to its customers and established the following objectives as the primary strategy to fulfill the District's mission:

- Develop independence from imported water deliveries
- Develop water reliability
- Affordable water and wastewater services
- Provide high quality water
- Strengthen the District's financial position
- Fully develop staff potential
- Improve systems operations and maintenance
- Educate customers
- Protect water supplies
- Exceed all regulatory standards

Our Mission

The Mission of Camrosa Water District is to meet the current and future needs of the community for water and sanitary services. Our products and services will be reliable, affordable, responsive and of high quality. At the same time, the District will prudently manage and maintain the District's assets, honor the public's trust, and maintain public awareness and confidence in the District's activities.

Our Vision

Camrosa is a dynamic, resource-independent public entity that provides highly efficient and responsive service to its water and wastewater customers. The Board is prudent in the management of public resources and innovative in using modern tools to maintain system reliability and financial strength. The District is a lean organization, led by a cohesive Board and staffed by an honest, enthusiastic, highly competent and focused team, who find their work challenging and enjoyable and who have earned the trust of their well-informed customers.

Economic Condition and Outlook

Four main issues continue to impact the FY2021-22 operating revenue and expense budget: California's variable weather, the increasing cost of imported water, effective management of the District's capital assets to provide high-quality service and reliability at affordable rates, and new state mandates. These issues require that the District continue to pursue self-reliance to maximize flexibility in its water supply sources, maintain its infrastructure assets, promote water use efficiency, and proactively engage with state regulatory agencies.

California's Variable Weather

California experiences significant weather volatility. In the last eight years, Southern California has seen the wettest and driest months on record. In 2018, the District experienced the Hill Fire, which broke out at Hill Canyon Road, west of Santa Rosa Road, just before the Woolsey Fire began to grow out of control nearby, followed by a cool and very wet rainfall season that stretched late into 2019. These dramatic weather swings, and the annual precipitation variation depicted in Figure 2 below, exemplify the difficulty of forecasting water sales and highlight the necessity of maintaining a conservative financial outlook.

Nine of the last 11 years have received below-average precipitation. The FY2020-21 rainy season delivered below average precipitation in the Ventura County area and slightly lower-than-normal precipitation in the rest of the state, including the Sierra Nevada. DWR's Final Snow Survey of 2021, measured on April 1, reported that the water content of California snowpack was 59 percent of normal. The survey showed the state continues to experience drought-like conditions, although the outlook is better in northern and central parts of the state than in Southern California. By comparison, the 2018 April survey reported 52 percent of normal, while 2019 reported 162 percent and 2020, 53 percent. DWR initially set the SWP allocation at 10 percent of contracted amounts before lowering it to five in March. (A 100-percent allocation is rare even in wet years due to Delta pumping restrictions to protect threatened and endangered fish species; the last 100-percent allocation was in 2006). Following a below-average 2020 water year, California's major reservoirs are on average below 50 percent of capacity. In August, the Bureau of Reclamation declared the first-ever supply shortage on the Colorado River.

As of July 8, 2021, Governor Newsom has declared a drought state of emergency for 50 of California's 58 counties and called for a voluntary 15-percent reduction in urban water use. Ventura is not one of those counties. Calleguas Municipal Water District recently declared water shortages and Metropolitan Water District recently entered into a Water Supply Alert condition, but neither agency has instituted mandatory reduced allocations for retailers. At the end of 2020, Metropolitan had the largest amount of imported water stored in the agency's history (nearly four million acre feet) and will be withdrawing from storage to meet demands. It is only after two sequential critically dry years that the state's drought emergency apparatus clicks into gear. With the implementation of The Water Conservation and Drought Planning Act of 2018, a new paradigm should be in place by that time that prioritizes local responses. The investments Camrosa ratepayers have made to build self-reliance, including offsetting imported water purchases by increasing the types and volume of local supply, have prepared us for just this kind of extended dry period. We have a diverse supply portfolio that has provided a buffer against potential future reduced allocations of imported water.

Locally, rainfall through June 30 was 5.82 inches, recorded from the Leisure Village CIMIS station, which is less than the ten-year average rainfall for the District of 9.46 inches a year and below the historical average of 15.2 inches a year. Despite wide variability in rainfall over the last ten years, water demand in the Camrosa service area seems to have stabilized.

Average Rainfall Fiscal Years 2012-2021

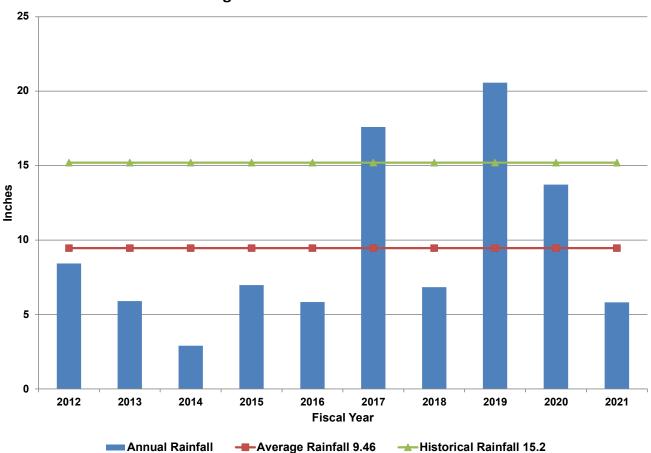


Figure 2 – Historical Rainfall

In general terms, the District went from delivering approximately 17,000 AFY before the drought to slightly less than 12,860 AFY in FY2015-16. Camrosa has experienced increased water sales beginning in FY2016-17, after the Water Supply Shortage was completely removed in May of 2017 and concerted conservation practices waned. The District has experienced a slight increase in water sales in FY2020-21; water sales were 14,035 AF compared to 13,188 AF in FY2019-20. The following graph (Figure 3) reflects the District's acre-feet deliveries.

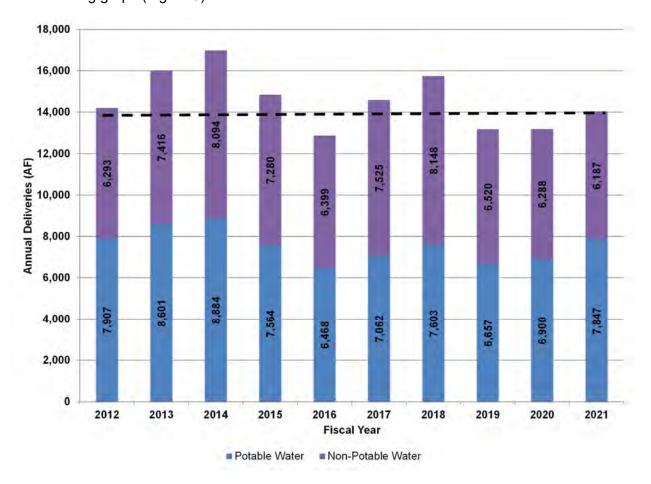


Figure 3 - Historical Acre-Feet Deliveries

Imported Water Rates

State Water Project (SWP) water, imported from the Sacramento-San Joaquin Delta by Metropolitan Water District of Southern California (MWD) and delivered via Calleguas Municipal Water District (CMWD), is the most expensive water in Camrosa's supply portfolio. It has been the strategy of the District to reduce dependence on imported water by developing local resources. The following graph (Figure 4) reflects those efforts.

Camrosa continues to move toward self-reliance and reduce its dependence on the SWP through the development of local-resource projects. Reducing the proportion of Camrosa's water supply that comes from the SWP helps mitigate the effects of reduced water sales; less of that total goes to cover the cost of imported water and can be redirected instead into additional local-resource projects.

During FY2020-21 the District experienced an increase in its imported water portfolio: 45 percent, up from 43 percent the prior year. In 2018, the State Water Board implemented a new maximum contaminant limit (MCL) for 1,2,3,—Trichlorpropane (TCP), a synthetic organic compound that was

an impurity in certain soil fumigants used in agriculture, of 5 ppt. Upon testing, it was discovered above the MCL in three of the wellfield's four wells, which were promptly removed from service. The fourth well was taken offline in early 2020. After an initial, ultimately unsuccessful attempt to resolve the TCP issue with blending, which turned out to be an ineffective strategy due to the very low MCL for TCP and the District's inability to meet its blend plan objectives, CWD is now constructing a granular activated carbon (GAC) treatment plant to treat for the TCP. The plant is expected to be completed in 2022. The wellfield will remain off until that time.

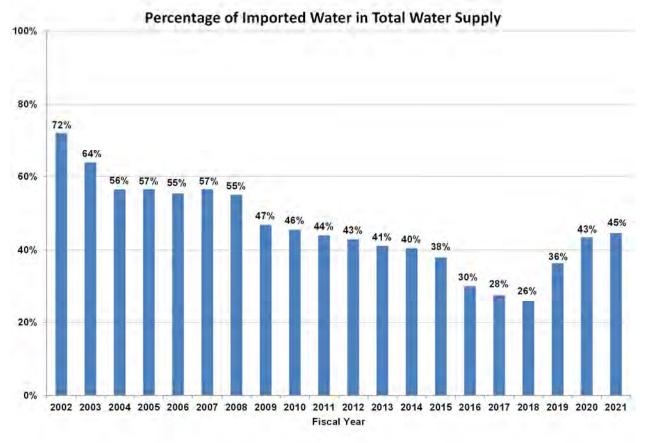


Figure 4 – Percentage of Imported Water in Total Water Supply

The following graph demonstrates the effects of Camrosa's commitment to building self-reliance over the last 19 years. Since the Conejo Creek Project/Non-Potable Surface Water came online in 2003, Camrosa's demand on imported water has fallen off dramatically. Optimizing operations—filling reservoirs, moving water, blending water—has also allowed us to further reduce imported demands. Reductions in total water use since 2014 reflect emergency conservation regulations mandated during the drought through 2016, residual efficient water use since the drought.

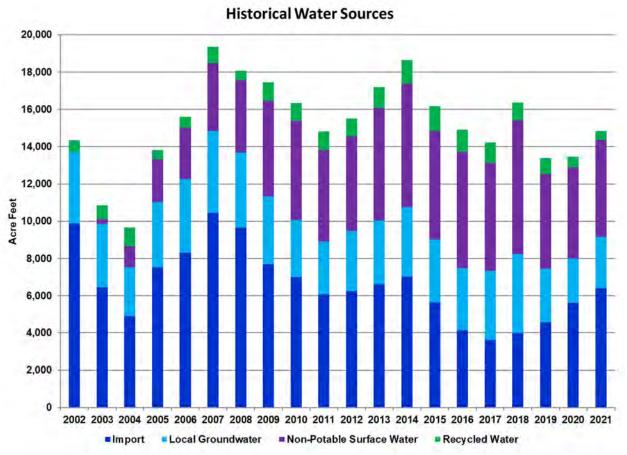


Figure 5 – Historical Water Sources

In addition to being the most expensive source of supply, imported water is also the single largest expense of the District, and the expectation that wholesale rates will continue to escalate provides another incentive to increase self-reliance. In 2021, the MWD Tier 1 wholesale rates increased by 2.4 percent and in 2022 the Tier 1 wholesale rates will increase by an additional 3.8 percent. In addition to MWD's rate increases, CMWD increased its Capital Construction Surcharge, Readiness-to-Serve Charge, and Capacity Reservation Charge, for a combined wholesale rate increase to the District of approximately 2.5 percent in 2021 and 4 percent in 2022.

Any amount of Conejo Creek Project water diverted beyond Camrosa customers' demands is sold to Pleasant Valley County Water District (PVCWD), an agricultural district adjacent to Camrosa on the Oxnard Plain. PVCWD overlies a stressed portion of the Pleasant Valley Basin and every acre foot of creek water Camrosa delivers is one less acre foot that PVCWD has to pump. This benefit to the basin was recognized by the Fox Canyon Groundwater Manager Agency (FCGMA), which oversees groundwater pumping in the Pleasant Valley and Oxnard groundwater basins (among others), in Resolution 2014-01, which transfers to Camrosa from PVCWD a pumping credit in the Pleasant Valley Basin for each acre foot of creek water delivered. Camrosa pumps these credits from the Woodcreek Well and PV Well #2 in the northeastern Pleasant Valley Basin, where groundwater levels are higher and the basin is less stressed.

With the completion of the CamSan Recycled Water Interconnection project in November 2019, Camrosa began receipt of recycled water from the Camarillo Sanitary District (CamSan). Prior to this project, CamSan discharged its tertiary-treated plant effluent to the Conejo Creek (below Camrosa's diversion structure). CamSan was in violation of their NPDES permit and under a Time Schedule Order to stop discharging. The City of Camarillo has a limited recycled water distribution system but does not have any storage at the treatment plant; selling water to Camrosa helps the City avoid violating their NPDES permit and Salinity Management Pipeline discharge fees and provides an additional revenue stream.

Camrosa can store CamSan's water in the District's Storage Ponds and sell it to PVCWD—a practice codified in Camrosa's latest Waste Discharge Requirement permit authorized by the Los Angeles Regional Water Quality Control Board on October 10, 2019. That permit also allows Camrosa to deliver excess CWRF water to PVCWD, which is an operational benefit for the District. Recycled water does not accrue pumping credits as creek water does. It is unknown how long CamSan will continue to have excess recycled water as the City of Camarillo expands its recycled water distribution system, but in the meantime, it is clearly a beneficial project for both agencies. This interconnection also increases Camrosa revenue, improves Camrosa operations, and contributes to regional water supply resilience.

Camrosa built the pipeline to receive CamSan recycled water. Under the sale agreement with CamSan, recycled water is provided free of charge but valued at a specific dollar amount until Camrosa recoups the pipeline cost, after which Camrosa will pay CamSan for recycled water on a volumetric basis. It is expected the recoupment period will end in spring 2022. CamSan anticipates providing recycled water in volumes similar to the past nearly two years since the project came online at least through 2022; changes after that will depend on the expansion of the City's recycled water customer base.

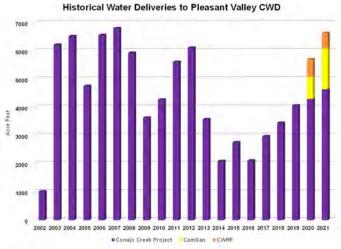


Figure 6 - Historical Water Deliveries to Pleasant Valley CWD

The expectation that wholesales rates will continue to escalate provides another incentive to increase self-reliance. In 2021, the MWD Tier 1 wholesale rates increased by 2.4 percent and in 2022 the Tier 1 wholesale rates will increase by an additional 3.8 percent. In addition to MWD's rate increases, CMWD increased its Capital Construction Surcharge, Readiness-to-Serve Charge, and Capacity Reservation Charge, for a combined wholesale rate increase to the District of approximately 2.5 percent in 2021 and 4 percent in 2022.

The following graph illustrates the projected cost of imported water.

Projected Cost of Imported Water \$2,500 \$2,099 \$2,025 \$2,000 \$1,507 \$1,561 \$1,500 Per Acre Foot CMWD MWD \$1,000 \$500 2021 2022 2023 2024 2025 2026 2027 2030 Calendar Year

Figure 7 – Projected Cost of Imported Water

State Mandates

In May 2018, Governor Brown signed SB 606 and AB 1668, collectively known as the Water Conservation and Drought Planning Act. The act built upon Governor Brown's 2016 Executive Order B-37-16, "Making Conservation a Way of Life," and represents a new paradigm in urban retail water management in the state. The State Water Resources Control Board continues to extend administrative control over water suppliers through other means, as well, from developing economic models for water loss control and drinking water contaminants to proposing "safe and affordable drinking water" and low-income rate assistance programs that seem designed to test the limits of Proposition 218.

Conservation as a Way of Life

The permanent regulations being developed by the SWRCB and other state agencies based on the Water Conservation and Drought Planning Act effectively impose allocation-based water management on urban water agencies across the state. By the end of 2021, the State anticipates providing each urban water agency with guidelines for how to determine their "water use objective," and agency-wide water budget comprising residential indoor water use, outdoor irrigation, and a water loss component. Commercial/industrial/institutional water use will be subtracted from total water production, but the State anticipates developing performance measures for that sector. There will be some allowance for recycled/non-potable water use, but it is unclear how that will factor into the calculation.

Despite three years of collaborative stakeholder work among state agencies, water suppliers, academics, and nongovernmental organizations, many of the mechanisms of the permanent regulations remain unclear. The range of potential impacts on water agencies generally and Camrosa in particular is still so large as to not be useful. It is unknown at this time how such budgets will compare to historical water-use patterns, though the assumption is they are likely to constitute moderate to significant reductions from historical averages. Financial forecasting will be impacted by the imposition of state-mandated water budgets, and by the uncertainty that can be expected over the next few years as the industry transitions to a new management mode.

Water loss is a component of the conservation legislation, where the mandate of SB 555 (2015) to develop a comprehensive water loss standard and prevention program for the state is being implemented. Legislation required that the SWRCB develop water loss performance standards by July 2020, but to date has yet to do so. The legislation recognizes that mitigating and preventing water loss should be done on a cost-effective basis, but it is unclear how the current proposal squares with that.

Affordable Water

Senate Bill 200 (2019), the Safe and Affordable Drinking Water Act, established \$130 million annually to the Safe and Affordable Drinking Water Program, which is intended to help local water systems provide safe drinking water. AB 401 (2015), the Low-Income Water Rate Affordability Act, required the State prepare a report on the feasibility of a water LIRA program. Both laws have proven difficult to implement on their own—and have instead generated additional legislative activity. In 2020, the administration established the Safe and Affordable Funding for Equity and Resilience (SAFER) Drinking Water program, which required an annual needs assessment; the April 2021 "Drinking Water Needs Assessment" informing the SAFER program identified more than \$6B in capital costs and nearly \$15B over the next ten years in operations and maintenance program to address failing and at-risk public water systems. The funding gaps for such a program are significant and likely include forced consolidation of failing water systems with nearby systems; a bill in front of the Legislature in 2021 would expand the SWRCB's authority to force the consolidation of "at-risk" agencies, as well. No failing or at-risk suppliers are within reach of being physically consolidated with Camrosa, but the mechanism for funding such consolidations is unclear. Two other bills in front of the Legislature in 2021 are attempts to get at the affordability issue presented by the SWRCB's 2019 LIRA report by providing for long-term relief for customers unable to pay their water bill. These bills are still being negotiated, as in their original form they were clear violations of the state Constitution.

While Camrosa supports all communities having safe and reliable drinking water, we do not believe that using residential water bills as the funding mechanism for a statewide social issue is an appropriate way to distribute the responsibility. We and a large contingent of other water suppliers and advocacy groups have communicated our opposition to this tax to the State through comment letters and public testimony and will continue such advocacy whenever the proposal returns as a central issue.

Water Quality Regulations

As technology to detect contamination in drinking water improves year over year, so too does the regulatory apparatus's inclination to both increase the number of regulated contaminants and decrease the levels at which they are allowed. The MCL for TCP, described above, is five parts per trillion—a level equal to the technological detection limit for purposes of reporting. Camrosa expects to complete design, and initiate and complete construction, of a granular activated carbon treatment plant in 2022; as such, only estimates for capital and ongoing O&M costs are available, but it is certain that Conejo Wellfield water will be significantly more expensive than it was prior to

building a treatment plant, and the same can be expected for any other treatment that may be required by additional future MCLs.

Per- and polyfluoroalkyl substances (a huge family of synthetic chemicals referred to collectively as PFAS) were present in the Santa Rosa Basin water in 2020; PFAS are not currently regulated by the SWRCB but most estimates assume an MCL is imminent.

The SWRCB is also reconsidering a chromium-six MCL, after delisting it in 2017 in response to a Superior Court judgment; Camrosa staff are advocating with a statewide coalition for a reasonable economic framework to assess treatment costs, levels, and benefits.

Other contaminants of emerging concern, including microplastics, are likely to affect treatment processes on both the potable and wastewater systems. As regulations increase, so too will the cost to produce water that meets and exceeds all regulatory standards, affecting the delta between local and imported sources and changing the cost equation of redundancy and self-reliance.

Groundwater Management

Another landmark change in water management that will affect the cost of water is the Sustainable Groundwater Management Act (SGMA) of 2014. SGMA requires the formation of local groundwater sustainability agencies (GSAs) for basins the state determined were high- or medium-priority basins. GSAs are required to assess conditions in their local water basins and develop groundwater sustainability plans (GSPs). These GSPs are intended to define sustainability in the context of the respective basin and chart a path to achieving that by 2040, for high-priority basins, or 2042, for medium-priority basins.

The Fox Canyon Groundwater Management Agency (FCGMA) is the GSA for the Pleasant Valley Basin (among other areas), from which the Woodcreek Well and PV Well #2 produce. An allocation plan has been established and the GSA is currently going through a stakeholder process to determine ramp down to sustainable yield. At the same time, projects to increase and supplement the sustainable yield are being investigated and priced out. Once those processes have matured, we will have a better idea of what extraction fees for the Woodcreek Well and PV Well #2 will be; it's likely to be a significant increase over the \$12.50/AF the District currently pays.

The Arroyo Santa Rosa Groundwater Basin was designated as a medium-priority basin due to high nitrate concentrations, and the County of Ventura and Camrosa formed a GSA in 2016 to manage the portion of the basin east of the Bailey Fault (outside the FCGMA). Administrative fees to support the operation of the Arroyo Santa Rosa GSA (ASRGSA) will come from contributions by the County of Ventura and Camrosa. These costs are estimated at \$150,000 for FY2021-22 as they include the development of the GSP but are expected to drop significantly after the plan is written. In April 2018, DWR awarded the Arroyo Santa Rosa GSA a Sustainable Groundwater Planning Grant for half the cost of developing the Santa Rosa GSP, up to \$177,081. Preliminary work began on the GSP in FY2018-19, but the bulk of the undertaking didn't start until FY20-21; currently the GSP is expected to be complete prior to 2023. In December 2019, DWR finalized its reprioritization of California's basins; the Santa Rosa Basin was downgraded to "Very Low Priority," meaning there is no longer a statutory requirement that the basin have a GSA or write a GSP. Camrosa and the ASRGSA are, however, committed to completing a GSP, for the general benefit of the basin and the users of its groundwater.

Because Camrosa is the primary groundwater producer in the Santa Rosa Basin, pumping by initial estimates over 50 percent of the basin's annual yield, the District has a vested interest in developing projects that ensure sustainability. Once the GSP has been developed, estimated costs of sustainability projects will be included in the budgeting process.

Predictable, Competitive Rates

The District kicked off a comprehensive utility rate study for both water and wastewater in FY2017-18 and set a public rate hearing to adopt a five-year rate schedule on June 13, 2019. Included in the study was a review of commodity component of rates, fixed meter service fees, and the District's aging infrastructure and preventative maintenance requirements. Even with the rate increases, the District's rates continue to be among the lowest in Ventura County.

Effective Asset Management

Camrosa Water District was established in 1962; some of what became the District's infrastructure predates even that. As the system ages, the value of the system decreases through depreciation while the costs of keeping the system functioning increase. An asset management plan that supports the development, security, preservation, renewal, and replacement of the District's assets is included in the comprehensive rate study, to ensure adequate reserves are set aside to utilize for the investment in the aging infrastructure. Such projects include replacing pipeline segments, maintaining and upgrading treatment facilities, and rehabilitating reservoirs, pump stations, and the wastewater collection system. Setting aside reserves today for these repairs will prevent the District from being susceptible to untimely financial burdens and ultimately having to excessively raise rates.

Major Accomplishments during FY2020-21

The District completed a number of capital projects during FY2020-21 that improved potable water, non-potable water, and wastewater operations. Water system projects completed during the fiscal year include: reservoir 3D slope stabilization and drainage improvements, distribution valve replacement, CSUCI Well rehabilitation, pond rip rap, device net to ethernet/IP conversion, and monitoring well No. 3 at the Storage Ponds. Wastewater system projects completed includes, Smartcovers sewer monitoring system, and upgrade of eight sewer manholes in tract 5976.

Internal Control Structure

District management is responsible for the establishment and maintenance of the internal control structure that ensures the assets of the District are protected from loss, theft or misuse. The internal control structure also ensures adequate accounting data is compiled to allow for the preparation of financial statements in conformity with GAAP. The District's internal control structure is designed to provide reasonable assurance that these objectives are met. The concept of reasonable assurance recognizes (1) the cost of a control should not exceed the benefits likely to be derived, and (2) the valuation of costs and benefits requires estimates and judgments by management.

Budgetary Control

The District views the budget as an essential tool for proper financial management. The budget is developed with input from the various program managers of the organization and is adopted prior to the start of each fiscal year. Any and all supplemental appropriations to the budget must be approved by the Board of Directors. The Board monitors the budget through Quarterly Financial Reports, Quarterly Investment Reports, and Year-End Budget Reports.

Financial Policies

The District's Reserve Policy, the most recent version of which was adopted by Resolution of the Board on May 30, 2019, is intended to assure adequate reserves for ongoing needs while minimizing the need for new debt. The reserve levels established in the policy also help provide rate stabilization and ensure adequate fund levels to meet aging infrastructure replacements, unanticipated emergencies, and future growth. The Board receives reports of the reserve levels during the budget preparation process to ensure continued conformance with long-term Board strategy.

The District's Investment Policy, the most recent version of which was adopted by Resolution of the Board on February 11, 2021, is intended to provide guidelines and restrictions for prudent investment of the District's cash reserves. The District's portfolio is carefully monitored by a four-member committee that includes the General Manager, the Manager of Finance, and two Board members. The full Board receives quarterly reports on the type of investments, the current yield, maturity dates, and fair value, as appropriate. The criteria for selecting investment options are, in order of priority: safety, liquidity, and yield. Generally, maturities are limited to two-year periods, and at least 25% of the portfolio will be invested in securities that can be liquidated on one day's notice. Investments are generally limited to government-issued or government-insured securities; for instance, the District currently has approximately \$27.6 million invested in the State's Local Agency Investment Fund (LAIF) as of June 30, 2021.

The District formalized and adopted a Debt Management Policy on August 11, 2016. The policy provides the following: 1. establishes criteria for the issuance of debt obligations so that acceptable levels of indebtedness are maintained; 2. transmits the message to investors and rating agencies that the District is committed to sound financial management; and 3. provides consistency and continuity to public policy development when the elected Board of Directors work from guidelines that govern the planning and execution of transactions and projects.

The District's budget is presented as a policy document, an operational tool, a financial planning tool, a link to the Strategic Plan, and a method of communication with the District's community and stakeholders. The purpose of the Budget Policy is to provide guidelines that will influence and direct the financial management practice of the District. The District's Budget Policy was adopted by Resolution of the Board on January 26, 2017 to establish procedures ensuring consistent practices for developing the yearly budget.

The District's Pension Funding Policy was developed and adopted by Resolution of the Board on January 14, 2021, is intended to provide guidance and strategies to current and future Board of Directors for addressing the District's retirement liabilities. This policy includes internal budgeting, policy directives, and financing mechanisms.

In addition to the basic financial statements, the District includes a Statistical Section, which provides both financial and non-financial trend data about the District and its operations.

Audit and Financial Reporting

State law and bond covenants require the District to obtain an annual audit of its financial statements by an independent certified public accountant. The accounting firm of CliftonLarsonAllen LLP has conducted the audit of the District's financial statements. Their unmodified (clean) Independent Auditor's Report follows.

Other Information

More information is contained in the Management's Discussion and Analysis and the Notes to the Basic Financial Statements which follow the Independent Auditor's Report.

Awards and Acknowledgements

The Government Finance Officers Association of the United States and Canada (GFOA) awarded the Certificate of Achievement for Excellence in Financial Reporting to the District for its Annual Comprehensive Financial Report (ACFR) for the Fiscal Year ended June 30, 2020. This was the sixth year the District has received this national prestigious award. In order to be awarded a Certificate of Achievement, a government agency must publish an easily readable and efficiently organized ACFR that satisfies both GAAP and applicable legal requirements.

A Certificate of Achievement is only valid for a period of one year. Staff believes that its current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements and will submit it to the GFOA to determine its eligibility for another certificate.

In addition, the District also received the California Society of Municipal Financial Officer's (CSMFO) Operating Budgeting Excellence Award for its FY2020-21 annual operating budget document. This program is intended to "encourage and assist local governments to prepare budget documents of the very highest quality that reflect the guidelines established by the National Advisory Council on State and Local Budgeting."

I would like to thank the Board of Directors for their continued interest and support towards achieving excellence in financial management. Additionally, this report could not have been accomplished without the hard work and dedication of staff. Special recognition is extended to Tamara Sexton, Finance Manager and Sandra Llamas, Senior Accountant. I would also like to thank all staff members for the efforts they put into the preparation of this report. District staff is dedicated to upholding the District's mission, implementing necessary improvements to operations and infrastructure, and pursuing alternatives to increase self-reliance, while remaining fiscally responsible and accountable to all those whom we serve.

Respectfully submitted,

Tony L. Stafford General Manager



Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

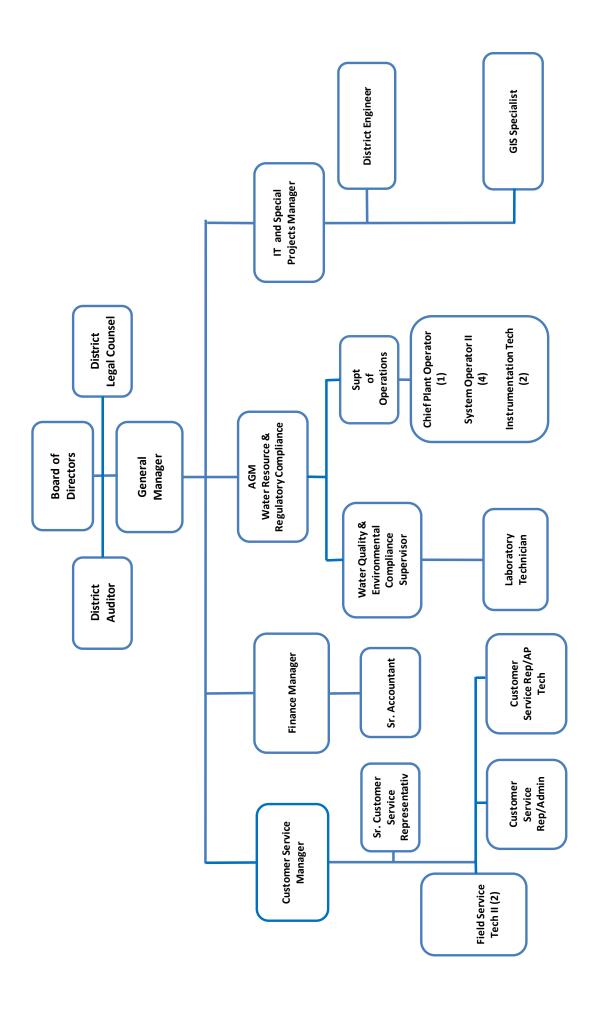
Presented to

Camrosa Water District California

For its Comprehensive Annual Financial Report For the Fiscal Year Ended

June 30, 2020

Chuitophe P. Morrill
Executive Director/CEO







BUILDING WATER SELF-RELIANCE

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Financial Section



INDEPENDENT AUDITORS' REPORT

Board of Directors Camrosa Water District Camarillo, California

Report on the Financial Statements

We have audited the accompanying financial statements of the Camrosa Water District (District) as of and for the years ended June 30, 2021 and 2020, and the related notes to the financial statements, which collectively comprise the District's basic financial statements, as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audit in accordance with auditing standards generally accepted in the United States of America, and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditors consider internal control relevant to the District's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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



Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the District as of June 30, 2021 and 2020, and the changes in its financial position and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Prior Year Comparative Information

The June 30, 2020 financial statements were audited by White Nelson Diehl Evans LLP, whose practice became part of CliftonLarsonAllen LLP as of November 1, 2020, and whose report dated October 14, 2020, expressed an unmodified opinion on those respective financial statements.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, the schedule of proportionate share of the net pension liability and the schedule of contributions, identified as Required Supplementary Information (RSI) in the accompanying table of contents, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the RSI in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the RSI because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the District's basic financial statements. The introductory section, other supplementary information, and statistical section, as listed in the table of contents, are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The introductory section, other supplementary information and statistical section have not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on them.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated REPORT DATE, on our consideration of the District's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the District's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control over financial reporting and compliance.

CliftonLarsonAllen LLP

Irvine, California REPORT DATE

Management's Discussion and Analysis (MD&A)

(For the Fiscal Years Ended June 30, 2021 and June 30, 2020)

The following discussion and analysis of the Camrosa Water District's (District) financial performance during FY2020-21 provides an overview of the District's operational activities that impacted the financial performance of the District. It should be reviewed in conjunction with the transmittal letter and the District's basic financial statements that begin on page 13.

Financial Highlights

The following chart displays FY2020-21 financial changes in comparison to FY2019-20 and FY2018-19:

- In FY2020-21, the District's net position increased 4.5%, or \$3.4 million, to \$79.8 million. In FY2019-20, the District's net position increased by 3.9%, or \$2.9 million to \$76.4 million.
- In FY2020-21, the District's total revenues increased by 9.5%, or \$2.4 million. Water sales revenue increased by \$2.7 million as a result of a July 2020 rate increase. In FY2019-20, the District's total revenues decreased by 9.5%, or \$2.4 million.
- In FY2020-21, the District's expenses increased by 8.6%, or \$1.9 million, which is mostly due to an increase of import water purchases resulting from shutting down the Conejo Wellfield. (See page vi for details.)

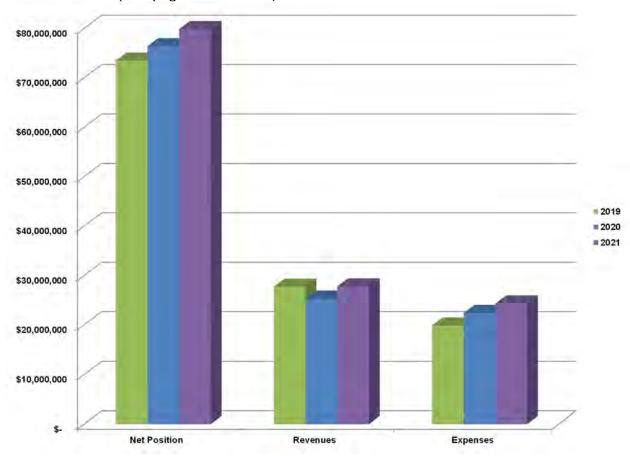


Figure 8 - Financial Highlights

Required Financial Statements

This annual report consists of a series of financial statements with accompanying notes. The *Statements of Net Position* reflects the solubility of the District at the end of FY2020-21 and provides a comparison of assets and liabilities as they existed at the end of the prior fiscal year. The *Statements of Revenues, Expenses and Changes in Net Position* compares operational results from FY2020-21 with FY2019-20. The *Statements of Cash Flows* provides information about the District's cash receipts and cash payments during the reporting periods.

Method of Accounting: The District uses a single enterprise fund for accounting and reporting the results of all operations. The statements referenced above include all assets and liabilities using an accrual basis of accounting, which is similar to accounting used by most private-sector companies. Accrual of the current year's revenues and expenses are taken into account regardless of when cash is received or paid.

Notes to Financial Statements: The notes that follow the financial statements provide additional information that is essential to a full understanding of the data provided in the financial statements. The notes to the financial statements can be found on pages 18-41.

District as a Whole

The District is operated and reported as a single enterprise fund. The operating results reported in the accompanying financial statements reflect the total performance of the District as a whole.

Net Position Analysis

One way of evaluating the District's financial health is through the *Statements of Net Position*. Over time, increases or decreases in the District's *net position* – the difference between assets (what the District owns) and deferred outflows of resources and liabilities (what the District owes) and deferred inflows of resources – indicate whether its financial health is improving or deteriorating. Other non-financial factors, such as changes in the District's jurisdiction, the status of capital projects, and the level of continuing constituent support, must always be considered in assessing the overall health of the District.

The following is a summary of the *Statements of Net Position* of the District and the change in comparison to the two prior fiscal years:

Net Position

	Netro	<u> 3111011</u>			
	(in mil	lions)			
<u>Assets</u>	2021	2020	Change	<u>2019</u>	Change
Current Assets	\$33.5	\$29.4	\$4.1	\$32.1	(\$2.7)
Restricted Cash	4.7	6.0	(\$1.3)	7.7	(1.7)
Capital Assets (net of depreciation)	57.3	56.3	\$1.0	54.2	2.1
Other Non-Current Assets	0.0	0.0	\$0.0	8.0	(0.8)
Total Assets	95.5	91.7	3.8	94.8	(3.1)
Deferred Outflows of Resources	4.4	6.8	(2.4)	1.9	4.9
Total Assets and Deferred Outflows of Resources	\$99.9	\$98.5	\$1.4	\$96.7	\$1.8
Liabilities					
Long-Term Debt	\$12.7	\$13.2	\$0.5	\$15.0	\$1.8
Net Pension Liability	0.0	4.8	\$4.8	4.5	(0.3)
Other Liabilities	4.1	3.8	(\$0.3)	3.4	(0.4)
Total Liabilities	16.8	21.8	5.0	22.9	1.1
Deferred Inflows of Resources	3.3	0.3	(3.0)	0.3	0.0
Total Liabilities and Deferred Inflows of Resources	\$20.1	\$22.1	\$2.0	\$23.2	\$1.1
Net Position					
Net Investment in Capital Assets	\$50.0	\$50.0	\$0.0	\$45.8	\$4.2
Restricted Net Position	\$3.0	\$2.0	\$1.0	\$2.5	(\$0.5)
Unrestricted Net Position	26.8	24.4	2.4	25.2	(8.0)
Total Net Position	\$79.8	\$76.4	\$3.4	\$73.5	\$2.9

If net position serves as a useful indicator of an institution's financial position, the District's assets and deferred outflows of resources exceeded its liabilities and deferred inflows of resources by \$79.8 million at June 30, 2021 and by \$76.4 million at June 30, 2020, which indicate it is of sound financial health.

By far the largest portion of the District's net position reflect Net Investment in Capital Assets, which represent Capital Assets, net of accumulated depreciation, less any related debt used to acquire those assets plus any unspent funds. The District uses these capital assets to provide services to customers within the District's service area; consequently, these assets are not available for future spending.

For the year ended June 30, 2021, Total Net Position increased by \$3.4 million and by \$2.9 million for the year ended June 30, 2020. In FY2020-21 Current Assets increased by \$3.8 million mainly due to total net income received during the year in the amount of \$3.5 million. Restricted cash decreased by \$1.3 million due to a decrease in the 2016 bonds water and wastewater acquisition funds related to reimbursement of capital expenses for the same amount. Capital Assets Net of Depreciation increased by \$1.0 million due to projects completed during the year, and Deferred

Outflows of Resources Related to Pensions decreased by \$2.4 million. Total liabilities decreased by \$2.0 million mainly due to a reduction of Net Pension Liability in the amount of \$4.8 million, the increase of Deferred Inflows of Resources related to pensions in the amount of \$3.0 million and the principal payment of existing long-term debt in the amount of \$0.5 million. Other Liabilities increased by \$0.3 million.

In FY2019-20 Current Assets decreased by \$2.7 mainly due to a prepayment to the District's CalPERS Unfunded Accrued Liability (UAL) in the amount of \$4.9 million offset by income received during the year in the amount of \$1.9 million. Restricted cash decreased by \$1.7 million due to a decrease in the 2016 bonds water and wastewater acquisition funds related to reimbursement of capital expenses in the amount of \$1.6 million and the release of the 2012 reserve fund in the amount of \$0.9 million due to maturity of the bonds. The prepayment of the District's (UAL) is also reflected as a deferred outflow of resources due to the fact that the GASB 68 report used for pension calculations has a measurement date of June 30, 2019. Capital Assets Net of Depreciation increased by \$2.1 million due to projects completed during the year, and total liabilities decreased by \$1.1 million mainly as a result of principal payment of existing long-term debt. Other non-current assets decreased by \$0.8 million.

The following is a summary of the *Statements of Revenues, Expenses and Changes in Net Position* of the District with a comparison to the two prior fiscal years:

<u>Changes in Net Position</u>							
(in millions)							
	2021	2020	Change	<u>2019</u>	<u>Change</u>		
Beginning Balance	\$76.4	\$73.5	\$2.9	\$65.6	\$7.9		
Operating Revenues	25.6	22.6	3.0	20.3	2.3		
Operating Expenses	(23.8)	(21.9)	(1.9)	(19.3)	(2.6)		
Non-Operating Revenues	0.7	1.4	(0.7)	1.4	0.0		
Non-Operating Expenses	(0.5)	(0.5)	0.0	(0.5)	0.0		
Capital Contributions	1.4	1.0	0.4	5.7	(4.7)		
Grants	0.0	0.3	(0.3)	0.3	0.0		
*Total Net Position	\$79.8	\$76.4	\$3.4	\$73.5	\$2.9		

Revenue

Revenue generated from operations produces 92% of total revenue. Capital Contributions and Grants contribute to 5% of total revenue. Other Non-Operating Revenues, such as taxes and interest revenue make up the remainder 3% of total revenue.

Water rates are comprised of a commodity (usage) charge and a fixed meter service fee. Sewer rates are a fixed fee, billed monthly. The District conducted a Proposition 218 public hearing on June 13, 2019, at which the Board adopted a five-year rate schedule that includes various increases for the commodity and meter service charges for both water and wastewater services.

The Statement of Revenues, Expenses and Changes in Net Position provides answers as to the nature and source of the changes of financial position. The following summary of revenues by source is provided for the past three fiscal years:

<u>Total Revenues</u>								
	(in m	illions)						
Operating Revenues	<u>2021</u>	2020	<u>Change</u>	<u>2019</u>	Change			
Water Revenue	\$19.3	\$16.6	\$2.7	\$14.1	\$2.5			
Meter Revenue	2.3	2.3	0.0	2.6	(0.3)			
Sewer Revenue	3.9	3.6	0.3	3.3	0.3			
Other	0.1	0.1	0.0	0.3	(0.2)			
Total Operating Revenues	\$25.6	\$22.6	\$3.0	\$20.3	\$2.3			
Non-Operating Revenues								
Property Taxes	\$0.7	\$0.6	\$0.1	\$0.6	\$0.0			
Interest Income	0.0	8.0	(0.8)	8.0	0.0			
Total Non-Operating Revenues	\$0.7	\$1.4	(\$0.7)	\$1.4	\$0.0			
Total Revenues Before Capital Contributions and Grants	\$26.3	\$24.0	\$2.3	\$21.7	\$2.3			
Capital Contributions	\$1.4	\$1.0	\$0.4	\$5.7	(\$4.7)			
Capital Grant Income	0.0	0.3	(0.3)	0.3	0.0			
Total Revenues After Capital Contributions and Grants	\$27.7	\$25.3	\$2.4	\$27.7	(\$2.4)			

The District's Operating Revenue increased by \$3.0 million in FY2020-21 and increased by \$2.3 million in FY2019-20. The increase in both years was due mainly to the adopted rate increase effective July 2019 and July 2020.

The District's Non-Operating Revenue decreased by \$0.7 million in FY2020-21 and remained the same in FY2019-20. The decrease in FY2020-21 was mainly due to decreased interest income because of lower interest rates.

Expenses

Expenses for Water Purchases and Utilities represent 62% of total Direct Operating Expenses while Salaries and Benefits account for 20%. All other expenses account for 18% of the total Direct Operating Expenses for the period. The following summary of expenses by category is provided for the past three fiscal years:

	Total Expe	<u>nses</u>			
	(in millior	าร)			
Operating Expenses	<u>2021</u>	<u>2020</u>	<u>Change</u>	<u>2019</u>	<u>Change</u>
Water Purchases	\$11.4	\$9.5	\$1.9	\$7.8	\$1.7
Salaries and Benefits	4.2	4.3	(0.1)	3.9	0.4
Utilities	1.5	1.3	0.2	1.3	0.0
Other	3.7	4.0	(0.3)	3.5	0.5
Direct Operating Expenses	\$20.8	\$19.1	\$1.7	\$16.5	\$2.6
Depreciation	3.0	2.8	0.2	2.8	0.0
Total Operating Expenses	\$23.8	\$21.9	\$1.9	\$19.3	\$2.6
Non-Operating Expenses					
Loss of Asset	0.0	0.0	0.0	0.1	(0.1)
Interest Expense	0.4	0.5	(0.1)	0.5	0.0
Total Non-Operating Expenses	\$0.4	\$0.5	(\$0.1)	\$0.6	(\$0.1)
Total Expenses	\$24.2	\$22.4	\$1.8	\$19.9	\$2.5

Total Direct Operating Expenses increased by \$1.7 million in FY2020-21 and by \$2.6 in FY2019-20. The increase in both years is mainly related to increased import water purchases resulting from the Conejo Wellfield being taken offline. In 2018, the State Water Board implemented a new maximum contaminant limit (MCL) for 1,2,3,—Trichlorpropane (TCP), a synthetic organic compound that was an impurity in certain soil fumigants used in agriculture, of 5 ppt. Upon testing, it was discovered above the MCL in three of the wellfield's four wells, which were promptly removed from service. The fourth well was taken offline in early 2020. After an initial, ultimately unsuccessful attempt to resolve the TCP issue with blending, which turned out to be an ineffective strategy due to the very low MCL for TCP and the District's inability to meet its blend plan objectives, CWD is now constructing a granular activated carbon (GAC) treatment plant to treat for the TCP. The plant is expected to be completed in 2022. The wellfield will remain off until that time.

Total Non-Operating Expenses decreased by \$0.1 million in both FY2020-21 and FY2019-20.

Capital Assets and Debt Administration

	Net Ca	pital Assets						
(in millions)								
Capital Assets	<u>2021</u>	2020	<u>Change</u>	<u>2019</u>	<u>Change</u>			
Water Plant	\$72.7	\$71.3	\$1.4	\$68.0	\$3.3			
Sanitation Plant	31.1	31.0	0.1	30.8	0.2			
Buildings & Equipment	4.1	4.3	(0.2)	3.5	8.0			
Land and Easements	1.9	1.7	0.2	1.7	0.0			
Construction in Progress	6.4	4.2	2.2	3.5	0.7			
	\$116.2	\$112.5	\$3.7	\$107.5	\$5.0			
Less Accumulated Depreciation	58.9	56.2	2.7	53.3	2.9			
Net Capital Assets	\$57.3	\$56.3	\$1.0	\$54.2	\$2.1			

Total Capital Assets increased \$3.7 million (before depreciation) during the FY2020-21 and by \$5.0 million during FY2019-20, reflecting a net increase in the value of the Water Plant, Sanitation Plant and Construction in Progress. Please see note 4, page 29, to the basic financial statements for further detail.

Water system projects completed during the fiscal year include: Reservoir 3D Slope Stabilization and Drainage Improvements, Device Net to Ethernet/IP Conversion, Distribution Valve Replacement, CSUCI Well Rehabilitation and Pond Rip Rap. Wastewater system projects completed includes Smart Covers Sewer Monitoring Wells Project and the Upgrade of Eight Sewer Manholes for tract 5976.

Debt Administration

At year-end, the District had the following long-term debt obligations:

2016A Water and Wastewater Refunding Revenue Bonds	\$ 12,565,064
Less current portion	694,188
Net Long-Term Debt	\$ 11.870.876

The District issued \$9,630,000 in 2011A project bonds in September 2011. Proceeds of the bonds were designated to fund \$6,508,000 of water capital projects and \$2,447,000 of wastewater capital projects. In September 2016, District advance refunded the 2011A bonds and obtained additional funding in the amount of \$6,000,000, with the issuance of the Water and Wastewater Refunding Revenue Bonds Series 2016A, for water projects. Please see note 5, page 30, to the basic financial statements for further discussion.

Economic Factors and Next Year's Budget

Local Water Supplies

In 2018, the State Water Board implemented a new maximum contaminant limit (MCL) for 1,2,3,—Trichlorpropane (TCP), a synthetic organic compound that was an impurity in certain soil fumigants used in agriculture, of 5 ppt. Upon testing, it was discovered above the MCL in three of the wellfield's four wells, which were promptly removed from service. The fourth well was taken offline in early 2020. After an initial, ultimately unsuccessful attempt to resolve the TCP issue with blending, which turned out to be an ineffective strategy due to the very low MCL for TCP and the District's inability to meet its blend plan objectives, CWD is now constructing a granular activated carbon (GAC) treatment plant to treat for the TCP. The plant is expected to be completed in 2022. The wellfield will remain off until that time.

Taking the Conejo Wellfield offline required a corresponding increase in imported water. From a financial forecasting perspective, this development has resulted in reductions in local water production and increased imported water purchases, which could adversely affect the District's financial position.

Requests for Information

This financial report is designed to provide a general overview for all those with an interest in the District's finances. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the General Manager, 7385 Santa Rosa Road, Camarillo, CA 93012.

Financial Statements

Camrosa Water District Statements of Net Position June 30, 2021 and 2020

Assets		2021	_	2020
Current Assets				
Cash and Cash Equivalents	\$	29,564,770	\$	25,193,410
Restricted Cash and Cash Equivalents		627,378		499,472
Receivables:				
Customer - Net of Allowance for Doubtful				
Accounts of \$48,414 and \$7,500 at June 30, 2021				
and 2020, respectively		2,639,827		2,686,787
Interest		22,842		86,194
Property Taxes		20,276		14,707
Grants and Other Reimbursements		154,504		445,756
Prepaid Expenses and Other Current Assets		491,156		403,536
Current Portion of Note Receivable		-		30,308
Total Current Assets	-	33,520,753	_	29,360,170
Non-current Assets				
Restricted Cash and Cash Equivalents		4,744,613		6,003,953
Certificates of Deposit		-		-
Capital Assets Not Being Depreciated		8,272,067		5,868,388
Capital Assets Being Depreciated		49,016,435		50,477,781
Net Pension Asset		25,227		-
Total Non-current Assets	-	62,058,342	_	62,350,122
Total Assets	-	95,579,095	_	91,710,292
Deferred Outflows of Resources				
Deferred Loss From Debt Refunding		593,174		655,319
Deferred Outflows Related to Pensions		3,799,760		6,172,506
Total Deferred Outflows of Resources	-	4,392,934	_	6,827,825
	_			

Camrosa Water District Statements of Net Position (Continued) June 30, 2021 and 2020

Liabilities		2021		2020		
Current Liabilities						
Accounts Payable		2,831,812		2,564,165		
Accrued Interest Payable		189,220		200,190		
Wages, Benefits and Payroll Taxes Payable		205,155		163,804		
Current Portion of Compensated Absences		281,563		260,012		
Customer Surety Deposits		438,158		299,282		
Other Liabilities		150,449		175,174		
Current Portion of Long-Term Debt		694,188		659,188		
Total Current Liabilities		4,790,545		4,321,815		
Long-Term Liabilities						
Long-Term Debt, Net of Current Portion		11,870,876		12,565,064		
Compensated Absences, Net of Current Portion		129,703		149,731		
Net Pension Liability				4,821,108		
Total Long-Term Liabilities		12,000,579		17,535,903		
Total Liabilities		16,791,124		21,857,718		
Deferred Inflows of Resources						
Deferred Inflows Related to Pensions		3,341,175	•	292,190		
Net Position						
Net Investment in Capital Assets		50,019,490		49,981,241		
Restricted Net Position		3,002,147		1,999,910		
Unrestricted Net Position		26,818,093		24,407,058		
Total Net Position	\$	79,839,730	\$	76,388,209		

Camrosa Water District

Statements of Revenues, Expenses and Changes in Net Position

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

		2021		2020
Operating Revenues	•	40.000.007	•	10 000 015
Potable Water Sales	\$	12,803,627	\$	10,682,215
Non-Potable Water Sales		6,476,867		5,864,856
Meter Service Fees		2,346,434		2,310,880
Sewer Service Fess		3,855,204		3,575,963
Other Revenue		123,013		107,061
Total Operating Revenues		25,605,145		22,540,975
Operating Expenses				
Potable Water Purchases		9,817,312		8,248,536
Non-Potable Water Purchases		1,556,494		1,283,656
Salaries		2,616,833		2,712,895
Employee Benefits		1,537,472		1,595,362
Outside Contracts		1,360,145		1,623,485
Professional Services		309,449		202,911
Utilities		1,538,207		1,273,725
Communications		64,504		74,806
Repairs and Maintenance		963,596		1,213,209
Supplies		504,750		377,328
Legal Services		26,491		33,091
Dues and Subscriptions		42,972		45,523
Conference and Travel		3,495		26,132
Safety and Training		18,182		22,855
Board		125,403		115,809
Fees andCharges		196,686		155,579
Insurance		88,222		86,102
Depreciation		3,047,261		2,836,354
Total Operating Expenses		23,817,474		21,927,358
Operating Income		1,787,671		613,617
Non-Operating Revenues				
Investment Income		25,108		774,692
Gain on Sale of Asset		<u>-</u>		-
Property Taxes		700,753		661,932
Total Non-Operating Revenues		725,861		1,436,624
Non-Operating Expenses				
Interest Expense		(438,618)		(456,937)
Loss on Disposal of Asset		(8,273)		-
Total Non-Operating Expenses		(446,891)		(456,937)
Income Before Capital Contributions and Grants		2,066,641		1,593,304
Capital Cantributions		1 204 102		001 422
Capital Contributions		1,384,103		991,422
Capital Grant Income		777		326,415
Change in Net Position		3,451,521		2,911,141
Net Position at Beginning of Year		76,388,209		73,477,068
Net Position at End of Year	\$	79,839,730	\$	76,388,209

Camrosa Water District Statements of Cash Flows

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

	_	2021	_	2020
Cash Flows From Operating Activities Cash Received from User Charges Other Operating Receipts Cash Payments to Employees Cash Payments for Operating Expenses	\$	25,532,332 95,047 (2,609,766) (17,362,150)	\$	21,899,733 73,603 (2,641,986) (20,890,819)
Net Cash Provided/(Used) By Operating Activities	_	5,655,463	_	(1,559,469)
Cash Flows From Noncapital Financing Activities Property Taxes Surety Deposits	_	695,184 138,876	_	663,035 37,118
Net Cash Provided/(Used) By Non-Capital Financing Activities	_	834,060	_	700,153
Cash Flows From Capital and Related Financing Activities Purchases of Capital Assets Proceeds from Water and Sewer Capital Fees Receipt of Grants and Other Reimbursements Payments Received on Capital Note Receivable Repayment of Long-Term Debt Interest Payments	_	(3,994,267) 1,380,503 292,030 30,308 (605,000) (441,631)	_	(4,048,454) 9,825 287,744 87,672 (1,650,000) (517,676)
Net Cash Provided/(Used) By Capital and Related Financing Activities	_	(3,338,057)	_	(5,830,889)
Cash Flows From Investing Activities Investments redemptions Interest Income	_	88,460_	_	740,943 882,622
Net Cash Provided/(Used) By Investing Activities		88,460		1,623,565
Net Increase/(Decrease) in Cash and Cash Equivalents		3,239,926		(5,066,640)
Cash and Cash Equivalents at Beginning of Year	_	31,696,835	_	36,763,475
Cash and Cash Equivalents at End of Year	\$_	34,936,761	\$_	31,696,835
Cash and Cash Equivalents- Financial Statement Classification: Current Assets: Cash and Cash Equivalents Restricted Cash and Cash Equivalents		29,564,770 627,378		25,193,410 499,472
Non-current Assets Restricted Cash and Cash Equivalents	_	4,744,613	_	6,003,953
Total Cash and Cash Equivalents	\$_	34,936,761	\$ <u>_</u>	31,696,835

Camrosa Water District **Statements of Cash Flows (Continued)**

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

	 2021	 2020
Cash Flows From Operating Activities		
Operating Income	\$ 1,787,671	\$ 613,617
Adjustments to Reconcile Operating Net Income to Net		
Cash Provided/(Used) by Operating Activities		
Depreciation	3,047,261	2,836,353
(Increase)/Decrease in Operating Assets		
Customer Receivables	46,960	(599,362)
Prepaid Expenses and Other Current Assets	(87,620)	(113,405)
Deferred outflows related to pension	2,372,746	(4,998,547)
Net Pension Asset	(25,227)	-
Accounts Payable	267,647	252,422
Wages, Benefits and Payroll Taxes Payable	5,544	17,756
Compensated Absences	1,523	53,153
Other Current Liabilities	11,081	57,499
Deferred inflows related to pensions	3,048,985	359,066
Net pension liability	 (4,821,108)	 (38,022)
Net Cash Provided/(Used) By Operating Activities	\$ 5,655,463	\$ (1,559,470)
Non-Cash Capital and Related Financing Activities		
Donated Easements & Water/Sewer Lines and Facilities		\$ 981,597
Donated Easements	\$ 3,600	

Camrosa Water District Notes to Financial Statements For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Note 1 - Summary of Significant Accounting Policies

A. Organization and Operation of the Reporting Entity

The Camrosa Water District (District), a special district of the State of California, was created in 1962 and operates under the authority of Division 12 of the California Water Code. The District is primarily engaged in the activities of selling and delivering water and collecting and treating sewage. The District's service area includes portions of the cities of Camarillo, Thousand Oaks and Moorpark, and an unincorporated portion of the County of Ventura. The District's five-member Board of Directors comprises representatives from five geographical divisions of the District who are elected at large.

The District's financial statements are prepared in accordance with generally accepted accounting principles (GAAP). The Governmental Accounting Standards Board (GASB) is responsible for establishing GAAP for state and local governments through its pronouncements (Statements and Interpretations). The more significant accounting policies established in GAAP and used by the District is discussed below.

These financial statements present the District and its component units, the Camrosa Water District Financing Authority and the Arroyo Santa Rosa Groundwater Sustainability Agency. As defined by GASB, the financial reporting entity consists of the primary government, as well as component units, for which the District is considered to be financially accountable. The District is financially accountable if it appoints a voting majority of the organization's governing board and (1) is able to impose its will on the organization, (2) there is a potential for the organization to provide specific financial benefit to or impose specific financial burden on the District, (3) management (below the level of elected officials) of the primary government have operational responsibility for the activities of the component unit, or (4) the component unit's total debt is expected to be repaid entirely with resources of the primary government.

The Camrosa Water District Financing Authority (Authority) is authorized to buy, sell and lease property and to issue bonds, expend bond proceeds, and borrow and loan money for any of its corporate purposes pursuant to the Act and a Joint Exercise of Powers Agreement Relating to the California Municipal Finance Authority, dated as of January 1, 2004, by and among the cities, counties, districts and other political subdivisions that are parties to that agreement. The District's Board of Directors acts as the governing body of the Authority. The decision to blend the Authority was reached due to the District's Board of Directors governing the Authority, as well as the District's management responsibility of the operations.

The Arroyo Santa Rosa Groundwater Sustainability Agency (GSA) serves as the GSA for the Arroyo Santa Rosa Valley Basin. The GSA was originally designated as a medium-priority basin due to high nitrate concentrations, and the County of Ventura and Camrosa formed a GSA in 2016 to manage the portion of the basin east of the Bailey Fault, outside the Fox Canyon Groundwater Management Agency (FCGMA). Administrative fees to support the operation of the Arroyo Santa Rosa GSA will come from contributions by the County of Ventura and Camrosa. These costs are estimated at \$338,019 for FY2021-22 as they include the development of the GSP but are expected to drop significantly after the plan is written. The decision to blend the Arroyo Santa Rosa Valley Basin GSA was reached due to the fact that the component unit has substantively the same governing body as the District, and the operational responsibility for the Component Unit rest with management of the District. Five of six board members are board members of the District and the General Manager of the District is also the Executive Officer of the GSA.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

B. Basis of Accounting

The Camrosa Water District is accounted for as an enterprise fund in accordance with GAAP as applied to governmental units. Enterprise funds are used to account for operations (a) that are financed and operated in a manner similar to private business enterprises where the expenses, including depreciation, of providing goods or services to the general public are recovered through user charges, or (b) where the governing body has decided that periodic determination of revenues earned, expenses incurred, and net income is appropriate for capital maintenance, public policy, management control, and other purposes. Because the Camrosa Water District is accounted for as an enterprise fund, the District uses the economic resources measurement focus and the accrual basis of accounting is used for financial statement reporting purposes.

Revenues are recognized when they are earned, and expenses are recognized when they are incurred.

Enterprise funds distinguish operating revenues and expenses from non-operating items. Operating revenues and expenses generally result from providing services and producing goods and delivering goods in connection with an enterprise funds' principal ongoing operations. The principal operating revenues of the District are charges to customers for sales and services. Operating expenses include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

C. Basic Financial Statements

The basic financial statements provide information about the District's proprietary fund. The focus of proprietary fund measurement is upon determination of operating income, changes in net position and cash flows. The generally accepted accounting principles applicable are those similar to businesses in the private sector.

D. Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect certain reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Accordingly, actual results could differ from those estimates.

Significant estimates used in preparing these financial statements include:

- Depreciation expense
- Accrual of net pension liability

The District believes the techniques and assumptions used in establishing these estimates are appropriate.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

E. Cash and Cash Equivalents

For purposes of the statements of cash flows, the District considers all highly liquid investments with original maturities of three months or less to be cash equivalents.

F. Investments

Investments are carried at fair value.

G. Accounts Receivables and Allowance for Uncollectible Accounts

Water and Wastewater revenues are billed on the tenth of every month. Revenues resulting from customer usage occurring after the last meter reading date and prior to the end of the year are accrued. This accrual is reflected under customer receivables in the Statement of Net Position. As of June 30, 2021 the accrued customer receivables were approximately \$2,239,454 and \$2,098,907 at June 30, 2020.

The District uses the allowance method, and a provision has been made for bad debts. Accounts for which no payments have been received are written off at the discretion of management. Accounts receivable as reflected in the financial statements are from customers located within the cities of Camarillo, Thousand Oaks and Moorpark, and an unincorporated portion of the County of Ventura.

H. Prepaid Items

Certain payments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items. Examples of prepaid items for the District are property and liability insurance premiums and payments for software maintenance, and meters that have not been installed.

I. Capital Assets

Capital assets that are acquired and/or constructed are capitalized at historical cost. District policy has set the capitalization threshold for reporting capital assets at \$5,000. Upon retirement or other disposition of capital assets, the cost and related accumulated depreciation are removed from the respective balances and any gains or losses are recognized. Depreciation is recorded on a straight-line basis over the estimated useful lives of the assets as follows:

Water Plant 20-40 years Sanitation Plant 20-50 years Buildings and Equipment 3-50 years

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

J. Construction in Progress

Construction in progress represents cost accumulated for the replacement and improvement of the District's water and wastewater systems as well as the rehabilitation of structures and other projects that were not completed as of year-end.

K. Deferred Outflows of Resources

In addition to assets, the statement of net position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to future periods and will not be recognized as an outflow of resources (expense) until that time. The District has the following items that qualify for reporting in this category.

- Deferred amount on debt refunding. A deferred amount on refunding results from the difference in the carrying value of refunded debt and its reacquisition price. This amount is deferred and amortized over the shorter of the life of the refunded or refunding debt.
- Deferred outflow related to pensions equal to employer contributions made after the measurement date of the net pension liability.
- Deferred outflow related to pensions for differences between expected and actual experience. This amount is amortized over a closed period equal to the average of the expected remaining service lives of all employees that are provided with pensions through the plans.
- Deferred outflow related to pensions resulting from changes in assumptions. This amount is amortized over a closed period equal to the average expected remaining service lives of all employees that are provided with pensions through the plans.
- Deferred outflows related to pensions for the changes in employer's proportion and differences between employer's contributions and the employer's proportionate share of contributions. These amounts are amortized over a closed period equal to the average of the expected remaining service lives of all employees that are provided with pensions through the plans.

L. Compensated Absences

The District's personnel policies provide for accumulation of annual leave. Liabilities for annual leave are recorded when benefits are earned. Cash payment of unused annual leave is available to those qualified employees eligible to cash out or when retired or terminated.

The changes in compensated absences were as follows:

_	Balance y 1, 2020	 Earned	 Taken	Balance e 30, 2021	 Current Portion	Long-Term Portion
\$	409,743	\$ 306,874	\$ (305,351)	\$ 411,266	\$ 281,563	\$ 129,703
_	Balance y 1, 2019	 Earned	 Taken	Balance e 30, 2021	 Current Portion	Long-Term Portion
\$	356,590	\$ 345,009	\$ (291,856)	\$ 409,743	\$ 260,012	\$ 149,731

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

M. Pensions

For purposes of measuring the net pension liability, deferred outflows and inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the District's California Public Employees' Retirement System (CalPERS) Plan (Plan) and additions to/deductions from the Plan's fiduciary net position have been determined on the same basis as they are reported by the CalPERS Financial Office. For this purpose, benefit payments (including refunds of employee contributions) are recognized when currently due and payable in accordance with the benefit terms. Investments are reported at fair value.

N. Deferred Inflows of Resources

In addition to liabilities, the statement of net position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to future periods and will not be recognized as an inflow of resources (revenue) until that time. The District has the following items that qualify for reporting in this category.

- Deferred inflow related to pensions resulting from net differences between projected and actual earnings on investments of the pension plans fiduciary net position. This amount is amortized over five years.
- Deferred inflow related to pensions for differences between expected and actual experience. This amount is amortized over a closed period equal to the average of the expected remaining service lives of all employees that are provided with pensions through the plans.
- Deferred inflow related to pensions resulting from changes in assumptions. This amount is amortized over a closed period equal to the average expected remaining service lives of all employees that are provided with pensions through the plans.
- Deferred inflows related to pensions for the changes in employer's proportion and differences between employer's contributions and the employer's proportionate share of contributions. These amounts are amortized over a closed period equal to the average of the expected remaining service lives of all employees that are provided with pensions through the plans.

O. Contributed Capital

Deeded facilities received from developers are recorded at estimated construction cost. Such facilities are recorded as District assets and are depreciated in accordance with established policies for similar capital assets. Easements granted are recorded at acquisition value, which is the price that would be paid to acquire an asset with equivalent service potential in an orderly market transaction at the acquisition date.

The District requires prepayment of water and sewer capital fees prior to commencement of construction of residential and commercial developments. Such fees, which are nonrefundable, are recorded as contributed capital upon receipt. Grants for capital asset acquisition, facility development and rehabilitation are reported as capital grant income.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

P. Recycled Water Sales Agreement

With the completion of the Camarillo Sanitary District (CamSan) Recycled Water Interconnection project, Camrosa began receiving recycled water from CamSan. Under the sales agreement, recycled water is provided free of charge, but valued at \$250/AF until Camrosa recoups the project cost of \$764,000. After the cost of the project is recouped, Camrosa will pay for recycled water on a volumetric basis, and the cost of water will be \$111.20/AF, to be adjusted every October by CPI. Camrosa expects to start paying for CamSan recycled water in July 2022. As of June 30, 2021, Camrosa has received 2,234.85 AF, which represents a recoupment value of \$558,712 and a remaining project cost recoupment of \$205,288.

Q. Property Taxes

The District receives property taxes collected for the District by the County of Ventura. Property taxes attach as an enforceable lien on property as of November 1 each year for the fiscal year July 1 to June 30. Taxes are levied on November 1 and are due and payable on December 10 of that year. Half of the taxes levied on November 1 become delinquent December 10 of that year and the remaining half is due on February 10 of the following year and become delinquent on April 10 of that year.

R. Net Position

Net Position represents the difference between assets and deferred outflows of resources, and liabilities and deferred inflows of resources on the financial statements. Net position is classified in the following categories:

- Net investment in capital assets Consists of capital assets, net of accumulated depreciation and reduced by any outstanding debt related to the acquisition, construction or improvement of those assets.
- Restricted net position Consists of net position with legal limitations imposed on their use by external restrictions by other governments, creditors, grantors, contributors, laws, or regulations, or through constitutional provision, or enabling legislation.
- Unrestricted net position Consists of all other net position that does not meet the definition of restricted or invested in capital assets.

S. Use of Restricted/Unrestricted Net Position

When both restricted and unrestricted resources are available, it is the District's policy to use restricted resources first and then unrestricted resources as they are needed. As of June 30, 2021, and 2020, the District had \$3,002,147 and \$1,999,910 in restricted resources (Mitigation & In-Lieu Fees), respectively.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Note 2 - Deposits and Investments

Cash and Investments

Cash and investments as of June 30, 2021, and 2020 are reported in the accompanying statement of net position as follows:

	2021	2020
Current assets:	· ·	
Cash and cash equivalents	\$ 29,564,770	\$ 25,193,410
Restricted cash and cash equivalents	627,378	499,472
Non-current assets:		
Restricted cash and cash equivalents	4,744,613	6,003,953
Total cash and investments	\$ 34,936,761	\$ 31,696,835

Cash and investments as of June 30, 2020, and 2020 consisted of the following:

	2021		2	2020
Cash on hand	\$	275	\$	275
Deposit with financial institutions	2,360	,048	1	,195,714
Restricted investments	4,933	3,833	6	,204,143
Unrestricted investments	27,642	2,605	24	,296,703
Total cash and investments	\$ 34,936	5,761	\$ 31	,696,835

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Investments Authorized by the California Government Code and the District's Investment Policy

The table below identifies the investment types that are authorized for the District by the California Government Code (or the District's investment policy, where more restrictive). The table also identifies certain provisions of the California Government Code (or the District's investment policy, where more restrictive) that address interest rate risk, credit risk and concentration of credit risk.

This table does not address investments of debt proceeds held by bond trustees that are governed by the provisions of debt agreements of the District, rather than the general provisions of the California Government Code or the District's investment policy.

		Maximum	Maximum
	Maximum	Percentage of	Investment in One
Authorized Investment Type	Maturity	Portfolio*	Issuer
United States Government-Sponsored			
Agency Obligations	5 years	None	None
United States Tresury Obligations	5 years	None	None
Collateralized Certificates of Deposit	5 years	None	Not to exceed
			FDIC insured limit
Negotiable Certificates of Deposit	5 years	30%	Not to exceed
			FDIC insured limit
Savings and Loan Association Deposits	None	None	Not to exceed
			FDIC insured limit
Repurchase Agreements	1 year	None	None
Banker's Acceptance	180 days	40%	None
Local Agency Investment Fund (LAIF)	N/A	None	None
County of Ventura Investment Pool	N/A	None	None

^{*} Excluding amounts held by bond trustee that are not subject to California Government Code restrictions. N/A Not applicable

Interest-Rate Risk. Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. One of the ways that the District manages its exposure to interest rates risk is by structuring the District's portfolio so that securities mature to meet the District's cash requirements for ongoing operations, thereby avoiding the need to sell securities on the open market prior to their maturity, investing primarily in short-term securities, and occasionally restructuring the portfolio to minimize the loss of fair value and/or to maximize cash flow.

Information about the sensitivity of the fair values of the District's investments (including investments held by bond trustee) to market interest rate fluctuations is provided by the following table that shows the distribution of the District's investments by maturity as of June 30, 2021 and 2020.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

June 30, 2021

	Re	maining Maturity (in Years)
	'	Less than
Investment Type		1 Year
Local Agency Investment Fund (LAIF)	'	27,642,605
Held by Bond Trustee:		
Money Market Mutual Funds		4,920,041
Insured Cash Shelter Account		13,792
Total	\$	32,576,438

June 30, 2020

	Re	maining Maturity (in Years)
		Less than
Investment Type		1 Year
Local Agency Investment Fund (LAIF)		24,296,703
Held by Bond Trustee:		
Money Market Mutual Funds		5,643,495
Insured Cash Shelter Account		560,648
Total	\$	30,500,846

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Credit Risk. Generally, credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. Presented in the following table are the minimum rating required by (where applicable) the California Government Code, the District's investment policy or debt agreements and the actual S&P's credit rating as of June 30, 2021, and 2020 for each investment type.

June 30, 2021

	Minimum Legal			
Investment Type	Rating	Total	Not Rated	AAA
LAIF	N/A	27,642,605	27,642,605	-
Held by Bond Trustee:				
Money Market Mutual Funds	AAA	4,920,041	-	4,920,041
Insured Cash Shelter Account	N/A	13,792	13,792	
Total		\$32,576,438	\$27,656,397	\$ 4,920,041

June 30, 2020

	Minimum Legal			
Investment Type	Rating	Total	Not Rated	AAA
LAIF	N/A	24,296,703	24,296,703	-
Held by Bond Trustee:				
Money Market Mutual Funds	AAA	5,643,495	-	5,643,495
Insured Cash Shelter Account	N/A	560,648	560,648	-
Total		\$30,500,846	\$24,857,351	\$ 5,643,495

Concentration of Credit Risk. The investment policy of the District contains limitations on the amount that can be invested in any one issuer beyond that stipulated by the California Government Code as noted in the Investments Authorized by the California Government Code and the District's Investment Policy section.

Custodial Credit Risk. Custodial credit risk for deposits is the risk that, in the event of the failure of depository financial institution, the District will not be able to recover its deposits or will not be able to recover collateral securities that are in the possession of an outside party. The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty (e.g., broker-dealer) to a transaction, the District will not be able to recover the value of its investment or collateral securities that are in the possession of another party. With respect to investments, custodial risk generally applies only to direct investments in marketable securities. Custodial credit risk does not apply to a local government's indirect investment in securities through the use of mutual funds or government investments pools (such as LAIF Investment Pool).

The Insured Cash Shelter Account held by Bond Trustee of \$13,792 are non-negotiable certificates of deposit held by the Bond Trustee's agent, not in the name of the District.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

The California Government Code and the District's investment policy do not contain legal or policy requirements that would limit the exposure to custodial credit risk for deposits or investments, other than the following provision for deposits: The California Government Code requires that a financial institution secure deposits made by state or local governmental units by pledging securities in an undivided collateral pool held by a depository regulated under state law (unless so waived by the governmental unit). The fair value of the pledged securities in the collateral pool must equal at least 110% of the total amount deposited by the public agencies. California law also allows financial institutions to secure District deposits by pledging first trust deed mortgage notes having a value of 150% of the secured public deposits.

As of June 30, 2021, all of the District's deposits with financial institutions were covered by federal depository insurance limits or were held in collateralized accounts.

Investment in State Investment Pool The District is a voluntary participant in the Local Agency Investment Fund (LAIF) that is regulated by the California Government Code Section 16429 under the oversight of the Treasurer of the State of California.

The State Treasurer's Office audits the fund annually. The fair value of the District's investment in this pool is reported at amounts based upon the District's pro-rata share of the fair value provided by LAIF for the entire LAIF portfolio (in relation to the amortized cost of that portfolio). The balance available for withdrawal is based on the accounting records maintained by LAIF, which are recorded on an amortized cost basis.

Fair Value Measurement The District categorizes its fair value measurement within the fair value hierarchy established by GAAP. The hierarchy is based on the valuation inputs used to measure the fair value of the assets. Level 1 inputs are quoted prices in active markets for identical assets, Level 2 inputs are quoted prices of similar assets in active markets, and Level 3 inputs are significant unobservable inputs.

The District's investments in LAIF and investments held by bond trustee in money market mutual funds and the insured cash shelter account are not subject to the fair value measurement hierarchy.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Note 3 - Note Receivable

The District had a note receivable from California State University, Channel Islands (CSUCI) for the construction of the water system on the premises of the university. The note required monthly payments of \$7,664 including interest of 5.5% and was paid in full in October 2020.

	 2020
CSUCI	\$ 30,308
Less Current Portion	 (30,308)
Net Note Receivable	\$ -

Note 4 - Capital Assets

The activity for each of the major classes of capital assets and accumulated depreciation for the fiscal years ended June 30, 2021 and 2020 are shown in the following tables:

June 30, 2021

			Transfers/		
Capital Assets by Major Class:	June 30, 2020 Increases		Decreases	June 30, 2021	
Capital Assets Not Being Depreciated:					
Land and Easements	\$ 1,684,380	\$ 220,578	\$ -	\$ 1,904,958	
Construction in Progress	4,184,008	3,956,217	(1,773,116)	6,367,109	
Total Capital Assets Not Being Depreciated	5,868,388	4,176,795	(1,773,116)	8,272,067	
Capital Assets Being Depreciated:					
Water Plant	71,344,790	1,475,478	(88,184)	72,732,084	
Sanitation Plant	31,049,483	83,731	(21,903)	31,111,311	
Buildings and Equipment	4,266,850	34,979	(217,294)	4,084,535	
Total Capital Assets Being Depreciated	106,661,123	1,594,188	(327,381)	107,927,930	
Less Accumulated Depreciation for:					
Water Plant	37,124,158	1,953,558	(79,913)	38,997,803	
Sanitation Plant	16,411,660	708,201	(21,903)	17,097,958	
Buildings and Equipment	2,647,524	385,502	(217,292)	2,815,734	
Total Accumulated Depreciation	56,183,342	3,047,261	(319,108)	58,911,495	
Total Capital Assets Being Depreciated, Net	50,477,781	(1,453,073)	(8,273)	49,016,435	
Capital Assets, Net	\$ 56,346,169	\$ 2,723,722	\$ (1,781,389)	\$ 57,288,502	

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

June 30, 2020

			Transfers/		
Capital Assets by Major Class:	June 30, 2019	Increases	Decreases	June 30, 2020	
Capital Assets Not Being Depreciated:					
Land and Easements	\$ 1,669,380	\$ 15,000	\$ -	\$ 1,684,380	
Construction in Progress	3,488,177	3,823,238	(3,127,407)	4,184,008	
Total Capital Assets Not Being Depreciated	5,157,557	3,838,238	(3,127,407)	5,868,388	
Capital Assets Being Depreciated:					
Water Plant	68,052,438	3,292,352	-	71,344,790	
Sanitation Plant	30,767,634	282,693	(844)	31,049,483	
Buildings and Equipment	3,524,259	744,175	(1,584)	4,266,850	
Total Capital Assets Being Depreciated	102,344,331	4,319,220	(2,428)	106,661,123	
Less Accumulated Depreciation for:					
Water Plant	35,269,479	1,854,679	-	37,124,158	
Sanitation Plant	15,697,458	715,046	(844)	16,411,660	
Buildings and Equipment	2,382,479	266,629	(1,584)	2,647,524	
Total Accumulated Depreciation	53,349,416	2,836,354	(2,428)	56,183,342	
Total Capital Assets Being Depreciated, Net	48,994,915	1,482,866		50,477,781	
Capital Assets, Net	\$ 54,152,472	\$ 5,321,104	\$ (3,127,407)	\$ 56,346,169	

Note 5 - Long-Term Debt

The District generally incurs long-term debt to finance projects or purchase assets that will have useful lives equal to or greater than the related term of the debt. The District's debt rating is "AA" from Standard & Poor's.

The net revenues of the Water System are pledged toward the repayment of the Water Revenue Bonds. FY2020-21, net water revenues totaled \$6,275,992 and principal and interest payments for water revenue bonds were \$843,081. FY2019-20, net revenues totaled \$3,770,071, and principal and interest payments were \$1,512,831. Also, the net revenues of the Wastewater System are pledged toward the repayment of the Wastewater Revenue Bonds. During FY2020-21, net wastewater revenues totaled \$1,385,131 and principal and interest payments for wastewater revenue bonds totaled \$191,450. FY2019-20, net revenues totaled \$1,008,589 and principal and interest payments were \$617,150.

The District is subject to certain revenue bond covenants on outstanding debt, as defined, equal to at least 115% of the current annual debt service requirements. As of June 30, 2021, the debt service coverage for Water was 744% and for Wastewater was 723%. As of June 30, 2020, the debt service coverage for Water was 249% and for Wastewater was 163%.

The outstanding balances for each of these long-term obligations are reported as liabilities on the statement of net position. The amount of the obligation that is due within one year is shown as a current liability and the balance as a noncurrent liability.

Bond premiums are deferred and amortized over the life of the bonds using the straight-line method. Bonds payable are reported net of the applicable bond premiums.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Water and Wastewater Revenue Bonds Series 2016A

In September 2016, the District issued Revenue Bonds, Series 2016A, in an aggregate principal amount of \$14,020,000. The proceeds from the sale of the bonds is being used to finance additional improvements to the Water System, and were also used to refund all of the outstanding Water and Wastewater Revenue Bonds, Series 2011A, fund a reserve account established for the bonds and to pay costs incurred in connection with the issuance, sale, and delivery of bonds. The bonds require semi-annual payments, with interest ranging from 2.00% to 5.00%, through January 2046.

Proceeds, bond premiums and remaining 2011A reserve accounts amounting to \$9,261,855 were placed in escrow to pay the principal and interest of the 2011A bonds when due, resulting in a deferred loss of debt refunding, which has an outstanding balance of \$593,174 at June 30, 2021. The outstanding balance of the refunded debt as of June 30, 2021 was \$6,105,000.

Water and Wastewater Refunding Revenue Bonds Series 2012

In February 2012, the District issued \$7,575,000 Water and Wastewater Refunding Revenue Bonds, Series 2012. The proceeds from the sale of the bonds were used to refund all of the outstanding Water and Wastewater Systems Refunding Revenue Bonds, Series 2001, previously issued by the District in the amount of \$11,700,000. These bonds were paid in full in January 2020.

The District's debt issues and transactions are summarized below:

Direct Borrowings: 2016 Refunding Bonds	Balance June 30, 2020 11.840.000	Additions/ New Debt	Proceeds/ Retirement (605,000)	Balance June 30, 2021 11.235.000	Current 640.000	Long-Term 10.595,000
2016 Refunding Bonds Premium	1,384,252	_	(54,188)	1.330.064	54,188	1,275,876
	\$ 13,224,252	\$ -	\$ (659,188)	\$ 12,565,064	\$ 694,188	\$11,870,876
Direct Borrowings: 2012 Refunding Bonds 2012 Refunding Bonds Premium 2016 Refunding Bonds 2016 Refunding Bonds Premium	Balance June 30, 2019 \$ 1,070,000 50,011 12,420,000 1,438,440 \$ 14,978,451	Additions/ New Debt \$ - - -	Proceeds/ Retirement \$ (1,070,000) (50,011) (580,000) (54,188) \$ (1,754,199)	Balance June 30, 2020 \$ - 11,840,000 1,384,252 \$ 13,224,252	Current \$ - 605,000 54,188 \$ 659,188	Long-Term \$ - 11,235,000 1,330,064 \$ 12,565,064

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Future debt service requirements through maturity are as follows:

	2010		
Fiscal Year	Revenue	Total	
Ending June 30	Bonds	Interest	Total
2022	640,000	417,431	1,057,431
2023	660,000	391,831	1,051,831
2024	695,000	358,831	1,053,831
2025	720,000	331,031	1,051,031
2026	760,000	302,231	1,062,231
2027-2031	4,135,000	1,155,619	5,290,619
2032-2036	945,000	786,400	1,731,400
2037-2041	1,180,000	557,500	1,737,500
2042-2046	1,500,000	232,500	1,732,500
	\$ 11,235,000	\$ 4,533,374	\$ 15,768,374

Debt Service Reserve The trust agreement of the revenue bond series 2016A require a reserve account to be created and held in trust by the Trustee for an amount equal to the Reserve Account Requirement. Moneys in the Reserve Account shall be used solely for the purpose of replenishing the Interest Account or the Principal Account under the Trust Agreement. The reserve account balance as of June 30, 2021 and 2020 was \$879,529 for the 2016A issuance.

Arbitrage At June 30, 2021 and 2020, the District has revenue bonds outstanding that are subject to arbitrage limitations. Arbitrage rebate refers to the required payment to the U.S. Treasury Department of excess earnings received on applicable tax-exempt bond proceeds that are invested at a higher yield than the yield of the tax-exempt bond issue. The District does not anticipate an arbitrage rebate liability.

Note 6 - Capital Fees and Capital Contributions

Capital Fees and Capital Contributions consisted of the following at June 30:

	2021		2020	
Potable Water Capital Contributions:	<u> </u>			
Capital Fees	\$	55,825	\$	9,825
Mitigation Fees		1,324,678		-
In-Kind Capital Contributions		3,600		740,246
Total Potable Water Capital Contributions		1,384,103		750,071
Sewer Capital Contributions:				
In-Kind Capital Contributions	\$		\$	241,351
Total Sewer Capital Contributions		-		241,351
Total Capital Contributions	\$	1,384,103	\$	991,422

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Note 7 - Deferred Compensation Plan

For the benefit of its employees, the District participates in three 457 Deferred Compensation Programs (Programs). The multiple Programs were created in accordance with Internal Revenue Code Section 457. The purpose of these Programs is to provide deferred compensation for employees that elect to participate in the Programs. Generally, eligible employees may defer a receipt of a portion of their salary until termination, retirement, death or unforeseeable emergency. Until the funds are paid or otherwise made available to the employee, the employee is not obligated to report the deferred salary for income tax purposes. The trusts hold the assets for the exclusive benefit of plan participants and their beneficiaries. Plan assets are not the property of the District, or subject to the claims of the District's general creditors. The ending investment balance was \$3,280,758 and \$2,513,596 as of June 30, 2021 and 2020, respectively.

Note 8 - Defined Benefit Pension Plan

A. General Information about the Pension Plan

Plan Descriptions All qualified permanent and probationary employees are eligible to participate in the Camrosa Water District's Miscellaneous Plan (Plan). The Plan is a cost-sharing multiple-employer defined benefit pension plan administered by the California Public Employees' Retirement System (CalPERS). Benefit provisions under the Plan are established by State and Local Government resolution. CalPERS issues publicly available reports that include a full description of the pension plans regarding benefit provisions, assumptions and membership information that can be found on the CalPERS website.

Benefits provided CalPERS provides service retirement and disability benefits, annual cost of living adjustments, and death benefits to plan members, who must be public employees and beneficiaries. Benefits are based on years of credited service, equal to one year of full-time employment. Members with five years of total service are eligible to retire at age 50 to 62 with statutorily reduced benefits. All members are eligible for non-industrial disability benefits after five (5) years of service. The death benefit is one of the following: the Basic Death Benefit, the 1957 Survivor Benefit, or the Optional Settlement 2W Death Benefit. The cost-of-living adjustments for each plan are applied as specified by the Public Employees' Retirement Law.

The Plan's provisions and benefits in effect at June 30, 2021 and 2020, are summarized as follows:

	Prior	On or after
Hire Date	January 1, 2013	January 1, 2013
Benefit Formula	2% @ 55	2% @ 62
Benefit Vesting Schedule	5 years of service	5 years of service
Benefit Payments	monthly for life	monthly for life
Retirement Age	50	52
Monthly Benefit as a % of eligible compensation	1.426% to 2.418%	1.0% to 2.5%
Required Employee Contribution Rates	7%	6.75%
Required Employer Contribution Rates		
Normal Cost Rate:		
June 30, 2021	10.484%	7.732%
June 30, 2020	9.680%	6.985%
Payment of Unfunded liability		
June 30, 2021	\$0.00	\$6,381
June 30, 2020	\$5,303,563	\$2,816

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Contributions Section 20814(c) of the California Public Employees' Retirement Law requires that the employer contribution rates for all public employers are determined on an annual basis by the actuary and shall be effective on the July 1 following notice of a change in the rate. The total plan contributions are determined through the CalPERS' annual actuarial valuation process. The Plan's actuarially determined rate is based on the estimated amount necessary to pay the Plan's allocated share of the risk pool's costs of benefits earned by employees during the year. The District is required to contribute the difference between the actuarially determined rate and the contribution rate of employees. District contributions rates may change if plan contracts are amended. Payments made by the employer to satisfy contribution requirements that are identified by the pension plan terms as plan member contributions requirements are classified as plan member contributions.

B. Pension Liabilities, Pension Expense and Deferred Outflows/Inflows of Resources Related to Pensions

As of June 30, 2021, the District's reported net asset for its proportionate share of the net pension asset was \$25,227, compared to a net pension liability of \$4,821,108 as of June 30, 2020.

The District's net pension asset and net pension liability for the Plan is measured as the proportionate share of the net pension liability. The net pension liability of the Plan is measured as of June 30, 2020 and 2019, and the total pension liability for the Plan used to calculate the net pension liability was determined by an actuarial valuation as of June 30, 2019 and 2018 rolled forward to June 30, 2020 and 2019, respectively, using standard update procedures. The District's proportion of the net pension liability was based on a projection of the District's long-term share of contributions to the pension plan relative to the projected contributions of all participating employers, actuarially determined.

The District's proportionate share percentage of the net pension liability for the June 30, 2020, measurement date was as follows:

Proportion - June 30, 2019	0.12039%
Proportion - June 30, 2020	-0.00060%
Change - Increase (Decrease)	-0.12099%

The District's proportionate share percentage of the net pension liability for the June 30, 2019, measurement date was as follows:

Proportion - June 30, 2018	0.11840%
Proportion - June 30, 2019	0.12039%
Change - Increase (Decrease)	0.00199%

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

For the year ended June 30, 2021 and 2020, the District recognized pension expense of \$841,326 and \$899,916, respectively. At June 30, 2021, the District reported deferred outflows and inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources		Deferred Inflows of Resources	
Contributions paid after measurement date	\$	265,930	\$	-
Net Difference between Projected and Actual Earnings on Pension Plan Investments				750
Differences between Expected and Actual Experiences				1,300
Changes in Assumptions		180		
Changes in Proportion and Difference between Actual Contributions and Proportionate Share of Contributions		3,533,650		3,339,125
Total	\$	3,799,760	\$	3,341,175

The \$265,930 reported as deferred outflows of resources is related to pensions the District contributed after the measurement date and will be recognized as a reduction of the net pension liability in the year ending June 30, 2022.

Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized as pension expense as follows:

Deferred
Outflows/(inflows) of
Resources
57,409
77,557
58,049
(359)
0

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

At June 30, 2020, the District reported deferred outflows and inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources		Deferred Inflows of Resources	
Contributions paid after measurement date	\$	5,560,556	\$	-
Net Difference between Projected and Actual Earnings on Pension Plan Investments		-		84,289
Differences between Expected and Actual Experiences		334,846		25,944
Changes in Assumptions		229,893		81,495
Changes in Proportion and Difference between Actual Contributions and Proportionate Share of Contributions		47,211		100,462
Total	\$	6,172,506	\$	292,190

The \$5,560,556 reported as deferred outflows of resources is related to pensions the District contributed aster the measurement date and will be recognized as a reduction of the net pension liability in the year ending June 30, 2021. Other amounts reported as deferred outflows of resources related to pensions will be recognized as pension expense as follows:

	Deferred
Measurement Period	Outflows/(inflows) of
Ended June 30:	Resources
2021	312,033
2022	(54,220)
2023	44,916
2024	17,031
Thereafter	0

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Actuarial Methods and Assumptions For the measurement periods ending June 30, 2020 and 2019 (the measurement dates), the total pension liability was determined by an actuarial valuation as of June 30, 2019, and 2018, with update procedures used to roll forward the total pension liability to June 30, 2020 and 2019. The total pension liabilities were based on the following actuarial methods and assumptions:

Miscellaneous

Valuation Date June 30, 2019 and 2018 Measurement Date June 30, 2020 and 2019

Actuarial Cost Method Entry-Age Normal Cost Method

Actuarial Assumptions

Discount Rate 7.15% Inflation 2.50% Salary Increases (1)

Mortality Rate Table (2)

Post Retirement Benefit Increase (3)

- (1) Varies by entry age and service
- (2) The mortality table used was developed based on CalPERS-specific data. The probability of mortality are based on the 2017 CalPERS Experience Study for the period from 1997 to 2015. Pre-retirement and Post-retirement mortality rates includes 15 years of projected mortality improvement using 90% of Scale MP-2016 published by the Society of Actuaries. For more details on this table, please refer to, CalPERS experiences Study and Review of Actuarial Assumptions report from December 2017 that can be found on CalPERS website.
- (3) The less of contract COLA or 2.50% until Purchasing Power Protection Allowance Floor on purchasing power applies, 2.50% thereafter.

Discount Rate The discount rate used to measure the total pension liability was 7.15% for the measurement periods ended June 30, 2020 and 2019. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current member contribution rates and that contributions from employers will be made at statutorily required rates, actuarially determined. Based on those assumptions, the Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Sensitivity of the Net Pension Liability to Changes in Discount Rate The following presents the District's proportionate share of the net pension liability for the Plan, calculated using the discount rate for the Plan, as well as what the District's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower or 1 percentage point higher than the current rate:

June 30, 2019 (measurement date)

\$2,903,122

June 30, 2020 (measurement date)

Net Pension Liability

1% Decrease	6.15%	1% Decrease	6.15%
Net Pension Liability	\$2,372,269	Net Pension Liability	\$7,144,730
Current Discount Rate	7.15%	Current Discount Rate	7.15%
Net Pension Liability	(\$25,227)	Net Pension Liability	\$4,821,108
1% Increase	8.15%	1% Increase	8.15%

(\$2,006,202)

Long-term Expected Rate of Return The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class.

Net Pension Liability

In determining the long-term expected rate of return, CalPERS took into account both short-term and long-term market return expectations as well as the expected pension fund cash flows. Such cash flows were developed assuming that both members and employers will make their required contributions on time and as scheduled in all future years. Using historical returns of all the funds' asset classes, expected compound returns were calculated over the short-term (first 10 years) and the long-term (11 + years) using a building-block approach. Using the expected nominal returns for both short-term and long-term, the present value of benefits was calculated for each fund. The expected rate of return was set by calculating the single equivalent expected return that arrived at the same present value of benefits for cash flows as the one calculated using both short-term and long-term returns. The expected rate of return was then set equivalent to the single equivalent rate calculated above and adjusted to account for assumed administrative expenses.

The expected real rate of return by asset class are as follows for the measurement periods ended June 30, 2020 and 2021:

Asset Class (a)	Target Allocation	Real Return Years 1-10 *	Real Return Years 11+ **
Global Equity	50.0%	4.80%	5.98%
Fixed Income	28.0%	1.00%	2.62%
Inflation Assets	0.0%	0.77%	1.81%
Private Equity	8.0%	6.30%	7.23%
Real Estate	13.0%	3.75%	4.93%
Liquidity	1.0%	0.00 %	(0.92)%

⁽a) In the CalPERS CAFR, Fixed Income is included in Global Debt Securities; Liquidity is included in Short-term Investments; Inflation Assets are included in both Global Equity Securities and Global Debt Securities

^{*} An expected inflation of 2% used for this period

^{**}An expected inflation of 2.92% used for this period

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Pension Plan Fiduciary Net Position Detailed information about each pension plan's fiduciary net position is available in the separately issued CalPERS financial reports.

Payable to the Pension Plan

At June 30, 2021, the District reported a payable of \$20,463 for the outstanding amount of contributions to the pension plan required for the year ended June 30, 2021. At June 30, 2020, the District reported a payable of \$3,493 for the outstanding amount of contributions to the pension plan required for the year ended June 30, 2020.

Note 9 - Profit Share Plan

The District has a profit sharing plan, pursuant to Section 401 of the Internal Revenue Code. The plan includes a provision under Section 414(h)(2) whereby each plan participant that is classified as management is required to contribute 5% of salary. Mandatory contributions totaled \$72,991 and \$74,970 in 2021 and 2020, respectively. The amount of payroll subject to the contributions totaled \$1,459,823 and \$1,499,388 in 2021 and 2020, respectively.

Note 10 - Major Customers

The District's top ten water customers represent 22% and 23% of the water revenue sales during the fiscal year ended June 30, 2021 and 2020, respectively. The District's top ten wastewater customers represent 42% and 43% of the wastewater revenue during the fiscal year ended June 30, 2021 and 2020, respectively.

Note 11 - Risk Management

The District is a member of the Association of California Water Agencies Joint Powers Insurance Authority (Insurance Authority). The Insurance Authority is a risk-pooling self-insurance authority, created under provisions of California Government Code Sections 6500 et seq. The purpose of the Authority is to arrange and administer programs of insurance for the pooling of self-insured losses and to purchase excess insurance coverage.

At June 30, 2021 and 2020, the District participated in the self-insurance programs of the Insurance Authority as follows:

Property Loss The Insurance Authority has pooled self-insurance up to \$100,000 per occurrence and has purchased excess insurance coverage of \$500,000,000 (total insurable values of \$23,642,301 as of June 30, 2021 and \$23,528,829 as of June 30, 2020). The District has a \$5,000 deductible for buildings, personal property, \$1,000 deductible for mobile equipment and vehicles, deductibles ranging from \$25,000 to \$50,000 based on type of equipment for boiler and machinery.

General Liability The Insurance Authority has pooled self-insurance up to \$5,000,000 per occurrence with an annual aggregate limit of \$55,000,000.

Auto Liability The Insurance Authority has pooled self-insurance up to \$5,000,000 per occurrence with an annual aggregate limit of \$55,000,000.

Public Official's Liability The Insurance Authority has pooled self-insurance up to \$5,000,000 per occurrence and has purchased excess insurance coverage of \$55,000,000.

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Cyber Liability The Insurance Authority has purchased insurance coverage of \$5,000,000 per occurrence as of June 30, 2021, and \$3,000,000 per occurrence as of June 30, 2020 and with a \$5,000,000 aggregate limit for both years ended.

Crime Bond The Insurance Authority has pooled self-insurance up to \$100,000 per occurrence. The District did not purchase excess insurance coverage. The District has a \$1,000 deductible.

Worker's Compensation The Insurance Authority has pooled self-insurance up to \$2,000,000 and has purchased excess insurance coverage to the statutory limits.

The District pays annual premiums for the coverages. There were no instances in the past three years when a settlement exceeded the District's coverage, and there were no reductions in the District's insurance coverage for the past three years.

Note 12 - Joint Powers Agreement creating the Arroyo Santa Rosa Valley Basin Groundwater Sustainability Agency (GSA)

The District, along with the County of Ventura, participate as members of the Arroyo Santa Rosa Valley Basin Groundwater Sustainability Agency (GSA), to provide sustainable management of the Arroyo Santa Rosa Valley Basin pursuant to the Sustainable Groundwater Management Act of 2014 (SGMA). The Basin underlies the Santa Rosa Valley.

The GSA will develop, adopt, and implement a Groundwater Sustainability Plan (GSP) for the Basin pursuant to SGMA and other applicable provisions of law. It has been determined that the GSA is a blended component unit of the District. At June 30, 2021 the GSA had total assets of \$74,067, total liabilities of \$23,061 and net position of \$51,006. At June 30, 2020, the GSA had total assets of \$90,165, total liabilities of \$16,217 and net position of \$73,948. These amounts are included in the financial information of the District.

Note 13 - Leases

The District has various leases for vehicles and equipment that are classified as operating leases. Total rent expense for all operating leases for 2021 and 2020 were \$79,359 and \$63,897, respectively.

Future minimum lease payments under the operating leases with initial or remaining terms of one year or more are as follows:

Year Er	nding June	30:	
	2022		85,538
	2023		84,135
	2024		82,371
	2025		77,079
	2026	_	37,929
Total		-	\$ 367,052

Camrosa Water District Notes to Financial Statements For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Note 14 - Commitments and Contingencies

Grant Award Grant funds received by the District are subject to audit by the grantor agencies. Such audits could lead to requests for reimbursements to the grantor agencies for expenditures disallowed under terms of the grant. Management of the District believes that such disallowances, if any, would not be significant.

Litigation In the ordinary course of operations, the District is subject to claims and litigation from outside parties. After consultation with legal counsel, the District believes the ultimate outcome of such matters, if any, will not materially affect its financial condition.

Long Term Commitments The District has an agreement with the City of Thousand Oaks to purchase non-potable surface water. The term of the agreement is for 40 years, effective June 5, 2013. The parties, by mutual consent, may extend the term of the agreement for additional five-year periods. The average yearly purchase of non-potable water for the last four years is \$736,153. Upon the effective date of the agreement, the price per acre foot of non-potable water was \$104.89, and the parties agreed to adjust the unit price per acre foot on September 1st of each year by adjusting the unit price by the annual percentage change from the preceding July to July period of the Consumer Price Index of Los Angeles-Riverside-Orange County. The FY2020-21 price per acre foot of non-potable water is \$124.60.

Contingencies On January 30, 2020, the World Health Organization ("WHO) announced a global health emergency because of an outbreak of a new strain of coronavirus (the "COVID-19 outbreak") and the risks that is posed to the international community as the virus spread globally beyond its point of origin. In March 2020, the WHO classified the COVID-19 outbreak as a pandemic based on the rapid increase in exposure globally.

The full impact of the COVID-19 outbreak continues to evolve as of the date of this report. As such, it is uncertain as to the full magnitude that the pandemic will have on the District's financial condition, liquidity, and future results of operations. Management is actively monitoring the impact of the global situation on the District's financial condition, liquidity, operations and workforce. We have seen volatility in materials markets and global supply chains lead to longer lead times and increased costs, but these conditions have not caused significant disruption to District operations or impact on District finances. The District cannot estimate the length or gravity of the impact of the COVID-19 outbreak at this time, but based on the experience of FY2020-21, which elapsed entirely within the span of the pandemic, we do not anticipate any material effect on the District's results of future operations or financial position in FY2021-22.

Camrosa Water District

Required Supplementary Information Schedule of Proportionate Share of Net Pension Liability

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Last Ten Fiscal Years*

	Miscellaneous					
Fiscal year ended	June 30, 2021	June 30, 2020	June 30, 2019	June 30, 2018	June 30, 2017	
Measurement period	June 30, 2020	June 30, 2019	June 30, 2018	June 30, 2017	June 30, 2016	
Plan's proportion of the net pension liability	-0.00060%	0.12039%	0.11840%	0.11469%	0.11286%	
Plan's proportionate share of the net pension liability (asset	\$ (25,227)	\$ 4,821,108	\$ 4,462,042	\$ 4,521,229	\$ 3,920,511	
Plan's covered payroll	\$ 2,546,212	\$ 2,412,241	\$ 2,251,315	\$ 2,073,238	\$ 1,801,650	
Plan's proportionate share of the net pension liability as a percentage of covered payroll	-0.99%	199.86%	198.20%	218.08%	217.61%	
Plan's proportionate share of the fiduciary net position as a percentage of the Plan's total pension liability	100.14%	72.09%	72.65%	72.83%	74.03%	
	Miscellaneous		_ .			
Fiscal year ended	June 30, 2016	June 30, 2015				
Measurement period	June 30, 2015	June 30, 2014				
Plan's proportion of the net pension liability	0.09775%	0.04777%				
Plan's proportionate share of the net pension liability	\$ 2,681,851	\$ 2,972,338				
Plan's covered payroll	\$ 1,855,543	\$ 1,793,513				
Plan's proportionate share of the net pension liability as a percentage of covered payroll	144.53%	165.73%				
Plan's proportionate share of the fiduciary net position as a percentage of the Plan's total pension liability	78.40%	78.74%				

Notes to Schedule:

Benefit Changes:

There were no changes in benefits.

Changes in Assumptions:

From fiscal year June 30, 2015 to June 30, 2016:

GASB 68, paragraph 68 states that the long-term expected rate of return should be determined net of pension plan investment expense but without reduction for pension plan administrative expense. The discount rate of 7.50% used for the June 30, 2014 measurement date was net of administrative expenses. The discount rate of 7.65% used for the June 30, 2015 measurement date is without reduction of pension plan administrative expense.

From fiscal year June 30, 2016 to June 30, 2017:

There were no changes in assumptions.

From fiscal year June 30, 2017 to June 30, 2018:

The discount rate was reduced from 7.65% to 7.15%.

From fiscal year June 30, 2018 to June 30, 2019:

There were no significant changes in assumptions.

From fiscal year June 30, 2019 to June 30, 2020:

There were no changes in assumptions.

From fiscal year June 30, 2020 to June 30, 2021:

There were no changes in assumptions.

^{* -} Fiscal year 2015 was the 1st year of implementation, therefore only seven years are shown.

Camrosa Water District Required Supplementary Information Schedule of Contributions

For the Fiscal Year Ended June 30, 2021

Schedule of Contributions

Last Ten Fiscal Years*

	Miscellaneous					
Fiscal year ended	June 30, 2021	June 30, 2020	June 30, 2019	June 30, 2018	June 30, 2017	
Contractually required contribution (actuarially determined)	\$ 260,929	\$ 561,959	\$ 458,869	\$ 406,564	\$ 358,336	
Contributions in relation to the actuarially determined contributions	(265,930)	(5,560,556)	(458,869)	(406,564)	(358,336)	
Contribution deficiency (excess)	\$ (5,001)	\$ (4,998,597)	\$ -	\$ -	\$ -	
Covered payroll	\$ 2,399,727	\$ 2,546,212	\$ 2,412,241	\$ 2,251,315	\$ 2,073,238	
Contributions as a percentage of covered payroll	11.08%	218.39%	19.02%	18.06%	17.28%	
Notes to Schedule:						
Valuation Date	6/30/2018	6/30/2017	6/30/2016	6/30/2015	6/30/2014	
Methods and Assumptions Used to Determine	ne Contribution Rates	:				
Actuarial cost method Amortization method Asset valuation method	Entry age (1) Fair Value					
Inflation Salary increases	2.625% (2)	2.625% (2)	2.75% (2)	2.75% (2)	2.75% (2)	
Investment rate of return Retirement age Mortality	7.25% (3) (4) (5)	7.25% (3) (4) (5)	7.375% (3) (4) (5)	7.50% (3) (4) (5)	7.50% (3) (4) (5)	

⁽¹⁾ Level percentage of payroll, closed

⁽²⁾ Depending on age, service, and type of employment

⁽³⁾ Net of pension plan investment expense, including inflation

⁽⁴⁾ Prior January 1, 2013- 2%@55, On or after January 1, 2013-2%@62

⁽⁵⁾ Mortality assumptions are based on mortality rates resulting from the most recent CalPERS Experience Study adopted by the CalPERS Board.

^{* -} Fiscal year 2015 was the 1st year of implementation, therefore only six years are shown.

Camrosa Water District **Required Supplementary Information Schedule of Contributions-Continued** For the Fiscal Year Ended June 30, 2021

Schedule of Contributions-Continued

Misc	cellaneous	
Fiscal year ended	June 30, 2016	June 30, 2015
Contractually required contribution (actuarially determined)	\$ 299,168	\$ 268,188
Contributions in relation to the actuarially determined contributions	(299,168)	(268,188)
Contribution deficiency (excess)	\$	\$ -
Covered payroll	\$ 1,801,650	\$ 1,855,543
Contributions as a percentage of covered payroll	16.61%	14.45%
Notes to Schedule:		
Valuation Date	6/30/2013	6/30/2012
Methods and Assumptions Used to D Actuarial cost method Amortization method Asset valuation method Inflation Salary increases	etermine Contribution Rates: Entry age (1) Fair Value 2.75% (2)	Entry age (1) 15 Year Smoothed Market Method 2.75% (2)
Investment rate of return Retirement age Mortality (1) Level percentage of payroll, closed (2) Depending on age, service, and type	(4) (5)	7.50% (3) (4) (5)

Prior January 1, 2013-2%@55, On or after January 1, 2013-2%@62

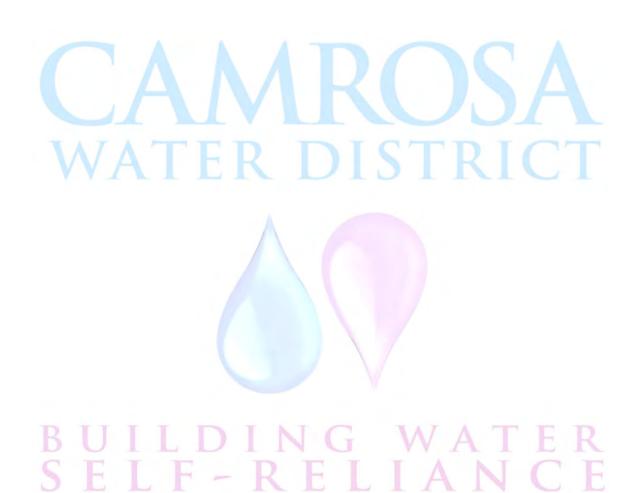
Net of pension plan investment expense, including inflation

(3)

(4)

Mortality assumptions are based on mortality rates resulting from the most recent CalPERS Experience Study (5) adopted by the CalPERS Board.

^{* -} Fiscal year 2015 was the 1st year of implementation, therefore only six years are shown.



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Camrosa Water District

Other Supplementary Information Budgetary Comparison Schedule For the Fiscal Year Ended June 30, 2021

		Budget		Actual Budget Basis	Variance with Budget Positive (Negative)
Operating Revenue				<u></u> -	
Potable Water Sales	\$	12,059,800	\$	12,772,834	\$ 713,034
Recycle/Non-Potable Water Sales		5,064,600		4,823,961	(240,639)
Water Sales to PV		1,003,300		1,669,579	666,279
Meter Revenue		2,236,700		2,346,434	109,734
Sewer Revenue		3,837,200		3,855,258	18,058
Special Services		84,143		29,923	(54,220)
Pump Zone/Miscellaneous		52,000		125,560	73,560
Total Operating Revenue		24,337,743		25,623,549	1,285,806
Non-Operating Revenue					-
Property Taxes		640,945		700,753	59,808
Interest Income		137,905		141,595	3,690
Total Non-Operating Revenues		778,850		842,348	63,498
Operating Expenses		0.044.070		0.404.050	(457.670)
Water Purchases - CMWD		8,944,278		9,401,950	(457,672)
CMWD Fixed Charges		791,376		853,914	(62,538)
CCP		635,632		958,007	(322,375)
CamSam		30,000		450.027	30,000
SMP CMWD		230,417		159,937	70,480 31.001
Utilities Salaries & Benefits		1,569,207 4,010,445		1,538,206	436,538
Contract/Prof. Svcs		2,841,269		3,573,907 1,626,615	1,214,654
					715,861
Supplies & Services Total Operating Expenses		2,788,602 21,841,226		2,072,741 20,185,277	1,655,949
Non-Operating Expenses					
Debt Service 2011A/2016		1,052,031		1,034,531	17,500
Rate Stabilization Contribution		85,000		295,000	(210,000)
Capital Replacement Contribution		2,137,763		3,955,000	(1,817,237)
Total Non-Operating Expenses		3,274,794		5,284,531	(2,009,737)
				, ,	
Net Operating Results		573		996,089	995,516
Capital Fees		-		1,380,503	1,380,503
Grants		-		777	777
Net Operating Results	\$	573		\$ 2,377,369	\$ 2,376,796
Adjustments to Accounting Principles Generally Accepted in The United States of America					
Depreciation Expense				(3,047,261)	
Loss of Asset				(8,273)	
Unrealized Loss on Investments				(116,488)	
Blended component unit activity-Arroy	/o S	anta Rosa GSA	١.	(22,942)	
Rate Stabilization Contribution				295,000	
Capital Replacement Contribution				3,955,000	
Contributed Capital In-Kind				3,600	
Principal Payments on Debt				605,000	
GASB68 Effect on Pension Expense				(580,397)	
Amortization of Bonds Premium				(9,087)	
Change in Net Position				3,451,521	
Net Position at Beginning of Year				76,388,209	
Net Position at End of Year				\$ 79,839,730	
				÷ . 5,555, 56	

Camrosa Water District

Other Supplementary Information Budgetary Comparison Schedule For the Fiscal Year Ended June 30, 2020

		Budget		<u>Actual</u> Budget Basis		Variance with Budget Positive (Negative)
Operating Revenue Potable Water Sales	Φ	11 106 000	φ	10 CEE CC1	Φ	(450, 226)
Recycle/Non-Potable Water Sales	\$	11,106,000 4,650,500	\$	10,655,664 4,507,819	\$	(450,336) (142,681)
Water Sales to PV		704,700		1,340,423		635,723
Meter Revenue		2,292,300		2,312,427		20,127
Sewer Revenue		3,533,382		3,575,963		42,581
Special Services		58,600		97,957		39,357
Pump Zone/Miscellaneous		43,700		49,366		5,666
Total Operating Revenue		22,389,182		22,539,619		150,437
Non-Operating Revenue		500,000		004.000		405.000
Property Taxes		536,000		661,932		125,932
Interest Income Total Non-Operating Revenues		130,000 666,000		655,911 1,317,843		525,911 651,843
Total Non-Operating Revenues		666,000		1,317,643		651,643
Operating Expenses						
Water Purchases - CMWD		6,556,057		7,974,574		(1,418,517)
CMWD Fixed Charges		817,642		764,544		53,098
CCP		618,963		658,919		(39,956)
SMP CMWD		251,662		134,156		117,506
Utilities		1,736,338		1,273,725		462,613
Salaries & Benefits		4,755,019		4,308,257		446,762
Contract/Prof. Svcs		2,701,848		1,821,908		879,940
Supplies & Services		2,863,602		2,152,543		711,059
Total Operating Expenses		20,301,131		19,088,626		1,212,505
Non-Operating Expenses						
Debt Service 2011A/2016		1,045,731		1,033,231		12,500
Debt Service 2012		561,750		1,096,750		(535,000)
Rate Stabilization Contribution		100,000		100,000		- (4.050.000)
Capital Replacement Contribution		250,000		1,300,000		(1,050,000)
Total Non-Operating Expenses		1,957,481		3,529,981		(1,572,500)
Net Operating Results		796,570		1,238,855		442,285
Capital Fees		_		9,825		9,825
Grants		-		326,415		326,415
Net Operating Results	\$	796,570		\$ 1,575,095		\$ 778,525
Adjustments to Accounting Principles Generally Accepted in The United States of America Depreciation Expense Loss of Asset				(2,836,354)		
Unrealized Gain on Investments	^	anta Da CO	^	118,781		
Blended component unit activity-Arroy Rate Stabilization Contribution	<i>ι</i> υ S	anta Rosa GS	Н	(1,022)		
_				100,000		
Capital Replacement Contribution Contributed Capital In-Kind				1,300,000 981,597		
Principal Payments on Debt				1,650,000		
Amortization of Bonds Premium				23,044		
Change in Net Position				2,911,141		
Net Position at Beginning of Year				73,477,068		
Net Position at End of Year				\$ 76,388,209		

Camrosa Water District Other Supplementary Information Budgetary Comparison Schedule

For the Fiscal Years Ended June 30, 2021 and June 30, 2020

Budgetary Policy The District prepares annual operating budgets for planning, control, and evaluation purposes. Project-length budgets, which generally encompass more than one fiscal year, are also prepared for major construction projects.

Adopted Operating and Capital Budget In June 2020, the Board of Directors adopted a \$22.9 million budget for FY2020-21. The District adheres to the budget policies and budgetary controls. The schedule on the previous page presents the Adopted Operating Budget amounts and compares them to actual amounts as presented on a modified accrual basis, which are different from the amounts presented on an accrual basis in the Statements of Revenues, Expenses, and Changes in Net Position for the Fiscal Years ended June 30, 2021 and 2020.

Monthly and Quarterly Financial Reporting In accordance with best financial management practices, Finance provides monthly financial reports to District Staff and quarterly financial reports to the Board of Directors. Performance compared to the budget is monitored throughout the year. These monthly financial reports are prepared to provide timely information on the financial progress of the District.

Annual Financial Reporting The District elects to present the budgetary schedule, optional for Enterprise Funds, in accordance with best practices recommended by professional accounting organizations and in keeping the District's commitment to transparency in financial reporting and disclosure. The schedule is prepared on a budgetary basis and compares the adopted budget to actual expenses for the period as presented on Budgetary Comparison Schedule in Other Supplementary Information.



INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

Board of Directors of Camrosa Water District Camarillo, California

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of Camrosa Water District (the District) as of and for the year ended June 30, 2021, and the related notes to the financial statements, which collectively comprise the District's basic financial statements, and have issued our report thereon dated REPORT DATEREPORT DATE.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the District's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we do not express an opinion on the effectiveness of the District's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the District's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit, we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified



Compliance and Other Matters

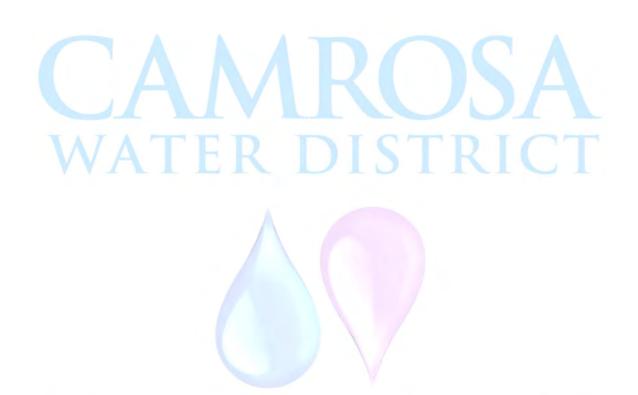
As part of obtaining reasonable assurance about whether the District's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the District's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

CliftonLarsonAllen LLP

Irvine, California REPORT DATE



BUILDING WATER SELF-RELIANCE

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Statistical Section

This part of the District's annual financial report presents detailed background to the financial statements and preceding narrative sections, and corroboration of statements as to the District's overall financial health.

Contents:	Pages:
<u>Financial Trends</u> schedules contain trend information to help the reader understand how the District's financial performance and well-being have changed over time.	53-60
Revenue Capacity schedules contain information to help the reader assess the District's most significant local revenue source; water sales.	61-72
<u>Debt Capacity</u> schedules present information to help the reader assess the affordability of the District's current levels of outstanding debt and the District's ability to issue additional debt in the future.	73-75
Operational Information schedules present historical water demand, water Source and District's facilities to help the reader understand how the information in the District's financial reports relates to the services the District provides and the activities it performs.	77-81
<u>Demographic and Economic Information</u> schedules assist reader to understand the environment within which the District's financial activities take place.	83-84

Financial Trends

Camrosa Water District Net Position by Component Last Ten Fiscal Years (accrual basis of accounting)

	2012	 2013	 2014	 2015
Net Position				
Net investment in capital assets	\$ 30,139,020	\$ 32,243,467	\$ 41,338,152	\$ 41,644,267
Restricted	-	-	-	-
Unrestricted	18,808,381	19,597,906	14,197,247	11,883,870
Total Net Position	\$ 48,947,401	\$ 51,841,373	\$ 55,535,399	\$ 53,528,137

Table 1 – Net Position by Component (1 of 2)

Camrosa Water District Net Position by Component Last Ten Fiscal Years (accrual basis of accounting)

 2016	 2017	 2018	 2019	2020	 2021
\$ 43,002,970	\$ 43,454,256	\$ 43,930,663	\$ 45,772,455	\$ 49,981,241	\$ 50,019,490
-	-	-	-	1,999,910	3,002,147
14,821,731	18,496,514	21,690,553	27,704,613	24,407,058	26,818,093
\$ 57,824,701	\$ 61,950,770	\$ 65,621,216	\$ 73,477,068	\$ 76,388,209	\$ 79,839,730

Table 1 – Net Position by Component (2 of 2)

Camrosa Water District Changes in Net Position Last Ten Fiscal Years

	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Water Revenue	\$ 10,925,574	\$ 12,263,213	\$ 13,563,401	\$ 12,870,854
Sewer Revenue	2,860,876	2,886,205	3,121,845	3,189,312
Meter Revenue	1,622,818	1,642,204	2,146,078	2,289,890
Other	113,114	77,870	123,790	90,392
Total Operating Revenues	15,522,382	16,869,492	18,955,114	18,440,448
Operating Expenses				
Water Purchases	7,039,814	8,058,511	9,008,654	8,305,257
Utilities	1,019,844	1,066,593	1,393,717	1,477,011
Salaries & Benefits	2,646,411	2,462,314	2,619,886	2,709,587
Outside Contract/Professional Services	1,058,357	946,930	821,497	1,015,370
Supplies & Services	848,344	847,752	1,064,287	1,502,354
Amortization	14,191	-	-	-
Depreciation	2,077,598	2,123,625	2,133,668	2,179,599
Operating Expenses	14,704,559	15,505,725	17,041,709	17,189,178
Operating Income	817,823	1,363,767	1,913,405	1,251,270
Non-Operating Revenues				
Property Taxes	499,273	498,948	509,066	544,911
Interest Income	61,341	87,209	86,291	87,466
Unrealized Gain on Investments	-	-	-	-
Gain on Disposal of Fixed Asset	-	-	-	-
Non-Operating Revenues	560,614	586,157	595,357	632,377
Non-Operating Expenses				
Loss of Capital Asset	14	423	246	110,092
Debt Issuance Costs	-	-	-	-
Unrealized loss on Investment	-	-	-	-
Interest Expense	573,241	567,140	542,633	515,489
Non-Operating Expenses	573,255	567,563	542,879	625,581
Income Before Capital Contributions	805,182	1,382,361	1,965,883	1,258,066
Capital Contributions	280,792	51,400	1,201,427	116,963
Grants	_	1,460,211	839,789	76,298
	280,792	1,511,611	2,041,216	193,261
Effects	1,085,974	2,893,972	4,007,099	1,451,327
Cummulative Effect of Accounting Changes		_	(313,073)	(3,458,589)
Change in Net Position	1,085,974	2,893,972	3,694,026	(2,007,262)
Net Position Beginning of Year	47,861,427	48,947,401	51,841,373	55,535,399
Net Position at End of Year	\$ 48,947,401	\$ 51,841,373	\$ 55,535,399	\$ 53,528,137

Camrosa Water District Changes in Net Position Last Ten Fiscal Years

<u>2016</u>	<u> 2017</u>	Last Ten F 2018	2019	<u>2020</u>	<u>2021</u>
					
\$ 12,059,982	\$ 13,084,503	\$ 16,235,441	\$ 14,128,079	\$ 16,549,944	\$ 19,280,494
3,233,519	3,267,395	3,314,305	3,336,794	3,575,963	3,855,204
2,338,102	2,488,157	2,557,753	2,615,301	2,312,427	2,346,434
157,472	159,719	324,256	249,548	109,305	123,013
17,789,075	18,999,774	22,431,755	20,329,722	22,547,639	25,605,145
7,147,319	6,500,815	7,890,983	7,828,911	9,532,192	11,373,806
1,335,096	1,240,947	1,426,842	1,257,242	1,273,725	1,538,207
2,553,178	3,392,976	3,740,012	3,877,591	4,308,257	4,154,305
1,154,828	1,313,596	1,377,908	1,232,165	1,828,640	1,169,594
1,864,428	1,827,780	2,462,144	2,259,095	2,154,855	2,534,301
- 2 254 424	- 2 601 409	- 2 694 405	- 2 042 512	- 0.026.252	2 047 261
2,354,424	2,601,408	2,684,495	2,842,512	2,836,353	3,047,261
16,409,273	16,877,522	19,582,384	19,297,516	21,934,022	23,817,474
1,379,802	2,122,252	2,849,371	1,032,206	613,617	1,787,671
559,558	582,211	657,620	620,590	661,932	700,753
105,523	186,302	393,147	777,593	655,911	141,596
27,581	2,194	-	-	118,781	
	11,260	10,146			
692,662	781,967	1,060,913	1,398,183	1,436,624	842,349
			57.045		0.070
-	-	-	57,615	-	8,273
-	227,159	2,065	- 57	-	116,488
475,167	486,119	561,227	497,004	456,937	438,618
475,167	713,278	563,292	554,676	456,937	563,379
470,107	110,210	000,202	004,010	400,007	000,070
1,597,298	2,190,941	3,346,992	1,875,713	1,593,304	2,066,641
2,107,391	1,842,037	255,935	5,689,517	991,422	1,384,103
633,159	93,091	67,519	290,622	326,415	777
2,740,550	1,935,128	323,454	5,980,139	1,317,837	1,384,880
4,337,848	4,126,069	3,670,446	7,855,852	2,911,141	3,451,521
4,007,040	4,120,000	3,070,440	1,000,002	2,311,141	0,401,021
				-	
4,337,848	4,126,069	3,670,446	7,855,852	2,911,141	3,451,521
1,007,040	1,120,000	5,010,440	. ,000,002	2,011,171	5, 10 1,02 1
53,528,137	57,824,701	61,950,770	65,621,216	73,477,068	76,388,209
_					
\$ 57,865,985	\$ 61,950,770	\$ 65,621,216	\$ 73,477,068	\$ 76,388,209	\$ 79,839,730

Revenues and Capital Contributions by Source Last Ten Fiscal Years

	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Operating Revenue										
Water Revenue \$	10,925,574	\$ 12,263,213 \$	13,563,401	\$ 12,870,854	\$ 12,059,982	\$ 13,084,503	\$ 16,235,441	14,128,079	\$ 16,549,944	19,280,494
Sewer Revenue	2,860,876	2,886,205	3,121,845	3,189,312	3,233,519	3,267,395	3,314,305	3,336,794	3,575,963	3,855,204
Meter Revenue	1,622,818	1,642,204	2,146,078	2,289,890	2,338,102	2,488,157	2,557,753	2,615,301	2,312,427	2,346,434
Other	113,114	77,870	123,790	90,392	157,472	159,719	324,256	249,548	107,061	123,013
Non-Operating Revenue										
Property Taxes	499,273	498,948	509,066	544,911	559,558	582,211	657,620	620,590	661,932	700,753
Interest Income	61,341	87,209	86,291	87,466	105,523	186,302	393,147	777,593	655,911	141,596
Unrealized Gain/Loss on Investm∈	-	-	-	-	27,581	2,194	-	-	118,781	(116,488)
Capital Contributions	280,792	51,400	1,201,427	116,963	2,107,391	1,842,037	255,935	5,689,517	991,422	1,384,103
Capital Grant Income	-	1,460,211	839,789	76,298	633,159	93,091	67,519	290,622	326,415	777
Total Revenue \$	16,363,788	\$ 18,967,260 \$	21,591,687	\$ 19,266,086	\$ 21,222,287	\$ 21,705,609	\$ 23,805,976	27,708,044	25,299,856	27,715,886

Table 3 – Revenues and Capital Contributions by Source

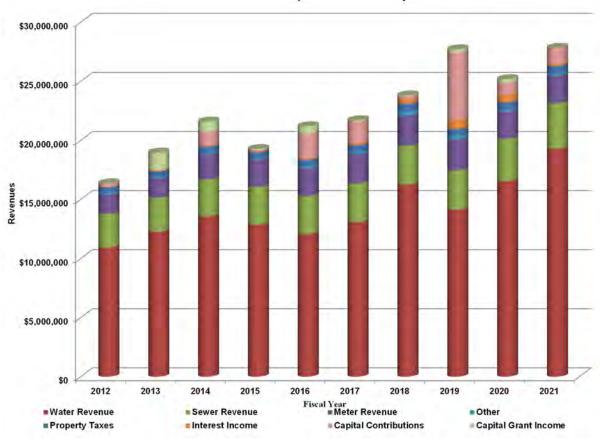


Figure 9 – Historical Revenues and Capital Contributions

Connection Fees & Other Contributions

				Last	Те	n Fiscal Ye	ars					
	2012	<u>2013</u>	<u>2014</u>	<u>2015</u>		<u> 2016</u>		<u>2017</u>	<u>2018</u>	<u> 2019</u>	2020	<u>2021</u>
Connection Fees	\$ 121,438	\$ 51,400	\$ -	\$ 82,113	\$	2,104,091	\$	1,484,132	\$ 158,549 \$	5,666,117	\$ 9,825	\$ 1,380,503
CSUCI Recycle Line	56,521	59,709	63,077	66,635		70,394		74,365	78,559	82,991	87,672	30,308
In-Kind Contributions	159,354	-	1,201,427	34,850		3,300		357,905	97,386	23,400	981,597	3,600
Grant	-	1,460,211	839,789	76,298		633,159		93,091	67,519	290,622	326,415	777
Totals	\$ 337,313	\$ 1,571,320	\$ 2,104,293	\$ 259,896	\$	2,810,944	\$	2,009,492	\$ 402,013 \$	6,063,130	\$ 1,405,509	\$ 1,415,188

Table 4 – Connection Fees & Other Contributions

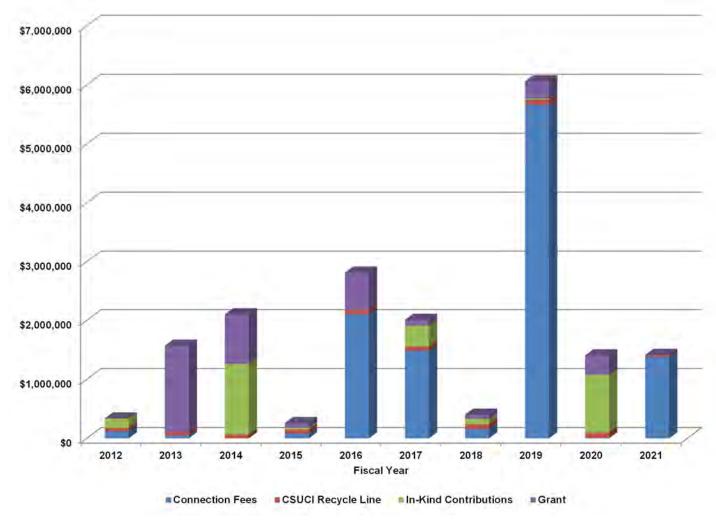


Figure 10 – Historical Connection Fees & Other Contributions

Operating Expenses Last Ten Fiscal Years

Water Purchases
Utilities
Salaries & Benefits
Contract/Prof. Svcs
Supplies & Services
Total Operating Expenses
Non-Operating Expenses
Interest Expense
Loss on Disposal of Capital Assets
Debt Issuance Costs
Loss on Capital Asset
Total Non-Op Expenses
Depreciation & Amortization
Debt Service
Total Expenses

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
\$ 7,039,814	\$ 8,058,511	\$ 9,008,654	\$ 8,305,257	\$ 7,147,319	\$ 6,500,815	\$ 7,890,983	\$ 7,828,911	\$ 9,532,192	\$ 11 ,373, 806
1,019,844	1,066,593	1,393,717	1,477,011	1,335,096	1,240,947	1,426,842	1,257,242	1,273,725	1,538,207
2,646,411	2,462,314	2,619,886	2,709,587	2,553,178	3,392,976	3,740,012	3,877,591	4,308,257	4,154,305
1,058,357	946,930	821,497	1,015,370	1,154,828	1,313,596	1,377,908	1,232,165	1,828,640	1,669,594
848,344	847,752	1,064,287	1,502,354	1,864,428	1,827,780	2,462,144	2,259,095	2,154,855	2,034,301
12,612,770	13,382,100	14,908,041	15,009,579	14,054,849	14,276,114	16,897,889	16,455,004	19,097,669	20,770,213
573,241	567,140	542,633	515,489	475,167	486,119	561,227	497,004	456,937	438,618
14	423	246	-	-	-	-	-	-	8,273
		-	-	-	227,159	-	-	-	-
	-	-	110,092	-	-	-	57,615	-	-
573,255	567,563	542,879	625,581	475,167	713,278	561,227	554,619	456,937	446,891
2,091,789	2,123,625	2,133,668	2,179,599	2,354,424	2,601,408	2,684,495	2,842,512	2,836,353	3,047,261
500,000	1,245,000	1,225,000	1,265,000	1,317,500	1,465,000	1,525,000	1,590,000	1,650,000	605,000
\$ 15,777,814	\$ 17,318,288	\$ 18,809,588	\$ 19,079,759	\$ 18,201,940	\$ 19,055,800	\$ 21,668,611	\$ 21,442,135	\$ 24,040,959	\$ 24,869,365

Table 5 – Historical Operating Expenses

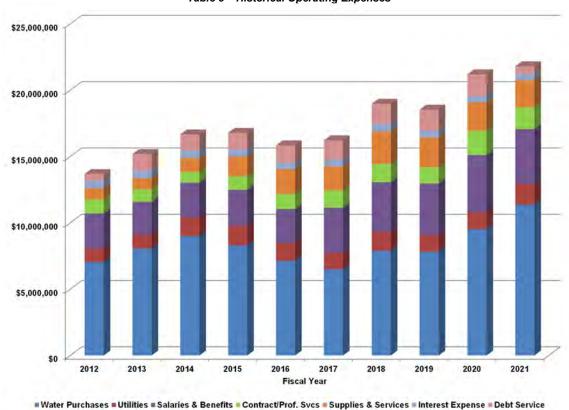


Figure 11 – Historical Operating Expenses

Revenue Capacity

Import Water Rates Last Ten Years

	<u> 2012</u>	<u>2013</u>	<u>2014</u>	<u> 2015</u>	<u> 2016</u>	<u> 2017</u>	<u>2018</u>	<u> 2019</u>	<u> 2020</u>	<u> 2021</u>
MWD	\$794	\$847	\$890	\$923	\$942	\$979	\$1,015	1,050	1,078	\$1,104
Calleguas	\$262	\$272	\$283	\$287	\$315	\$321	\$360	373	394	\$403
\$ A/F	\$1.056	\$1.119	\$1.173	\$1.210	\$1.257	\$1.300	\$1.375	\$1.423	\$1,472	\$1.507

Table 6 – Historical Imported Water Rates

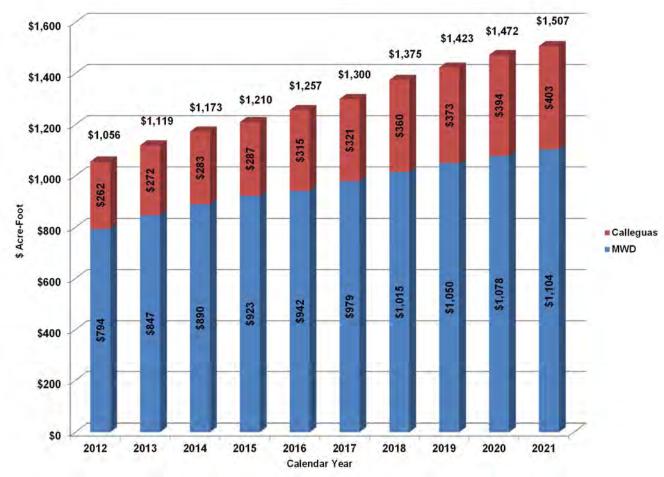


Figure 12 – Historical Imported Water Rates

Historical Water Commodity Rates

	January	February	July							
Potable Water	2011	2013	2013	2014	2015	2016	2017	2019	2020	2021
Residential/Master Meter/Domestic Agricultural										
First 12 Units	\$2.26	\$2.37	\$2.46	\$2.66	\$2.80	\$2.94	\$3.08	\$3.28	\$3.47	\$3.61
Residential/Master Meter/Domestic Agricultural										
13 Units and Higher	\$2.63	\$2.69	\$2.69	\$2.90	\$3.05	\$3.19	\$3.34	\$3.65	\$3.82	\$4.01
Commercial/Industrial/Public	\$2.63	\$2.69	\$2.69	\$2.90	\$3.05	\$3.19	\$3.34	\$3.65	\$3.82	\$4.01
Municipal Irrigation/Residential Irrigation	\$2.63	\$2.69	\$2.69	\$2.90	\$3.05	\$3.19	\$3.34	\$3.65	\$3.82	\$4.01
Fire Service/Other	\$2.63	\$2.90	\$2.69	\$2.90	\$3.05	\$3.19	\$3.34	\$3.65	\$3.82	\$4.01
Agricultural Irrigation										
Tier 1	\$2.63	\$2.69	\$2.69	\$2.90	\$3.05	\$3.19	\$3.34	\$3.65	\$3.82	\$4.01
Tier 2	\$2.95	\$3.29	\$3.28	\$3.54	\$3.72	\$3.89	\$4.07	n/a	n/a	n/a
Temporary Construction/Temporary Agricultural	\$2.63	\$2.69	\$2.69	\$2.90	\$3.05	\$3.19	\$3.34	\$4.91	\$5.29	\$5.61
Temporary Municipal	\$3.21	\$3.28	\$3.28	\$3.54	\$3.72	\$3.90	\$4.08	\$4.91	\$5.29	\$5.61
Emergency Water Service	\$3.97	\$4.06	\$4.06	\$4.37	\$4.60	\$4.82	\$5.05	\$4.91	\$5.29	\$5.61
Commercial/Industrial/Public Out of Bounds	\$2.75	\$2.81	\$3.32	\$3.58	\$3.76	\$3.94	\$4.13	\$4.91	\$5.29	\$5.61
Residential Out of Bounds First 12 Units	\$2.75	\$2.81	\$2.81	\$3.03	\$3.19	\$3.34	\$3.50	\$4.91	\$5.29	\$5.61
Residential Out of Bounds 13 Units and Higher	\$3.24	\$3.32	\$3.32	\$3.58	\$3.76	\$3.94	\$4.13	n/a	n/a	n/a
Non-Potable Commercial Agricultural	\$0.70	\$0.70	\$0.89	\$1.08	\$1.26	\$1.45	\$1.64	\$1.92	\$2.08	\$2.08
Non-Potable Landscape Irrigation Water	\$0.70	\$0.70	\$0.89	\$1.08	\$1.26	\$1.45	\$1.64	\$1.92	\$2.08	\$2.08
Non-Potable Residential Landscape	\$0.70	\$0.70	\$0.89	\$1.08	\$1.26	\$1.45	\$1.64	\$1.92	\$2.08	\$2.08
Non-Potable Temporary Construction	\$0.70	\$0.70	\$0.89	\$1.08	\$1.26	\$1.45	\$1.64	\$1.92	\$2.08	\$2.08
Non-Potable Commercial Agricultural (contractal)	\$0.46	\$0.46	\$0.50	\$0.54	\$0.59	\$0.60	\$0.61	\$0.61	\$0.61	\$0.61
Blended Non-Potable Agricultural										
Tier 1	\$1.76	\$1.92	\$2.03	\$2.24	\$2.46	\$2.67	\$2.88	\$2.46	\$2.70	\$2.70
Tier 2	\$1.98	\$2.17	\$2.29	\$2.53	\$2.78	\$3.02	\$3.25	n/a	n/a	n/a
Recycled Commercial Agricultural	\$0.37	\$0.37	\$0.89	\$1.08	\$1.26	\$1.45	\$1.64	\$1.92	\$2.08	\$2.08
Recycled Landscape Irrigation	\$0.55	\$0.55	\$0.89	\$1.08	\$1.26	\$1.45	\$1.64	\$1.92	\$2.08	\$2.08
Recycled Commercial Agricultural (contractual)	\$0.37	\$0.37	\$0.37	\$0.38	\$0.38	\$0.39	\$0.40	\$0.40	\$0.40	\$0.40
Recycled Surplus Water (Served Outside District)	\$0.49	\$0.49	\$0.89	\$1.08	\$1.26	\$1.45	\$1.64	\$1.92	\$2.08	\$2.08

Table 7 – Historical Water Commodity Rates

Camrosa Water District Historical Water Meter Service Charge

Potable/Blended				r Service				
Agricultural/Domestic	July	July	July	July	July	July	July	July
Agricultural	2013	2014	2015	2016	2017	2019	2020	2021
3/4" (MM)	\$5.55	\$5.90	\$6.11	\$6.32	\$6.55	\$6.21	\$6.19	\$6.21
3/4"	\$11.56	\$12.29		\$13.17	\$13.64	\$12.79	\$12.77	\$13.26
1"	\$19.26	\$20.48	\$21.20	\$21.95	\$22.72	\$21.41	\$21.40	\$22.63
1.5"	\$38.54	\$40.98	\$42.42	\$43.91	\$45.46	\$42.94	\$42.93	\$46.02
2"	\$61.66	\$65.57	\$67.87	\$70.25	\$72.73	\$68.89	\$68.89	\$74.22
3"	\$134.87	\$143.41	\$148.44	\$153.66	\$159.09	\$151.09	\$151.12	\$163.54
4"	\$231.21	\$245.86	\$254.48	\$263.43	\$272.73	\$259.02	\$259.09	\$280.82
6"	\$346.82	\$368.79	\$381.72	\$395.15	\$409.10	\$388.69	\$388.81	\$421.73
8"	\$578.03	\$614.65	\$636.19	\$358.58	\$681.83	\$647.90	\$648.11	\$703.38
Non-Potable Irrigation								
3/4" (MM)	\$5.55	\$5.90	\$6.11	\$6.32	\$6.55	\$4.89	\$4.88	\$4.88
3/4"	\$11.56	\$12.29		\$13.17	\$13.64	\$7.51	\$7.52	\$7.52
1"	\$19.26	\$20.48	\$21.20	\$21.95	\$22.72	\$10.28	\$10.32	\$10.32
1.5"	\$38.54		\$42.42	\$43.91	\$45.46	\$17.19	\$17.30	\$17.30
2"	\$61.66	\$65.57	\$67.87	\$70.25	\$72.73	\$25.52	\$25.72	\$25.72
3"		\$143.41		\$153.66		\$51.90	\$52.40	
4"			\$254.48			\$86.54	\$87.43	
6"		\$368.79		\$395.15	\$409.10	\$128.16		\$129.51
8"		\$614.65		\$358.58	\$681.83	\$211.35	\$213.63	\$213.63
Fire Service								
1"	\$43.61	\$46.38	\$48.00	\$49.69	\$51.45	\$51.03	\$51.65	\$61.96
1.5"	\$43.61	\$46.38	\$48.00	\$49.69	\$51.45	\$51.03	\$51.65	\$61.96
2"	\$43.61	\$46.38	\$48.00	\$49.69	\$51.45	\$51.03	\$51.65	\$61.96
3"	\$43.61	\$46.38	\$48.00	\$49.69	\$51.45	\$51.03	\$51.65	\$61.96
4"	\$43.61	\$46.38	\$48.00	\$49.69	\$51.45	\$51.03	\$51.65	\$61.96
6"	\$87.20	\$92.73	\$95.98	\$99.35	\$102.86	\$77.09	\$78.03	\$93.61
8"		\$166.92		\$178.85	\$185.17	\$129.17	\$130.74	\$156.84
10"	\$261.68	\$278.26	\$288.01	\$298.15	\$308.67	\$343.45	\$347.63	\$417.02

Table 8 – Historical Water Meter Service Charge

July	July	July	July	July	July	July	July
2011	2013	2014	2015	2016	2019	2020	2021
	\$29.51						

Table 9 – Historical Sewer Rates

Historical Billed Wastewater Connections Last Ten Fiscal Years

Fiscal Year	Number of Connections	Percentage Increase
2012	8,752	0.62%
2013	8,810	0.66%
2014	8,857	0.53%
2015	8,858	0.01%
2016	8,811	-0.53%
2017	8,768	-0.49%
2018	8,843	0.86%
2019	8,926	0.94%
2020	8,929	0.03%
2021	9,039	1.23%

Table 10 - Historical Billed Wastewater Connections

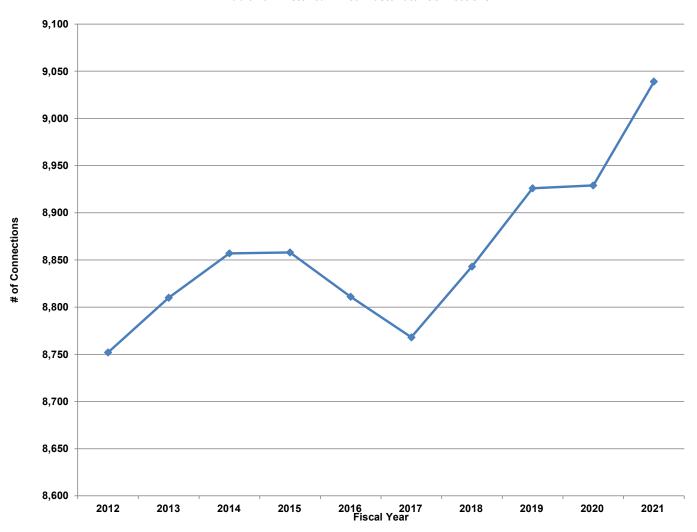


Figure 13 – Historical Billed Wastewater Connections

Historical Billed Water Connections Last Ten Fiscal Years

<u>Fiscal</u>	Single Family	Multi-Family	Commercial/				
<u>Year</u>	Residential	Residential	Industrial/Public	<u>Irrigation</u>	Agricultural	<u>Other</u>	<u>Total</u>
2012	7,387	3	217	496	125	112	8,340
2013	7,309	3	219	495	128	114	8,268
2014	7,288	3	217	493	128	112	8,241
2015	7,343	3	219	498	122	115	8,300
2016	7,304	3	204	504	123	115	8,253
2017	7,276	3	224	518	115	118	8,254
2018	7,326	3	228	529	133	117	8,336
2019	7,398	3	221	532	132	139	8,425
2020	7,431	3	225	533	133	144	8,469
2021	7,528	3	222	531	134	142	8,560

Table 11 - Historical Billed Water Connections

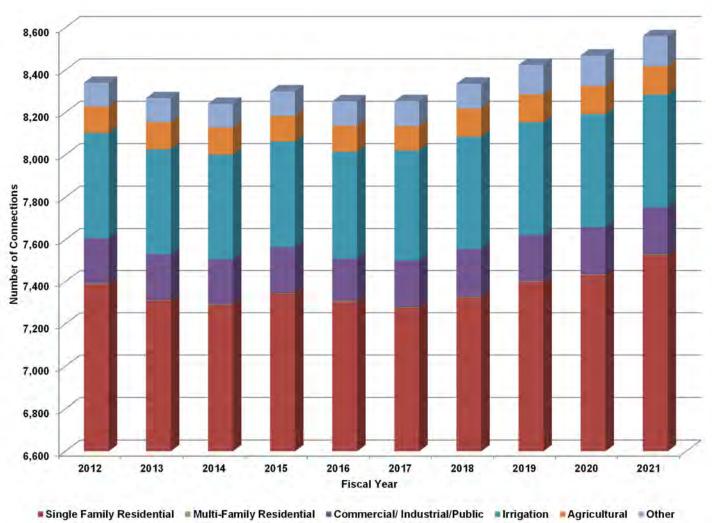


Figure 14 – Historical Billed Water Connections

Ten Largest Water Cutsomers - Current Year and Nine Years Ago Fiscal Year 2021

					<u>Annual</u>	% of Water
	<u>Customer</u>	Customer Type	Acre-Feet	<u> </u>	<u>Revenues</u>	<u>Sales</u>
1	Leisure Village	Residential	1084	\$	1,314,151	6.06%
2	Reiter Brother Inc	Agricultural	1344		1,223,500	5.65%
3	Mahan Ranch Golf Club LLC.	Commercial	302		508,321	2.35%
4	A Hartman Ranch, Inc	Agricultural	446		405,494	1.87%
5	Calif. State University Cl	Public	324		389,058	1.80%
6	Camlam Farms Inc.	Agricultural	885		282,303	1.30%
7	City of Camarillo	Irrigation	105		206,738	0.95%
8	Pleasant Valley Park & Rec	Irrigation	118		204,228	0.94%
9	Marz Farms, Inc	Agricultural	95		178,325	0.82%
10	A.B.P.	Agricultural	<u>119</u>		145,053	0.67%
	Total Ten Largest Customers All Other Customers		4,822 9,213		4,857,172 16,811,048	22.42% 77.58%
	Total Water Revenue for District		14,035	\$	21,668,220	100.00%

Fiscal Year 2012

		i iocai i cai i	-01-		
					% of Water
	<u>Customer</u>	Customer Type	Acre-Feet	Annual Revenues	<u>Sales</u>
1	Leisure Village	Residential	794	\$641,387	5.11%
2	Reiter Brother Inc	Agricultural	854	\$534,301	4.26%
3	Tierra Rejada Golf Course	Commercial	297	\$344,125	2.74%
4	Boskovich Farms	Agricultural	1,046	\$348,181	2.77%
5	CSUCI	Government	405	\$306,472	2.44%
6	Hartman Ranch, Inc	Agricultural	437	\$136,232	1.09%
7	Pleasant Valley Park & Recreation	Public	107	\$129,965	1.04%
8	3H Cust Farming/Hansen	Agricultural	709	\$129,708	1.03%
9	Brucker Farms	Agricultural	571	\$121,140	0.97%
10	Lemon Acres Pluss LLC	Agricultural	126	<u>\$106,485</u>	0.85%
	Total Ten Largest Customers		5,346	\$2,797,995	22.30%
	All Other Customers		8,853	9,750,397	<u>77.70%</u>
	Total Water Revenue for District		14,198	\$12,548,392	100.00%

Table 12 – Ten Largest Water Customers

Ten Largest Wastewater Cutsomers - Current Year and Nine Years Ago

	Fiscal Year 2021			
Customer	<u>EDUs</u>	<u>Annı</u>	<u>ıal Revenue</u>	<u>Wastewater</u>
1 Leisure Village	2,162	\$	929,359	24%
2 CSUCI	778		334,509	9%
3 Rancho Adolfo Mobile Home Estates	255		109,639	3%
4 Corte Madera/Avalonbay Comm. Inc	161		69,224	2%
5 Essex Camino Inc.	161		69,224	2%
6 Adolfo Camarillo High School	59		25,368	1%
7 Emeritus at Camarillo	56		24,212	1%
8 Camino Ruiz LLC	47		20,208	1%
9 Marriott Brighton Gardens	42		18,108	0%
10 Pleasant Valley School	38_		16,338	0%
Total Ten Largest Wastewater Customers	3,759	\$	1,616,188	42%
All Other Customers	<u>5,280</u>		2,239,070	58%
Total Wastewater Revenue for District	9,039	\$	3,855,258	100%

Fiscal Year 2012 **EDUs** Annual Revenue Customer Wastewater 1 Leisure Village 2,149 \$ 705,302 25% 2 CSUCI 745 244,509 9% 3 Rancho Adolfo Mobile Home Estates 255 83,691 3% 4 Corte Madera/Avalonbay Comm. Inc 161 2% 52,840 5 Essex Camino Inc. 161 52,840 2% 6 Adolfo Camarillo High School 59 19,364 1% 7 Emeritus at Camarillo 56 18,379 1% 8 Camino Ruiz LLC 47 15,425 1% 42 0% 9 Marriott Brighton Gardens 13,784 10 Pleasant Valley School 38 0% 12,472 **Total Ten Largest Wastewater Customers** 3,713 \$ 1,218,606 43% 1,642,270 All Other Customers 5,039 57% 8,752 2,860,876 100% **Total Wastewater Revenue for District**

Table 13 – Ten Largest Wastewater Customers





BUILDING WATER SELF-RELIANCE

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Water Deliveries By Class - Acre-Feet Last Ten Fiscal Years

Potable Water	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Residential	5,663	5,988	6,388	5,449	4,610	5,139	5,486	4,854	5,052	5,658
Commercial/Industrial	594	672	677	584	539	545	562	500	502	562
Institutional and Governmental	390	432	408	352	336	332	368	286	257	259
Landscape	698	795	887	745	567	665	783	650	675	858
Agriculture	550	694	488	396	401	360	374	333	371	486
Other (Misc)	<u>12</u>	<u>20</u>	<u>36</u>	<u>38</u>	<u>15</u>	<u>21</u>	<u>30</u>	<u>34</u>	<u>43</u>	<u>24</u>
Total Potable Water	7,907	8,601	8,884	7,564	6,468	7,062	7,603	6,657	6,900	7,847
Non-Potable Water										
Landscape	1,182	1,359	1,505	1,327	1,233	1,328	1,418	1,207	1,255	1,476
Agriculture	4,166	4,953	5,340	4,630	3,962	5,093	5,772	4,463	4,469	4,231
Recycled Water	<u>945</u>	1,104	1,249	1,323	1,204	1,104	958	850	564	481
Total Non-Potable Water	6,293	7,416	8,094	7,280	6,399	7,525	8,148	6,520	6,288	6,188
Total Acre-Feet Deliveries	14,200	16,017	16,978	14,844	12,867	14,587	15,751	13,177	13,188	14,035

Table 14 – Water Deliveries by Class

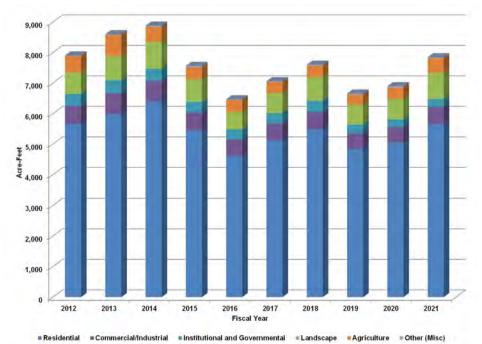


Figure 15 – Historical Potable Water Deliveries

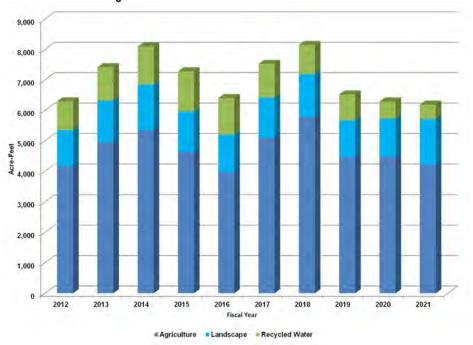


Figure 16 – Historical Non-Potable Water Deliveries

Assessed Valuations

	Secured	<u>Unsecured</u>		
	<u>Assessed</u>	Assessed		
Fiscal Year	<u>Valuation</u>	Valuation	<u>Total</u>	% Change
2012	4,539,279,662	216,151,708	4,755,431,370	-1.42%
2013	4,567,072,569	209,920,926	4,776,993,495	0.45%
2014	4,678,271,589	139,077,637	4,817,349,226	0.84%
2015	4,907,112,472	128,877,820	5,035,990,292	4.54%
2016	5,145,103,092	115,142,342	5,260,245,434	4.45%
2017	5,330,477,983	121,837,738	5,452,315,721	3.65%
2018	5,583,931,181	165,603,337	5,749,534,518	5.45%
2019	5,821,051,039	168,334,118	5,989,385,157	4.17%
2020	6,061,204,136	190,366,546	6,251,570,682	4.38%
2021	6,322,329,671	195,452,356	6,517,782,027	4.26%

Secured Tax Charges and Delinquencies

	<u>Secured</u> Assessed	<u>Amount</u> Delinquent	% Delinquent
Fiscal Year	<u>Charge</u>	June 30	June 30
2012	482,308	\$11,761	2%
2013	484,896	\$6,987	1.44%
2014	489,840	\$5,749	1.17%
2015	512,858	\$4,255	0.83%
2016	540,450	\$7,397	1.37%
2017	567,163	\$4,543	0.80%
2018	591,316	\$4,466	0.76%
2019	614,392	\$11,173	1.82%
2020	640,500	\$20,848	3.25%
2021	667,814	\$5,022	0.75%

Table 15 – Historical Assessed Valuations

Debt Capacity

				<u>2012 </u>		<u>2016 </u>			
		<u>2011A</u>		Refunding		Refunding	<u>Total</u>		
<u>Fiscal</u>		Bond	<u>2012</u>	Bond		Bond	Outstanding		
<u>Year</u>	<u>2011A</u>	<u>Premium</u>	Refunding	<u>Premium</u>	<u>2016A</u>	<u>Premium</u>	<u>Debt</u>	Pe	r Capita
2012	9,630,000	289,259	7,575,000	694,152	-	-	18,188,410	\$	273.89
2013	9,275,000	273,658	6,685,000	602,131	-	-	16,835,789	\$	253.44
2014	8,910,000	258,057	5,825,000	510,111	-	-	15,503,168	\$	232.25
2015	8,535,000	242,456	4,935,000	418,091	-	-	14,130,547	\$	210.42
2016	8,150,000	226,854	4,030,000	326,071	-	-	12,732,925	\$	182.10
2017	-	-	3,085,000	234,051	13,520,000	1,546,815	18,385,866	\$	264.08
2018	-	-	2,100,000	142,031	12,980,000	1,492,627	16,714,658	\$	243.15
2019	-	-	1,070,000	50,011	12,420,000	1,438,439	14,978,450	\$	214.35
2020	-	-	-	-	11,840,000	1,384,252	13,224,252	\$	188.22
2021	-	-	-	-	11,235,000	1,330,064	12,565,064	\$	174.76

Table 16 – Total Outstanding Debt

Outstanding Debt

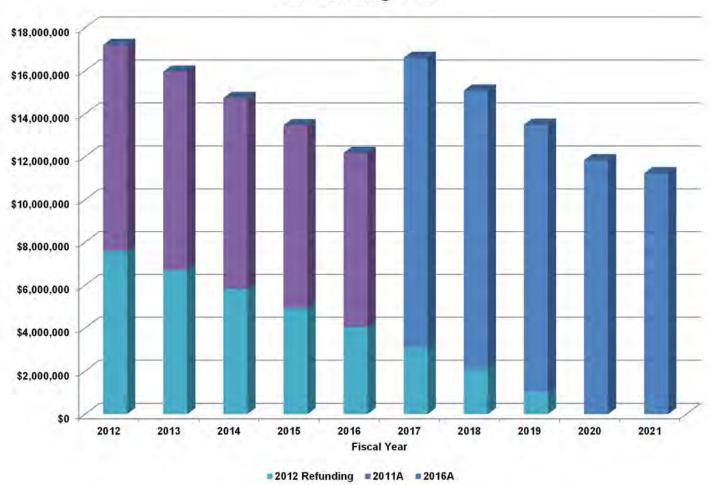


Figure 17 – Outstanding Debt

Camrosa Water District Water Debt Coverage

		Operating &					<u>Coverage</u>
Fiscal Year	Revenues	Maint. Costs	Net Revenues	<u>Principal</u>	<u>Interest</u>	<u>Total</u>	<u>Ratio</u>
2012	13,033,994	10,696,641	2,337,353	303,500	406,810	710,310	3.29
2013	14,318,654	11,606,550	2,712,104	795,000	442,000	1,237,000	2.19
2014	16,362,572	13,206,095	3,156,477	785,000	423,600	1,208,600	2.61
2015	15,858,152	13,150,593	2,707,559	810,000	404,975	1,214,975	2.23
2016	16,651,844	12,294,192	4,357,652	847,500	380,325	1,227,825	3.55
2017	17,864,464	11,983,683	5,880,781	980,000	412,969	1,392,969	4.22
2018	20,041,849	14,368,286	5,673,563	1,040,000	493,881	1,533,881	3.70
2019	22,369,158	14,004,394	8,364,764	1,082,500	454,381	1,536,881	5.44
2020	20,110,052	16,339,981	3,770,071	1,105,000	407,831	1,512,831	2.49
2021	23,953,171	18,040,020	5,913,151	470,000	373,081	843,081	7.01

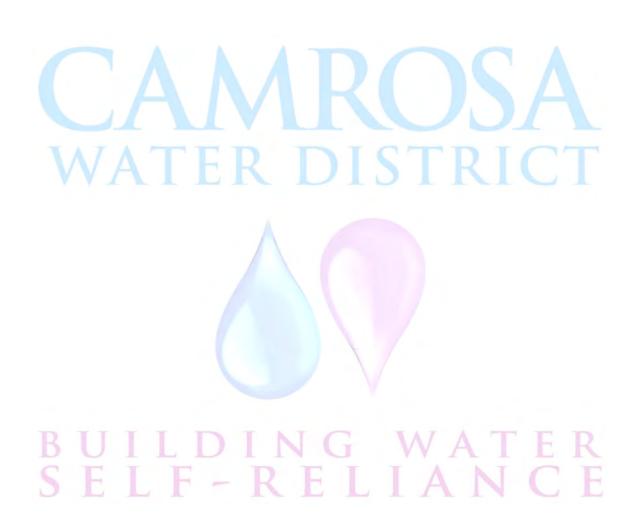
Table 17 – Historical Water Debt Coverage

Camrosa Water District

Wastewater Debt Coverage

		Operating &					Coverage
Fiscal Year	<u>Revenues</u>	Maint. Costs	Net Revenues	<u>Principal</u>	<u>Interest</u>	<u>Total</u>	<u>Ratio</u>
2012	3,170,439	1,919,638	1,250,801	196,500	201,559	398,059	3.14
2013	3,188,395	1,779,060	1,409,335	450,000	205,800	655,800	2.15
2014	3,187,900	1,705,455	1,482,445	440,000	195,900	635,900	2.33
2015	3,296,787	1,858,986	1,437,801	455,000	185,925	640,925	2.24
2016	3,905,306	1,760,668	2,144,638	470,000	172,175	642,175	3.34
2017	3,385,467	2,292,431	1,093,036	505,000	114,399	619,399	1.76
2018	3,581,230	2,501,042	1,080,188	517,500	115,850	633,350	1.71
2019	5,009,039	2,424,108	2,584,931	537,500	95,750	633,250	4.08
2020	3,759,479	2,750,890	1,008,589	545,000	72,150	617,150	1.63
2021	3,893,229	2,725,654	1,167,575	135,000	56,450	191,450	6.10

Table 18 – Historical Wastewater Debt Coverage



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Operational Information

Historical Water Demand/Sources Last Ten Fiscal Years (Acre-Feet)

	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Total Demand - Acre-Feet	14,200	16,017	16,978	14,845	12,867	14,587	15,751	13,177	13,188	14,035
Groundwater/Wells										
Tierra Rejada Basin	514	428	443	367	36	164	350	278	290	218
Santa Rosa Basin	1,908	2,822	2,981	1,997	1,462	2,123	2,995	1,416	655	251
Pleasant Valley Basin	809	183	295	761	972	777	902	827	819	1,485
Perched Aquifer	-	-	10	263	883	664	1	363	628	809
Groundwater/Wells	3,231	3,433	3,729	3,388	3,353	3,728	4,248	2,884	2,392	2,763
Imported Water										
Calleguas	5,594	5,910	6,196	4,978	4,125	3,612	3,979	4,194	5,188	6,012
Imported Water	5,594	5,910	6,196	4,978	4,125	3,612	3,979	4,194	5,188	6,012
Non-Potable/Recycled Water										
Conejo Creek	4,061	4,930	5,736	5,109	4,886	4,718	5,849	4,373	3,841	4,235
Santa Rosa Basin	1,009	1,109	883	722	586	542	513	728	1,060	823
Imported Water	695	701	837	997	1,412	975	1,459	695	828	785
Camrosa WRF (Recycled)	1,071	1,006	1,250	1,323	1,204	1,104	958	850	617	481
CamSan WWTP (Recycled)	-	-	-	-	-	-	-	-	781	1,454
Non-Potable/Recycled Water	6,836	7,746	8,706	8,151	8,088	7,339	8,780	6,645	7,127	7,778
Total Sources of Production	15,661	17,089	18,631	16,517	15,566	14,679	17,007	13,723	14,707	16,553

Table 19 – Historical Water Demand/Sources

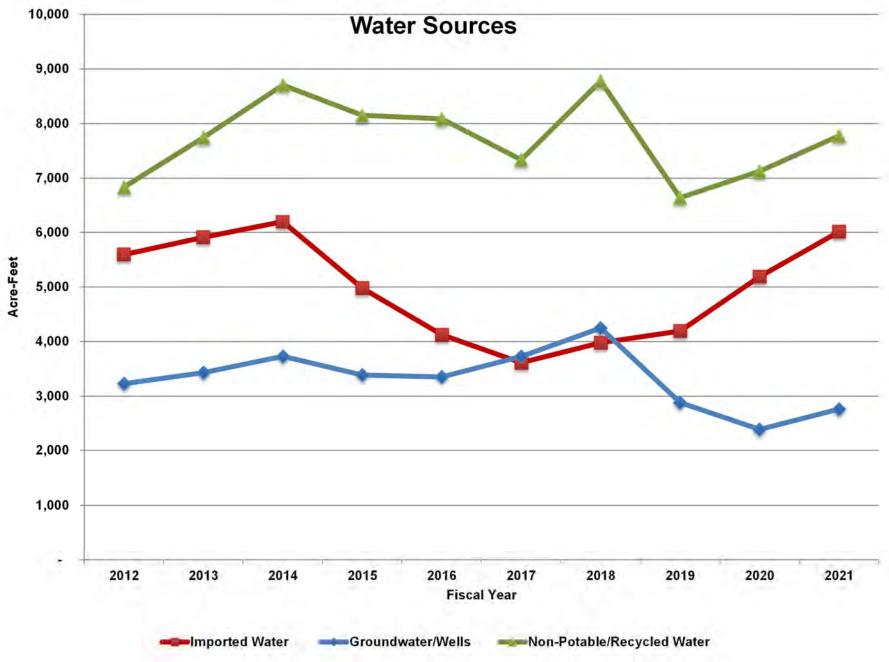


Figure 18 – Historical Water Demand by Source

Camrosa Water District Facilities Information

<u>_</u>		_		
Established	1962			
Water System				
Service Area 31 (Square miles)				
Mateu Facilities	FY 20-21	FY 20-21	FY 19-20	FY 19-20 Non-Potable
Water Facilities:	Potable	Non-Potable	Potable	
Miles of pipeline	171	37	171	37
Number of groundwater wells	8	3	8	3
Number of pumping stations	8	8	8	8
Number of meter stations	12		12	
Number of reservoirs	10	4	10	4
Number of treatment plants	1		1	
Number of fire hydrants	1098	43.00	1098	43.00
Average Daily Water Production, Acft	24.07	43.80	20.70	42.89
Average Daily Water Production, Acft Delivered to CWD		20.31		18.72
Average Daily Water Production, Acft Delivered to PVCWD		16.33		15.57
Maximum Daily Water Production, Acft	37.67	63.86	31.64	73.82
Maximum Daily Water Production, Acft Delivered to CWD		36.08		47.31
Maximum Daily Water Production, Acft Delivered to PVCWD		33.21		35.53
Minimum Daily Water Production, Acft	9.01	4.39	7.53	4.72
Minimum Daily Water Production, Acft Delivered to CWD		4.39		4.57
Minimum Daily Water Production, Acft Delivered to PVCWD		0.00		0.00
Wastewater Facilities:				
Tertiary-treated Title 22 water				
Sewer Lift Stations	6		5	
Primary treatment, MGD	2.25		2.25	
Average Daily Wastewater Flow, MGD	1.19		1.22	
Maximum Daily Wastewater Flow, MGD	1.33		1.90	
Minimum Daily Wastewater Flow, MGD	1.10		1.14	

Table 20 – District Facilities Information

Camrosa Water District Historical Capital Assets

Net Capital

				Assets (less			
Fiscal		Sanitation	Buildings &	Accumulated	Construction in	Construtcion	
Year	Water Plant	Plant	Equipment	Depreciation	Progress)	in Progress	
2012	50,240,680	28,208,866	2,364,852	(36,878,808)	43,935,590	2,806,680	
2013	50,859,678	28,305,869	2,485,603	(38,902,145)	42,749,005	4,773,887	
2014	52,739,159	28,412,029	2,507,268	(41,010,945)	42,647,511	10,601,204	
2015	53,155,862	28,411,372	2,579,360	(43,152,352)	40,994,242	11,306,033	
2016	63,438,656	29,108,335	2,830,255	(45,455,622)	49,921,624	2,544,641	
2017	64,799,973	29,782,538	3,053,596	(47,909,462)	49,726,646	3,359,879	
2018	66,919,253	30,767,634	3,253,617	(50,528,555)	50,411,949	1,894,279	
2019	68,052,438	30,767,634	3,524,259	(53,349,416)	48,994,915	3,488,177	
2020	71,344,790	31,049,483	4,266,850	(56,183,342)	50,477,782	4,184,008	
2021	72,732,084	31,111,310	4,084,534	(58,911,494)	49,016,434	6,367,110	

Table 21 – Historical Capital Assets
Historical Capital Assets

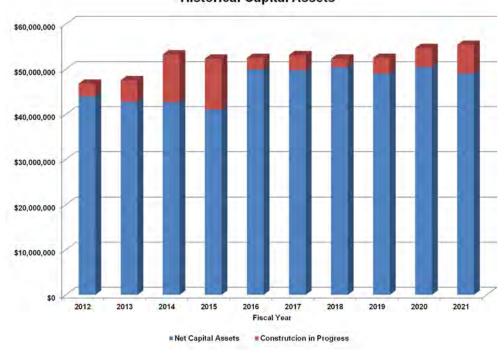
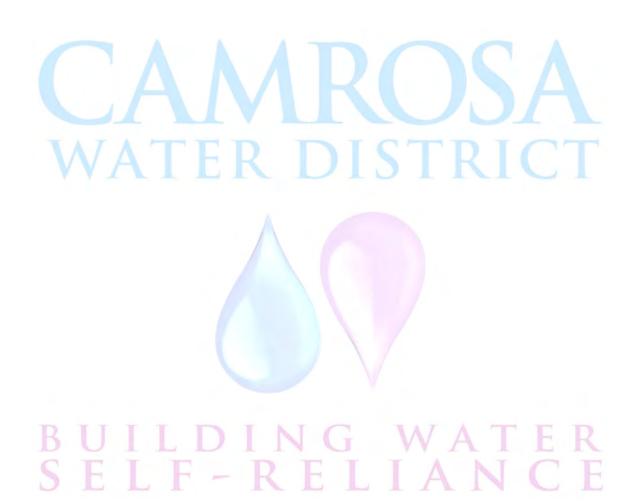


Figure 19 – Historical Capital Assets



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Demographic and Economic Information

Camrosa Water District

Demographic and Economic Statistics Last Ten Calendar Years

City of Camarillo (1)

	Unamployment		Personal	Per Capital
	Unemployment		Income	Personal
<u>Year</u>	Rate	Population	(in thousands)	Income
2012	6.6%	66,407	2,439,394	36,734
2013	5.6%	66,428	2,613,278	39,340
2014	4.4%	66,752	2,572,222	38,534
2015	4.4%	67,154	2,586,638	38,518
2016	5.8%	69,924	2,963,379	42,380
2017	4.5%	69,623	2,933,008	42,127
2018	3.6%	68,741	3,271,440	47,591
2019	4.3%	69,880	3,231,171	46,625
2020	4.1%	70,261	3,461,602	50,186
2021	5.8%	71,898	3,407,642	49,833

Source: City of Camarillo CAFR and UCSB Economic Forecast Project

Note (1) The District has chosen to use the City of Camarillo's data as a representative of the District.

Table 22 – Demographic and Economic Statistics

Population 10 Years

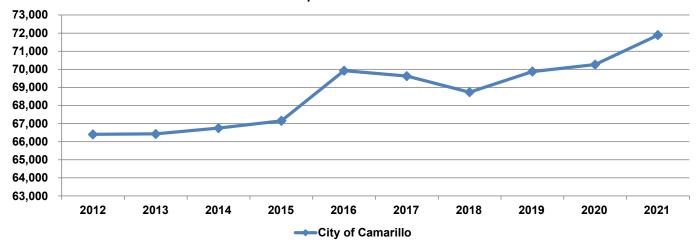
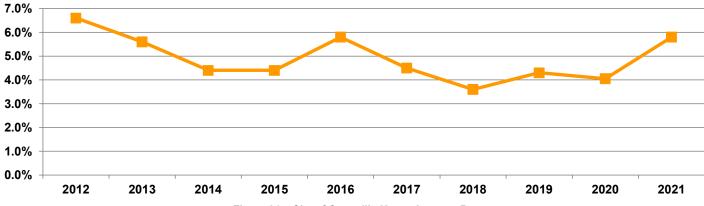


Figure 20 – City of Camarillo Population

City of Camarillo Unemployment Rate





Division 1
Jeffrey C. Brown
Division 2
Timothy H. Hoag
Division 3

Al E. Fox

Board of Directors

Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

October 14, 2021

To: Board of Directors

From: General Manager

Subject: Closed Session Conference with Legal Counsel – Personnel

Objective: Confer with and receive advice from counsel regarding personnel matters.

Action Required: No action necessary; for information only.

Discussion: Personnel matters may be discussed in closed session pursuant to Government Code section 54957.



Division 1
Jeffrey C. Brown
Division 2
Timothy H. Hoag
Division 3

Al E. Fox

Board of Directors

Eugene F. West Division 4 Terry L. Foreman

Division 5
General Manager
Tony L. Stafford

October 14, 2021

To: Board of Directors

From: General Manager

Subject: Salary Adjustment

Objective: Adjust employee's salary.

Action Required: Authorize the General Manager to increase Josh Smith's salary to \$40.00 per hour.

Discussion: Josh is the lead operator for the Round Mountain Treatment Plant. His skill set and knowledge have increased significantly. His salary, performance, and skill set were evaluated, and his current salary is well below what is warranted. The proposed pay increase does fall within the recently approved salary range for that position, and within the existing salary budget. Staff will brief the Board.

The Board may enter closed session for discussion of District personnel. The Board may not, however, based upon advice of the Board's legal counsel, discuss compensation, or take any action in closed session.



Eugene F. West Division 4 Terry L. Foreman Division 5

Division 2 Timothy H. Hoag Division 3

Board of Directors

AI E. Fox Division 1 Jeffrey C. Brown

General Manager Tony L. Stafford

October 14, 2021

To: **General Manager**

From: Sandra Llamas, Senior Accountant

Subject: Transfer of Funds to the Arroyo Santa Rosa GSA Bank Account

Objective: Transfer \$150,000.00 to the Arroyo Santa Rosa GSA bank account.

Action Required: Authorize the General Manager to make a transfer of the \$150,000.00 dedicated in the Camrosa Fiscal Year (FY) 2021-2022 budget to fund the activities and professional services associated with the operation of the Arroyo Santa Rosa Basin Ground Water Sustainability Agency (ASRGSA).

Discussion: On October 6, 2021, the ASRGSA approved agreements with INTERA and Bondy Groundwater Consulting, Inc. to complete the Arroyo Santa Rosa Basin Groundwater Sustainability Plan, in a combined amount of \$741,890.00. As of September 30, 2021, the ASRGSA bank account had a balance of \$46,361.24.

The ASRGSA is funded through contributions from Camrosa and the County of Ventura. The District's FY2021-22 budget includes a line item under professional services to fund the ARSGSA in the amount of \$150,000.00. Staff will come back to the Board with a proposed budget amendment to increase the amount dedicated to the Arroyo Santa Rosa GSA to cover the full cost of the approved agreements.

Staff recommends that the Board approve the use of the currently budgeted funds to fund the ARSGSA bank account to cover the initial anticipated expenses related to the approved agreements and other administrative expenses of the ARSGSA.



Board of Directors

Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag

Division 3
Eugene F. West
Division 4
Terry L. Foreman

Division 5

General Manager
Tony L. Stafford

October 14, 2021

To: Board of Directors

From: General Manager

Subject: Closed Session Conference with Legal Counsel – Pending Litigation

Objective: Confer with and receive advice from counsel regarding pending litigation.

Action Required: No action necessary; for information only.

Discussion: Pending litigation may be discussed in closed session pursuant to paragraph (1) of subdivision (d) of Government Code section 54956.9.



Read File

The following material is provided to members of the Board for information only and is not formally a part of the published agenda.

- A. Vendor Purchase History (1st Qtr.)
- B. Cash Balances (8/2021)
- C. 2021 Board Calendar

Directors France Vander				
Purchase From Vendor Pay To Vendor	Payable Number	Post Date	Item	Daymont
ACL01 - ACLARA TECHNOLOGIES	Fayable Nullibel	Fost Date	item	Payment
Paid To Same Vendor				
ACL01 - ACLARA TECHNOLOGIES	21103070	07/22/2021	MTUs	10617.75
ACQ01 - ACQUA CLEAR, INC.				
Paid To Same Vendor				
ACQ01 - ACQUA CLEAR, INC.	11635-73121	08/16/2021	Maintenance Fee for Lab RO System	4.68
ACQ01 - ACQUA CLEAR, INC.	11635-73121-R	08/16/2021	Maintenance Fee for Lab RO System	-4.68
ACW02 - ACWA JOINT POWERS INS				
Paid To Same Vendor				
ACW02 - ACWA JOINT POWERS INS	0008450	07/13/2021	Property Insurance	31723.76
ALE01 - ALEXANDER'S CONTRACT SERVICES, INC				
Paid To Same Vendor	100510	00/40/0004	M (B F	1107.71
ALEO1 - ALEXANDER'S CONTRACT SERVICES, INC	103542	08/16/2021	Meter Reading	1497.71
ALE01 - ALEXANDER'S CONTRACT SERVICES, INC ALL06 - ALLCABLE	103602	09/15/2021	Meter Reading Month August 2021	1484.61
Paid To Same Vendor				
ALL06 - ALLCABLE	4026680	08/06/2021	Repair Parts - Office Network	953.64
ALLO6 - ALLCABLE	4026955	09/13/2021	Repair Parts - Office	207.58
ALL11 - ALL PEST AND REPAIR, INC.	.02000	33, 13, 232 1	ropan rano omos	201.00
Paid To Same Vendor				
ALL11 - ALL PEST AND REPAIR, INC.	0024567	07/27/2021	Pest Control-VTA1-1900	600
ALL11 - ALL PEST AND REPAIR, INC.	0024595	07/27/2021	Pest Control-VTA1-7385	420
ALL11 - ALL PEST AND REPAIR, INC.	0024688	08/16/2021	Outside Contracts - Pest Control VTA-7385	420
ALL11 - ALL PEST AND REPAIR, INC.	0024659	08/17/2021	Outside Contracts- Pest Control -VTA1-1900	600
ALL11 - ALL PEST AND REPAIR, INC.	0024758	09/15/2021	Outside Contracts - Pest Control VTA-1900	600
ALL11 - ALL PEST AND REPAIR, INC.	0024788	09/15/2021	Outside Contracts - Pest Control VTA-7385	420
AME13 - AMERICAN PUBLIC WORKS CONSULTING ENGINEERS, LLC				
Paid To Same Vendor	2024 4	00/00/0004	DV/W-II No. 2 Designat Management Compiler	22500
AME13 - AMERICAN PUBLIC WORKS CONSULTING ENGINEERS, LLC	2021-1	09/28/2021	PV Well No. 2 Project Management Services	23560
APE01 - APEX GENERAL CONTRACTORS, INC. Paid To Same Vendor				
APE01 - APEX GENERAL CONTRACTORS, INC.	2139-Permit	09/28/2021	Lobby Remodel	1392.41
APE01 - APEX GENERAL CONTRACTORS, INC.	2139-01	09/29/2021	Lobby Remodel	35356.6
APE01 - APEX GENERAL CONTRACTORS, INC.	2139-1 Retention	09/29/2021	Retention Invoice Reference # 2139-1	-1767.83
ASC01 - ACWA/JPIA	2.00	35,25,252	reterment investe reservation in 2 700 T	
Paid To Same Vendor				
ASC01 - ACWA/JPIA	6-21 ME	07/01/2021	July premiums	3325.56
ASC01 - ACWA/JPIA	INV0010168	07/01/2021	Dental Insurance	312.16
ASC01 - ACWA/JPIA	INV0010169	07/01/2021	Medical-PPO	4062.12
ASC01 - ACWA/JPIA	INV0010170	07/01/2021	Vision	86.05
ASC01 - ACWA/JPIA	INV0010190	07/01/2021	Medical-HMO	19925.82
ASC01 - ACWA/JPIA	INV0010191	07/01/2021	Medical-PPO	3238.75
ASC01 - ACWA/JPIA	INV0010192	07/01/2021	Medical-PPO	11578.53
ASCO1 - ACWA/JPIA	INV0010200	07/01/2021 08/01/2021	Vision	395.83
ASC01 - ACWA/JPIA ASC01 - ACWA/JPIA	7-21 PR ME INV0010272	08/01/2021	Premium Adjustments-COBRA & Castaneda Dental Insurance	1010.92 2015.59
ASC01 - ACWA/JPIA	INV0010272 INV0010279	08/01/2021	Medical-HMO	22107.78
ASC01 - ACWA/JPIA	INV0010280	08/01/2021	Medical-PPO	3238.75
ASC01 - ACWA/JPIA	INV0010281	08/01/2021	Medical-PPO	11578.53
ASC01 - ACWA/JPIA	INV0010291	08/01/2021	Vision	413.04
ASC01 - ACWA/JPIA	INV0010296	08/01/2021	Dental Insurance	312.16
ASC01 - ACWA/JPIA	INV0010297	08/01/2021	Medical-PPO	4062.12
ASC01 - ACWA/JPIA	INV0010298	08/01/2021	Vision	86.05
ASC01 - ACWA/JPIA	INV0010440	09/01/2021	Dental Insurance	242.55
ASC01 - ACWA/JPIA	INV0010441	09/01/2021	Medical-PPO	2442.75
ASC01 - ACWA/JPIA	INV0010442	09/01/2021	Vision	68.84
ASC01 - ACWA/JPIA	INV0010453	09/01/2021	Dental Insurance	2061.45
ASCO1 - ACWA/JPIA	INV0010460	09/01/2021	Medical-HMO	20461.02
ASCO1 - ACWA/JPIA	INV0010461	09/01/2021	Medical-PPO	3238.75
ASC01 - ACWA/JPIA	INV0010462	09/01/2021	Medical-PPO	13724.2
ASC01 - ACWA/JPIA ASC01 - ACWA/JPIA	INV0010472 8-21 PR ME	09/01/2021 09/02/2021	Vision Premium Adjustments	413.04 3334.46
ASCUT - ACWA/JPIA AWW01 - AWWA	0-21 FR IVIE	09/02/2021	r remium Aujustments	JJJ4.40
Paid To Same Vendor				
AWW01 - AWWA	7001931479	07/13/2021	AWWA Membership	2373
			,	

BLA06 - BLACK MAGIC METAL ART INC.				
Paid To Same Vendor	404	00/00/004	D : D + D + E + M + O +	000
BLA06 - BLACK MAGIC METAL ART INC.	461	08/06/2021	Repair Parts - Production Meter Guards	980
BOS02 - BOSCO CONSTRUCTORS, INC. Paid To Same Vendor				
BOS02 - BOSCO CONSTRUCTORS, INC.	Payment 1	08/17/2021	Effluent Pond Construction Services	348400
BOS02 - BOSCO CONSTRUCTORS, INC.	Pymt1-Retention	08/17/2021	Retention Payment 1	-17420
BOU02 - BOUTWELL*FAY LLP	, ,			
Paid To Same Vendor				
BOU02 - BOUTWELL*FAY LLP	33736	08/25/2021	CalPERS Legal Services	149
BOU02 - BOUTWELL*FAY LLP	33900	08/30/2021	Profit Share Legal Services	1444
BOU02 - BOUTWELL*FAY LLP	34062	09/10/2021	Profit Share Legal Services	140
BRE02 - BRENNTAG PACIFIC, INC.				
Paid To Same Vendor	PP1400400	00/47/0004	MILLIA OLI II DANATTO	5400.40
BRE02 - BRENNTAG PACIFIC, INC.	BPI169468	08/17/2021	Materials & Supplies - Chemicals RMWTP	5199.49
BRT01 - B & R TOOL & SUPPLY CO. Paid To Same Vendor				
BRT01 - B & R TOOL & SUPPLY CO.	1900962989	08/31/2021	Materials & Supplies - PPE Gloves	570.21
CAL03 - CALLEGUAS MUNICIPAL WATER DISTRICT	1300302303	00/01/2021	Materials & Supplies - 11 E Gloves	570.21
Paid To Same Vendor				
CAL03 - CALLEGUAS MUNICIPAL WATER DISTRICT	074821	08/06/2021	Water Purchase	1074777
CAL03 - CALLEGUAS MUNICIPAL WATER DISTRICT	SMP072421	08/06/2021	SMP-CMWD - SMP Pipeline Fee	15585.4
CAL03 - CALLEGUAS MUNICIPAL WATER DISTRICT	080421	09/13/2021	Water Purchase	1054618
CAL03 - CALLEGUAS MUNICIPAL WATER DISTRICT	SMP081421	09/13/2021	SMP CMWD - SMP Pipeline Fee	15794.31
CAL04 - CALLEGUAS MUNICIPAL WATER DISTRICT				
Paid To Same Vendor	0000 0000004	00/00/0004	OMB ONING OMB O	000
CALO4 - CALLEGUAS MUNICIPAL WATER DISTRICT	2022-0000001	08/06/2021	SMP-CMWS - SMP Sampling Fee	330
CAL04 - CALLEGUAS MUNICIPAL WATER DISTRICT CAL20 - CALIFORNIA SURVEYING & DRAFTING SUPPLY INC	2022-00000003	09/13/2021	SMP CMWD - SMP Sampling Fee	1320
Paid To Same Vendor				
CAL20 - CALIFORNIA SURVEYING & DRAFTING SUPPLY INC	170437-1	08/31/2021	Satellite Service Subscription Trimble RTX	1200
CAN03 - Cannon Corporation				
Paid To Same Vendor				
CAN03 - Cannon Corporation	77036	07/22/2021	Reservoir 1B Communication Upgrades	2127
CAN03 - Cannon Corporation	77038	07/22/2021	Design Services Res 4C Tank	12837.35
CAN03 - Cannon Corporation	77838-2	07/22/2021	4C Hydropneumatic Pump Station Design	1407.25
CAN03 - Cannon Corporation	77262	08/16/2021	Design Services Res 4C Tank	1704
CANO3 - Cannon Corporation	77281	08/16/2021	Reservoir 1B Communication Upgrades	1820
CAN03 - Cannon Corporation CAN03 - Cannon Corporation	77327 77349	08/16/2021 08/16/2021	Design Generator and Fuel Tank Contract Inspection Services	192.25 747.47
CANO3 - Cannon Corporation	77349	08/17/2021	Contract Inspection Services Contract Inspection Services	4499.25
CAN03 - Cannon Corporation	77350	08/17/2021	Design Generator and Fuel Tank	47.5
CAN03 - Cannon Corporation	77352	08/17/2021	Contract Inspection Services	1235
CAN03 - Cannon Corporation	77351-1	08/18/2021	Contract Inspection Services	980
CAN03 - Cannon Corporation	77702	09/28/2021	Design Generator and Fuel Tank	993.75
CAN03 - Cannon Corporation	77710	09/28/2021	Design Services Res 4C Tank	5469.75
CAN03 - Cannon Corporation	77710-2	09/28/2021	4C Hydropneumatic Pump Station Design	18661.15
CAN03 - Cannon Corporation	77724	09/28/2021	Design Generator and Fuel Tank	196
CEN03 - Central Courier LLC				
Paid To Same Vendor	40272	07/42/2024	Country Comition	400.00
CEN03 - Central Courier LLC	48373	07/13/2021 08/17/2021	Courier Service Courier Service	409.09 409.09
CEN03 - Central Courier LLC CEN03 - Central Courier LLC	48508 48685	09/15/2021	Courier Service Courier Service	409.09
CITO1 - CITY OF CAMARILLO	40003	09/13/2021	Courier Service	403.03
Paid To Same Vendor				
CIT01 - CITY OF CAMARILLO	28797	09/14/2021	Raise Valve Boxes and MH Covers	38410
CLA04 - CLA-VAL COMPANY				
Paid To Same Vendor				
CLA04 - CLA-VAL COMPANY	826327	08/06/2021	Repair Parts Control Valves MS11	20864.56
CLE03 - CLEAN MANAGEMENT ENVIRONMENTAL GROUP, INC.				
Paid To Same Vendor	2022	00/00/0004		
CLE03 - CLEAN MANAGEMENT ENVIRONMENTAL GROUP, INC.	68037	09/29/2021	Hazardous Waste Pickup	2070.55
CLI01 - CLIFTON LARSON ALLEN LLP				
Paid To Same Vendor CLI01 - CLIFTON LARSON ALLEN LLP	2935374	07/13/2021	FY20-21 Audit Serv and Investment Agreed Upon Proc	7000
CLIOT - CLIFTON LARSON ALLEN LLP	2995276	09/10/2021	FY20-21 Addit Serv and Investment Agreed Upon Proc	13460
COL04 - COLONIAL SUPPLEMENTAL INS	200210	00/10/2021	25 217 date Soft and investment regions open 1100	10-100

Paid To Same Vendor				
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010265	07/15/2021	Colonial Benefits	101.42
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010203	07/15/2021	Colinial Benefits	29.3
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010200	07/15/2021	Colonial Benefits	41.4
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010267	07/15/2021	Colonial Benefits	107.1
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010446	08/26/2021	Colonial Benefits	101.42
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010447	08/26/2021	Colinial Benefits	29.3
COLO4 - COLONIAL SUPPLEMENTAL INS	INV0010448	08/26/2021	Colonial Benefits	41.4
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010449	08/26/2021	Colonial Benefits	107.1
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010553	09/23/2021	Colonial Benefits	101.42
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010554	09/23/2021	Colinial Benefits	29.3
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010555	09/23/2021	Colonial Benefits	41.4
COL04 - COLONIAL SUPPLEMENTAL INS	INV0010556	09/23/2021	Colonial Benefits	107.1
COR03 - CORELOGIC INFORMATION SOLUTIONS, INC	11440010330	09/23/2021	Colonial Benefits	107.1
Paid To Same Vendor				
COR03 - CORELOGIC INFORMATION SOLUTIONS, INC	30553874	08/18/2021	Ventura Cty Assessors Parcel Info	150
COR03 - CORELOGIC INFORMATION SOLUTIONS, INC	30559113	08/30/2021	Ventura County Assessors Parcel Info	150
CTO00 - CITY OF THOUSAND OAKS	30000110	00/30/2021	Ventura Odunty Assessors Faroer Into	100
Paid To Same Vendor				
CTO00 - CITY OF THOUSAND OAKS	17239	09/01/2021	Purchase of Conejo Creek Water	775760
CTO00 - CITY OF THOUSAND OAKS	17239-2	09/01/2021	Purchase of Conejo Creek Water	976900
CTO00 - CITY OF THOUSAND OAKS	17239-2 17239-R	09/01/2021	Purchase of Conejo Creek Water	-775760
			•	
CTO00 - CITY OF THOUSAND OAKS	701-90121	09/14/2021	Sewer Service Charges for Read Rd Tract	1078.2
CUL02 - HARRIS WATER COND. INC. Paid To Same Vendor				
	August 2021	08/06/2021	Water Coffener Denny Well	GG E
CUL02 - HARRIS WATER COND. INC.	August 2021	08/06/2021	Water Softener - Penny Well	66.5
CUL02 - HARRIS WATER COND. INC.	Sept 2021	09/13/2021	Water Softener Penny Well	71.5
DHS03 - ELAP-CDHS				
Paid To Same Vendor	EA DE 1001 0751	00/44/0004	FLADA LILI F. C. M. C. L. L. HOZEA	0500
DHS03 - ELAP-CDHS	EA-RE-1221-2751	09/14/2021	ELAP Accreditation Fees for Wastewater Lab #2751	3500
DHW01 - D&H WATER SYSTEMS, INC.				
Paid To Same Vendor				
DHW01 - D&H WATER SYSTEMS, INC.	12021-0880	08/17/2021	Materials & Supplies - Pump Hoses	876.35
DUD02 - DUDE SOLUTIONS, INC.				
Paid To Same Vendor				
DUD02 - DUDE SOLUTIONS, INC.	IN89692	08/31/2021	Workflow app (Dude Solutions) Annual Support Renew	13526.79
EDD01 - EMPLOYMENT DEVELOP. DEPT.				
Paid To Same Vendor				
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010248	07/01/2021	Payroll-SIT	3942.08
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010295	07/15/2021	Payroll-SIT	6050.01
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010347	07/23/2021	Payroll-SIT	38.69
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010371	07/29/2021	Payroll-SIT	4267.81
EDD01 - EMPLOYMENT DEVELOP. DEPT.	CM0000324	08/09/2021	Payroll-SIT	-0.83
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010404	08/12/2021	Payroll-SIT	4106.93
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010409	08/12/2021	Payroll-SIT	0.83
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010476	08/26/2021	Payroll-SIT	4386.82
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010509	09/09/2021	Payroll-SIT	5141.84
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010551	09/23/2021	Payroll-SIT	15.58
EDD01 - EMPLOYMENT DEVELOP. DEPT.	INV0010583	09/23/2021	Payroll-SIT	4757.83
FILIDA FILIADDICON & CONCINC			•	
EJH01 - E.J. HARRISON & SONS INC				
Paid To Same Vendor				
Paid To Same Vendor	5486	07/22/2021	Trash Removal - CWRF	479.41
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC	5486 785	07/22/2021 08/17/2021	Trash Removal - CWRF Trash Removal - CWRF	479.41 479.41
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC EJH01 - E.J. HARRISON & SONS INC	785	08/17/2021		479.41
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC EJH01 - E.J. HARRISON & SONS INC EJH01 - E.J. HARRISON & SONS INC	785 887.	08/17/2021 08/18/2021	Trash Removal - CWRF Trash Removal - Role Off Bins	479.41 367.27
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC	785	08/17/2021	Trash Removal - CWRF	479.41
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ESH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC	785 887.	08/17/2021 08/18/2021	Trash Removal - CWRF Trash Removal - Role Off Bins	479.41 367.27
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - ENHON - E	785 887. 1732	08/17/2021 08/18/2021 09/28/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF	479.41 367.27 479.41
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057	08/17/2021 08/18/2021 09/28/2021 07/13/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021	479.41 367.27 479.41
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057 69785	08/17/2021 08/18/2021 09/28/2021 07/13/2021 08/06/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021 Landscaping Repair	479.41 367.27 479.41 1937 225.5
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057 69785 69835	08/17/2021 08/18/2021 09/28/2021 07/13/2021 08/06/2021 08/06/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021 Landscaping Repair Landscaping	479.41 367.27 479.41 1937 225.5 1937
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057 69785 69835 70372	08/17/2021 08/18/2021 09/28/2021 07/13/2021 08/06/2021 08/06/2021 09/13/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021 Landscaping Repair Landscaping Landscaping Repair	479.41 367.27 479.41 1937 225.5 1937 85.75
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057 69785 69835 70372 70777	08/17/2021 08/18/2021 09/28/2021 07/13/2021 08/06/2021 08/06/2021 09/13/2021 09/13/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021 Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Repair	479.41 367.27 479.41 1937 225.5 1937 85.75 1937
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057 69785 69835 70372 70777 72111	08/17/2021 08/18/2021 09/28/2021 07/13/2021 08/06/2021 08/06/2021 09/13/2021 09/13/2021 09/13/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021 Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Landscaping Repair	479.41 367.27 479.41 1937 225.5 1937 85.75 1937 300
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057 69785 69835 70372 70777 72111	08/17/2021 08/18/2021 09/28/2021 07/13/2021 08/06/2021 08/06/2021 09/13/2021 09/13/2021 09/13/2021 09/13/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021 Landscaping Repair Landscaping Landscaping Repair Landscaping Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Office	479.41 367.27 479.41 1937 225.5 1937 85.75 1937 300 2971
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057 69785 69835 70372 70777 72111	08/17/2021 08/18/2021 09/28/2021 07/13/2021 08/06/2021 08/06/2021 09/13/2021 09/13/2021 09/13/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021 Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Landscaping Repair	479.41 367.27 479.41 1937 225.5 1937 85.75 1937 300
Paid To Same Vendor EJH01 - E.J. HARRISON & SONS INC ENH01 - Enhanced Landscape Management, LLC Paid To Same Vendor ENH01 - Enhanced Landscape Management, LLC	785 887. 1732 68057 69785 69835 70372 70777 72111	08/17/2021 08/18/2021 09/28/2021 07/13/2021 08/06/2021 08/06/2021 09/13/2021 09/13/2021 09/13/2021 09/13/2021	Trash Removal - CWRF Trash Removal - Role Off Bins Trash Removal - CWRF Landscaping for the Month of July 2021 Landscaping Repair Landscaping Landscaping Repair Landscaping Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Repair Landscaping Office	479.41 367.27 479.41 1937 225.5 1937 85.75 1937 300 2971

ENT01 - ENTERPRISE FLEET SERV INC	FBN4252587	07/22/2021	Vehicle Lease	7478.77
ENTO1 - ENTERPRISE FLEET SERV INC	FBN4274422	09/13/2021	Vehicle Lease	7478.77
ENT01 - ENTERPRISE FLEET SERV INC	FBN4295958	09/28/2021	Vehicle Lease	7478.77
ESR01 - ESRI-ENVIROMENTAL SYSTEMS RESEARCH INSTITUTE				
Paid To Same Vendor				
ESR01 - ESRI-ENVIROMENTAL SYSTEMS RESEARCH INSTITUTE	94071377	07/22/2021	ESRI Enterprise License Agreement	10000
ESR01 - ESRI-ENVIROMENTAL SYSTEMS RESEARCH INSTITUTE	94071793	07/22/2021	ArcGIS Online User Licenses	2000
FAM01 - FAMCON PIPE & SUPPLY, INC				
Paid To Same Vendor				
FAM01 - FAMCON PIPE & SUPPLY, INC	S100058182-001	07/14/2021	Leak Repair Plant Water	1025.31
FAM01 - FAMCON PIPE & SUPPLY, INC	S100058276-002	07/14/2021	Leak Repair Plant Water	160.88
FAM01 - FAMCON PIPE & SUPPLY, INC	S100058658-001	07/27/2021	Hit 4" Service 1055 Rancho Adolf Rd.	1836.12
FAM01 - FAMCON PIPE & SUPPLY, INC	S100054595-002	07/28/2021	Repair Parts - Sewer Cover Badge	241.31
FAM01 - FAMCON PIPE & SUPPLY, INC	S100059210-001	07/28/2021	Pothole & 12" Zone 1 pipe at Conejo Wells	7555.76
FAM01 - FAMCON PIPE & SUPPLY, INC	S100059211-001	07/28/2021	Pothole & 16" Raw water pipe at Conejo Wells	6307.37
FAM01 - FAMCON PIPE & SUPPLY, INC	S100059211-002	08/06/2021	Pothole & 16" Raw water pipe at Conejo Wells	337.84
FAM01 - FAMCON PIPE & SUPPLY, INC	S100059732-001	08/06/2021	Pothole & 16" Raw water pipe at Conejo Wells	1587.3
FAM01 - FAMCON PIPE & SUPPLY, INC	S100060132-003	08/23/2021	WO#14676515-Pipeline Repair-1283 Mission Verde Dr	500.18
FAM01 - FAMCON PIPE & SUPPLY, INC	\$100060523-001	08/25/2021	Angle Meter Stops	1576.58
FAMO1 - FAMCON PIPE & SUPPLY, INC	\$100060384-001	08/31/2021	Calleguas SMP Testing Pipe Modification	5633.84
FAMO1 - FAMCON PIPE & SUPPLY, INC	\$100060384-002	08/31/2021	Calleguas SMP Testing Pipe Modification	305.66
FAMO1 - FAMCON PIPE & SUPPLY, INC	S100061588-001	09/13/2021	Materials & Supplies - Valve Boxes	888.03
FAMO1 - FAMCON PIPE & SUPPLY, INC	\$100062423-001	09/13/2021	Materials & Supplies - AMS	965.25
FAMO1 - FAMCON PIPE & SUPPLY, INC	\$100061580-001 \$100063691-001	09/14/2021	CWRF Effluent Pipe Modification	3196.59
FAM01 - FAMCON PIPE & SUPPLY, INC FAM01 - FAMCON PIPE & SUPPLY, INC	\$100063691-001 \$100063692-001	09/28/2021 09/28/2021	Materials & Supplies -3/4" Ball Valves Meter Nut Materials & Supplies - 1" Ball Valves Meter Nut	713.21 840.84
,	\$100063692-001 \$100060567-001	09/29/2021	···	1907.98
FAM01 - FAMCON PIPE & SUPPLY, INC FEN01 - FENCE FACTORY, INC	3100000507-001	09/29/2021	Angle Meter Stops	1907.96
Paid To Same Vendor				
FEN01 - FENCE FACTORY, INC	660068	07/13/2021	Fence Rental - PV Well 2	106.26
FEN01 - FENCE FACTORY, INC	663405	08/06/2021	PV Well 2 Fence Rental	106.26
FER03 - FERGUSON WATERWORKS #1083	000100	00/00/2021	1 V Voii 2 I onoo Romai	100.20
Paid To Same Vendor				
FER03 - FERGUSON WATERWORKS #1083	0758771-1	07/13/2021	Fire Hydrants	24309.29
FER03 - FERGUSON WATERWORKS #1083	0765137	07/14/2021	Leak Repair Plant Water	1223.09
FER03 - FERGUSON WATERWORKS #1083	0766568	08/06/2021	1" Coated Copper Service Line	3965.46
FER03 - FERGUSON WATERWORKS #1083	0758771-2	08/23/2021	Fire Hydrants	6945.51
FER03 - FERGUSON WATERWORKS #1083	0770881	08/30/2021	Materials & Supplies - G3 Boxes	531.23
FRO01 - Frontier Communications				
Paid To Same Vendor				
FRO01 - Frontier Communications	July 2021	07/27/2021	VOIP- Land Lines	430.87
FRO01 - Frontier Communications	August 2021	08/31/2021	VOIP - Land Lines	429.81
FRO01 - Frontier Communications	September 2021	09/28/2021	VOIP - Land Lines.	443.37
FRU01 - FRUIT GROWERS LAB. INC.				
Paid To Same Vendor				
FRU01 - FRUIT GROWERS LAB. INC.	108561A	08/03/2021		54
FRU01 - FRUIT GROWERS LAB. INC.	108140A	08/06/2021	Outside Lab Work for Round Mountain	108
FRU01 - FRUIT GROWERS LAB. INC.	108232A	08/06/2021	Outside Lab Work for Round Mountain	108
FRU01 - FRUIT GROWERS LAB. INC.	108143A	08/18/2021	Outside Contract Lab Analysis	265
FRU01 - FRUIT GROWERS LAB. INC.	109426A	08/18/2021	Outside Lab Analysis	162
FRU01 - FRUIT GROWERS LAB. INC.	110212A	08/18/2021	RMWTP Metals	137
FRU01 - FRUIT GROWERS LAB. INC.	109951A	08/24/2021	Outside Lab Work	265
FRU01 - FRUIT GROWERS LAB. INC.	109959A	08/24/2021	Outside Lab Analysis	54
FRU01 - FRUIT GROWERS LAB. INC.	110677A	09/01/2021	Outside Lab Work for RMWTP	108
FRU01 - FRUIT GROWERS LAB. INC.	11385A	09/14/2021	Outside Lab Work for RMWTP	54
FRU01 - FRUIT GROWERS LAB. INC.	110872A	09/15/2021	Outside Laboratory Work	885
FRU01 - FRUIT GROWERS LAB. INC.	111984A	09/15/2021	Outside Lab Work	45
FRU01 - FRUIT GROWERS LAB. INC.	111897A	09/24/2021	Outside Lab Work	40
FRU01 - FRUIT GROWERS LAB. INC. FRU01 - FRUIT GROWERS LAB. INC.	112205A	09/24/2021	Outside Lab Work	108
	110676A	09/27/2021	Outside lab work for GW monitoring.	10910
FRU01 - FRUIT GROWERS LAB. INC. FRU01 - FRUIT GROWERS LAB. INC.	110983A 111895A	09/28/2021 09/28/2021	Annual Wastewater Plant Analysis Outside Lab Work for RMWTP	3710 54
GEI01 - GEIGER ENTERPRISES, INC.	I I I I I I I I I I I I I I I I I I I	03/20/2021	Outside Lab VVOIK IOI TIVIVVIP	54
GEIU1 - GEIGER ENTERPRISES, INC. Paid To Same Vendor				
GEI01 - GEIGER ENTERPRISES, INC.	21-1282	08/31/2021	Materials & Supplies - Fuel- Portable Generators	568.56
GEI01 - GEIGER ENTERPRISES, INC.	21-1262	09/13/2021	Materials & Supplies - Fuel Pond 1	379.41
GMS01 - GMS Landscaping Inc	21 1001	00/10/2021	materials a supplies i doi i situ i	070.71

Paid To Same Vendor				
GMS01 - GMS Landscaping Inc	V7547	09/01/2021	Tree and Site Maintenance	5500
HAC01 - HACH COMPANY	V1041	03/01/2021	The and one Maintenance	3300
Paid To Same Vendor				
HAC01 - HACH COMPANY	12528503	07/13/2021	Materials & Supplies - Reagents	49.5
HAC01 - HACH COMPANY	12531462	07/13/2021	Laboratory Supplies	367.66
HAC01 - HACH COMPANY	12548573	07/27/2021	Repair Part for the Splitter Box Composit Sampler	376.39
HAC01 - HACH COMPANY	12562398	07/27/2021	Materials & Supplies - Reagents	19.47
HAC01 - HACH COMPANY	12568381	08/04/2021	Door Handle Replacement Headoworks CWRF	272.42
HAC01 - HACH COMPANY	12566125	08/06/2021	Materials & Supplies - Reagents	773.76
HAC01 - HACH COMPANY	12568114	08/06/2021	Materials & Supplies - Reagents	131.47
HAC01 - HACH COMPANY	12593180	08/18/2021	Annual Hach Analyzer Maintenance	6617
HAC01 - HACH COMPANY	12593202	08/18/2021	Annual Hach Analyzer Maintenance. Sole source	7460
HAT01 - HATHAWAY, PERRETT, WEBSTER, POWERS & CHRISMAN				
Paid To Same Vendor				
HAT01 - HATHAWAY, PERRETT, WEBSTER, POWERS & CHRISMAN	113204	08/17/2021	Legal Services	2476.67
HAT01 - HATHAWAY, PERRETT, WEBSTER, POWERS & CHRISMAN	113633	08/17/2021	GSA Legal Services	91.73
HAT01 - HATHAWAY, PERRETT, WEBSTER, POWERS & CHRISMAN	113635	08/17/2021	Legal Services	2446.12
HAT01 - HATHAWAY, PERRETT, WEBSTER, POWERS & CHRISMAN	114314-GSA	09/10/2021	GSA Legal Services	1070.16
HAT01 - HATHAWAY, PERRETT, WEBSTER, POWERS & CHRISMAN	114319	09/10/2021	Legal Services	1620.54
HEA02 - HealthEquity			ŭ	
Paid To Same Vendor				
HEA02 - HealthEquity	INV0010237	07/01/2021	HSA-Employee Contribution	480.84
HEA02 - HealthEquity	INV0010238	07/01/2021	HSA Contributions	250
HEA02 - HealthEquity	INV0010275	07/15/2021	HSA-Employee Contribution	480.84
HEA02 - HealthEquity	INV0010276	07/15/2021	HSA Contributions	250
HEA02 - HealthEquity	INV0010358	07/13/2021	HSA-Employee Contribution	480.84
HEA02 - HealthEquity	INV0010338	07/29/2021	HSA Contributions	250
		08/12/2021		480.84
HEA02 - HealthEquity	INV0010391		HSA-Employee Contribution	
HEA02 - HealthEquity	INV0010392	08/12/2021	HSA Contributions	250
HEA02 - HealthEquity	INV0010456	08/26/2021	HSA-Employee Contribution	480.84
HEA02 - HealthEquity	INV0010457	08/26/2021	HSA Contributions	250
HEA02 - HealthEquity	INV0010496	09/09/2021	HSA-Employee Contribution	480.84
HEA02 - HealthEquity	INV0010497	09/09/2021	HSA Contributions	250
HEA02 - HealthEquity	INV0010563	09/23/2021	HSA-Employee Contribution	480.84
HEA02 - HealthEquity	INV0010564	09/23/2021	HSA Contributions	250
HER01 - HERC RENTALS INC.				
Paid To Same Vendor				
HER01 - HERC RENTALS INC.	32324511-001	09/15/2021	Pump Rental CWRF SMP	6435.13
HER02 - HERCULES INDUSTRIES, INC				
Paid To Same Vendor				
HER02 - HERCULES INDUSTRIES, INC	114827	08/17/2021	Material & Supplies - Locks	396.03
HER02 - HERCULES INDUSTRIES, INC	114884	08/23/2021	Material & Supplies - Locks	970.78
HOP02 - HOPKINS GROUNDWATER CONSULTING			* 11	
Paid To Same Vendor				
HOP02 - HOPKINS GROUNDWATER CONSULTING	11829	09/28/2021	Tierra Rejada Well Tasks 2, 3, & 4 only.	1400
IDE01 - IDEXX LABORATORIES, INC			······································	
Paid To Same Vendor				
IDE01 - IDEXX LABORATORIES, INC	3089960323	08/18/2021	Lab Supplies SMP Study	2258.06
IDE01 - IDEXX LABORATORIES, INC	3090523444	08/18/2021	Lab Supplies	1939.59
IDE01 - IDEXX LABORATORIES, INC	3090523445	08/18/2021	Lab Supplies Lab Supplies	297.26
·	3090323443	06/16/2021	Lab Supplies	297.20
INF00 - INFOSEND, INC.				
Paid To Same Vendor	404047	07/07/0004	Deinting 8 Mailing of July 2004 Otatages	4700.05
INF00 - INFOSEND, INC.	194847	07/27/2021	Printing & Mailing of July 2021 Statements	4790.05
INF00 - INFOSEND, INC.	196661	08/18/2021	Printing & Mailing of August 2021 Statements	4803.29
INF00 - INFOSEND, INC.	196976	09/14/2021	Address Change Service for Mailing Bills	15
INN01 - Innovyze, Inc				
Paid To Same Vendor				
INN01 - Innovyze, Inc	Q-91565	07/22/2021	Innovyze Infowater Renewal	3121
ITT02 - XYLEM WATER SOLUTIONS USA				
Paid To Same Vendor				
ITT02 - XYLEM WATER SOLUTIONS USA	3556B84895	08/18/2021	Diversion Pump Project	1959.46
ITT02 - XYLEM WATER SOLUTIONS USA	3556B86648	08/31/2021	Diversion Pump Project	64597.58
J&H01 - J&H Engineering			• •	
Paid To Same Vendor				
J&H01 - J&H Engineering	3745	08/06/2021	Leak Repair CWRF Plant Water 4"	11352.89
J&H01 - J&H Engineering	3752	08/06/2021	Install 12" pipe at Conejo Wells	12449.35
- on the same and	5.52	33/00/2021	12 p.ps at correjo trono	12440.00

J&H01 - J&H Engineering	3760	08/23/2021	Potholing at Conejo Wells for GAC	2293.94
J&H01 - J&H Engineering	3734	09/14/2021	Potholing at Conejo Wells for GAC	9537.38
J&H01 - J&H Engineering	3764	09/14/2021	Leak Repair 1 1/2" service manifold.	7498.7
JAN01 - Janitek Cleaning Solutions-Allstate Cleaning, Inc.				
Paid To Same Vendor				
JAN01 - Janitek Cleaning Solutions-Allstate Cleaning, Inc.	39189A	07/01/2021	Cleaning Service	1655.56
JAN01 - Janitek Cleaning Solutions-Allstate Cleaning, Inc.	39477A	07/01/2021	Cleaning Service	1655.56
JAN01 - Janitek Cleaning Solutions-Allstate Cleaning, Inc.	41597A	07/14/2021	Janitorial Services	1655.56
JAN01 - Janitek Cleaning Solutions-Allstate Cleaning, Inc.	41870A	08/06/2021	Cleaning Service	1655.56
JAN01 - Janitek Cleaning Solutions-Allstate Cleaning, Inc.	42154A	09/13/2021	Janitorial - Cleaning Service	1655.56
JEA01 - J.E. ARMSTRONG ARCHITECT, INC.				
Paid To Same Vendor				
JEA01 - J.E. ARMSTRONG ARCHITECT, INC.	4240	07/14/2021	ADA review	2500
JEA01 - J.E. ARMSTRONG ARCHITECT, INC.	4240	07/14/2021	Architect for Front Office Remodel	4725
LAF01 - LAFCO				
Paid To Same Vendor				
LAF01 - LAFCO	2021 Dues	07/22/2021	LAFCO	15297
LAS03 - LASER TONER & COMPUTER SUPPLY, INC				
Paid To Same Vendor				
LAS03 - LASER TONER & COMPUTER SUPPLY, INC	160166	07/27/2021	Fuser Kit for Front Office Printer	303.3
LIF01 - LIFTOFF, LLC				
Paid To Same Vendor				
LIF01 - LIFTOFF, LLC	5682ren2021	07/14/2021	.Maintenance Support - O365 G3 Subscription	8022
LNL01 - LINCOLN FINANCIAL GROUP				
Paid To Same Vendor				
LNL01 - LINCOLN FINANCIAL GROUP	INV0010234	07/01/2021	Deferred Compensation	1975
LNL01 - LINCOLN FINANCIAL GROUP	INV0010271	07/15/2021	Deferred Compensation	2395
LNL01 - LINCOLN FINANCIAL GROUP	INV0010355	07/29/2021	Deferred Compensation	1900
LNL01 - LINCOLN FINANCIAL GROUP	INV0010388	08/12/2021	Deferred Compensation	1900
LNL01 - LINCOLN FINANCIAL GROUP	INV0010452	08/26/2021	Deferred Compensation	1900
LNL01 - LINCOLN FINANCIAL GROUP	INV0010493	09/09/2021	Deferred Compensation	2212.28
LNL01 - LINCOLN FINANCIAL GROUP	INV0010559	09/23/2021	Deferred Compensation	1900
MCM01 - McMASTER-CARR SUPPLY CO				
Paid To Same Vendor				
MCM01 - McMASTER-CARR SUPPLY CO	61191015	07/14/2021	Repair Parts	169.31
MCM01 - McMASTER-CARR SUPPLY CO	61639420	07/22/2021	Repair Parts - VFD Fans	564.32
MCM01 - McMASTER-CARR SUPPLY CO	62515947	08/06/2021	Materials & Supplies - SS Branding	534.31
MCM01 - McMASTER-CARR SUPPLY CO	62651586	08/06/2021	Materials & Supplies - VFD T-Stats	417.92
MCM01 - McMASTER-CARR SUPPLY CO	62817575	08/17/2021	Repair Parts - VFD Cooling Fans	360.24
MCM01 - McMASTER-CARR SUPPLY CO	62890082	08/17/2021	Repair Parts - Sewer Lift 2	137.34
MCM01 - McMASTER-CARR SUPPLY CO	63116260	08/17/2021	Repair Parts - VFD Fans RMWTP	159.4
MCM01 - McMASTER-CARR SUPPLY CO	63982699	08/30/2021	Repair Parts - UPS Cooling Fans	507.6
MET01 - METTLER-TOLEDO, INC.				
Paid To Same Vendor				
MET01 - METTLER-TOLEDO, INC.	6544995642	09/24/2021	Laboratory Scale Maintenance	1003.23
MKN01 - MICHAEL K. NUNLEY & ASSOCIATES, INC.				
Paid To Same Vendor				
MKN01 - MICHAEL K. NUNLEY & ASSOCIATES, INC.	9259	07/14/2021	GAC Project Management	4647.36
MKN01 - MICHAEL K. NUNLEY & ASSOCIATES, INC.	9395	08/17/2021	GAC Project Management	5787.81
MKN01 - MICHAEL K. NUNLEY & ASSOCIATES, INC.	9507	09/15/2021	GAC Project Management	9926.63
MKN01 - MICHAEL K. NUNLEY & ASSOCIATES, INC.	9508	09/15/2021	GAC Project Management	681.87
MNS01 - MNS ENGINEERS, INC.				
Paid To Same Vendor				
MNS01 - MNS ENGINEERS, INC.	78048	07/22/2021	Out of Scope Work	12975
MNS01 - MNS ENGINEERS, INC.	78279	07/26/2021	Engineering Support services during construction	688.75
MNS01 - MNS ENGINEERS, INC.	78279	07/26/2021	Keyed in wrong PO amount	1000
MNS01 - MNS ENGINEERS, INC.	78280	07/26/2021	Out of Scope Work	15275
MNS01 - MNS ENGINEERS, INC.	78535	09/10/2021	Engineering Support services during construction	2342.5
MNS01 - MNS ENGINEERS, INC.	78536	09/10/2021	Out of Scope Work	3910
MUL01 - MULTI W. SYSTEMS, INC				
Paid To Same Vendor				
MUL01 - MULTI W. SYSTEMS, INC	32130826	07/22/2021	Sewer Lift Maintenance	13417.52
NBS01 - NBS GOVERNMENT FINANCE GROUP				
Paid To Same Vendor	00.400500	07/00/0004	D - 1 - 1 - 1 - 1 - 1 - 1 - 2 - 2 - 1 - 1	105-
NBS01 - NBS GOVERNMENT FINANCE GROUP	621000506	07/22/2021	Develop In Lieu Mitigation Fee Schedule	1020
NBS01 - NBS GOVERNMENT FINANCE GROUP	721000042	08/17/2021	Develop In Lieu Mitigation Fee Schedule	3060
NOH01 - NOHO CONSTRUCTORS				

Part					
MOIGH MOID DOESTRUCTIONS Pyrel Secretary CV2/2002 Pyrel Residency Py	Paid To Same Vendor				
MCHIFF NCHC COMSTRUCTORS	NOH01 - NOHO CONSTRUCTORS	Pymt 2	07/27/2021	Pump Station 2 - Generator Installation	85667.13
MOREH	NOH01 - NOHO CONSTRUCTORS	Pymt2-Retention	07/27/2021	Pymt2-Retention	-4283.36
NORTH-TRAN CHEMOLA	NOH01 - NOHO CONSTRUCTORS	Pymt 3	09/15/2021	CWRF - Diesel Fuel Tank Installation	30000
Past 7 of Series Version Past 7 of Series Ve	NOH01 - NOHO CONSTRUCTORS	Pymt-3 Retention	09/15/2021	Retention Payment 3	-1500
MOREFY - NORTHEISER CHEMICAL 1996-48 1996-59 199	NOR07 - NORTHSTAR CHEMICAL	•		,	
MORDY - NORTH-STAR CHEMICAL 19924 771-42021 Mantenes Chemicals RMVTP 1994 1994 19020 171-42021 Mantenes Chemicals CHEMICAL 19925 1	Paid To Same Vendor				
MORDY - NORTH-STAR CHEMICAL 19924 771-42021 Mantenes Chemicals RMVTP 1994 1994 19020 171-42021 Mantenes Chemicals CHEMICAL 19925 1	NOR07 - NORTHSTAR CHEMICAL	199543	07/14/2021	Materials Chemicals - CWRF	3311.21
MORDEY - NORTHESTAR C-REMINCAL 200975	NOR07 - NORTHSTAR CHEMICAL	199544	07/14/2021	Materials Chemicals RMWTP	1549.46
MORPT - NORTHESTAR CHEMICAL MORP					
MORDET - NORTHESTAR CHEMICAL					
MORDET - NORTHETAR CHEMICAL MORD					
MORPET - NORTHESTAR CHEMINCAL 200776 083170271 Materiats Chemicals HAWITP 1692.51 16				• •	
MORPOR - NORTHEFIAR CHEMICAL 2007/9					
NORDY - NORTHSTAT CHEMICAL 20075 0331/2021 Materials Chemicals - Windocker Med 1.65.5 1.65					
MORPOF - NORTHITSTAY CHEMICAL 20078 0831/221 Materials Chemicals - OWIPT 28.81 28.					
MOREP - MORTHSTAR CHEMICAL 203232 0811/2021 Materias Chemicals - CWFF 381.15 NOREP - MORTHSTAR CHEMICAL 204411 0801/2021 Materias Chemicals - CWFF 390.16 NOREP - MORTHSTAR CHEMICAL 20588 0801/2021 Materias Chemicals - CWFF 393.42 NOREP - MORTHSTAR CHEMICAL 20588 0828/2021 Materias Chemicals - CWFF 393.42 NOREP - MORTHSTAR CHEMICAL 20588 0828/2021 Materias Chemicals - CWFF 393.42 NOREP - MORTHSTAR CHEMICAL 20588 0828/2021 Materias Chemicals - CWFF 393.42 NOREP - MORTHSTAR CHEMICAL 20588 0828/2021 Materias Chemicals - CWFF 393.42 NOREP - MORTHSTAR CHEMICAL 20588 0828/2021 Materias Chemicals - CWFF 393.42 NOREP - MORTHSTAR CHEMICAL 20588 081/2021 Geotechnical support services during construction 205.00 NOREP - MORTHSTAR CHEMICAL 20588 081/2021 Geotechnical support services during construction 205.00 NOREP - MORTHSTAR CHEMICAL 20588 081/2021 Geotechnical support services during construction 205.00 NOREP - MORTHSTAR CHEMICAL 205.00 205.00 205.00 NOREP - MORTHSTAR CHEMICAL 205.00 2					
NOR97 - NORTHEFAR CHEMICAL 20413 0901/2021 Meternia Chemicials (ANDIP) 1986 56 NOR97 - NORTHEFAR CHEMICAL 204115 0901/2021 Meternia Chemicials (ANDIP) 1986 56 NOR97 - NORTHEFAR CHEMICAL 205008 091132021 Meternia Chemicials (ANDIP) 1986 56 NOR97 - NORTHEFAR CHEMICAL 205008 091132021 Meternia Chemicials - Woodreek 2477 35 1986 56 NOR97 - NORTHEFAR CHEMICAL 205008 091132021 Meternia Chemicials - Woodreek 2477 35 1986 56 NOR97 - NORTHEFAR CHEMICAL 205008 091132021 Meternia Chemicials - Woodreek 2479 43 1986 56 NOR97 - NORTHEFAR CHEMICAL 205008 2050888 205088 205088 205088 205088 205088 205088 20508					
MORIO* - NORTHETAR CHEMICAL 20419					
NORDY - NORTH/STAR CHEMICAL 255.088					
NORDY - NORTHISTAR CHEMICAL 25588					
NOR07 - NORTH-STAR CHEMICAL 205685 26282021 Materials Chemicals - FAMITP 1479 43					
OAK03 - OAKRIDGE GEOSCIENCE, INC.					
Paid To Same Verefor		205686	09/28/2021	Materiais Chemicais - RMWTP	1479.43
OAKG3 - OARRIDGE GEOSCIENCE, INC. OAKG4 - OAKG					
OAKG3 - OAKRIDGE GEOSCIENCE, INC. 047-008-01 0817/2021 Geotechnial support services during construction 7255,5 OCO1 - OCCU-MED, LTD. 80 (2012) 0818/2021 New Employee Physical Exam (Chris C) 211,25 OCO2 - OCCU-MED, LTD. 08217110a 0818/2021 New Employee Physical Exam (Chris C) 211,25 OCO2 - OCCU-MED, LTD. 08217110a 0815/2021 New Hire Medical Exam (Chris C) 211,25 OCO2 - OCCU-MED, LTD. 08217110a 0815/2021 New Hire Medical Exam (Chris C) 218,25 OCO2 - Occupational Health Centers of California, A Medical Corp 72458058 0901/2021 Hep Shots for Chris C 285 PAPD1 - PAPE MATERIAL, HANDLING, INC 34544 0806/2021 Vehicle Maintenance - Forklift 117,09 PER01 - PAPEL EMPLOYEES 1870 - Same Vendor 1872 1882 1870 - PAPEL Classis Employee Portion 387,28 PER01 - PUBLIC EMPLOYEES 1870 - Same Vendor 1872 1872 1872 1872 1872 1872 1872 1872 1872 1872 1872 1872 1872 1872 1872 1872					
OAK93 - OAK910GE GEOSCIENCE, INC. OCC01 - OCCU-MED, LTD. Paid To Same Vendor OCC01 - OCCU-MED, LTD. OCC02 - OCCU					
COCI - OCCL-MED. LTD	·				
Paid To Same Vendor	·	047-008-02	09/10/2021	Geotechnial support services during construction	13812.5
OCC01 - OCCU-MED, LTD. 08217110a 08718/2021 New Employee Physical Exam (Chris C) 211.25 OCC02 - Occupational Health Centers of California, A Medical Corp Paid To Same Vendor PAPP - PAPE MATERIAL HANDLING, INC PAPP - PAPP - PAPE MATERIAL HANDLING, INC PAPP - PAPP - PAPE MATERIAL HANDLING, INC PAPP - PAPP - PAPP MATERIAL HANDLING, INC PAPP -					
OCC01 - OCCU-MED, LTD. OSCU-MED, LTD.					
Cocca Cocupational Health Centers of California, A Medical Corp Paid To Same Vendor Cocca Cocupational Health Centers of California, A Medical Corp 72458058 09/01/2021 Hep Shots for Chris C 285	•	0821711oa	08/18/2021		
Paid To Same Vendor	OCC01 - OCCU-MED, LTD.	0921711oa	09/15/2021	New Hire Medical Exam	343.5
CCCC2 - Occupational Health Centers of California, A Medical Corp PaP01 - PAPE MATERIAL HANDLING, INC Paid To Same Vendor PAP01 - PAPE MATERIAL HANDLING, INC 6435474 88/06/2021 Vehicle Maintenance - Forklift 117.09 PEP01 - PAPE MATERIAL HANDLING, INC 6435474 88/06/2021 Vehicle Maintenance - Forklift 117.09 PEP01 - PAPE MATERIAL HANDLING, INC 6435474 88/06/2021 Vehicle Maintenance - Forklift 117.09 PEP01 - PUBLIC EMPLOYEES INVO010235 07/01/2021 PERS-Classic Employee Portion 337.28 PEP01 - PUBLIC EMPLOYEES INVO010236 07/01/2021 PERS-Classic Employee Portion 4742.28 PEP01 - PUBLIC EMPLOYEES INVO010236 07/01/2021 PERS-Classic Employee Portion 4742.28 PEP01 - PUBLIC EMPLOYEES INVO010236 07/01/2021 PERS-Classic Employee Portion 4742.28 PEP01 - PUBLIC EMPLOYEES INVO010240 07/01/2021 PERS Survivors 21.39 PEP01 - PUBLIC EMPLOYEES INVO010240 07/01/2021 PERS Survivors 21.39 PEP01 - PUBLIC EMPLOYEES INVO010242 07/01/2021 Employee-PERS New 787.24 PEP01 - PUBLIC EMPLOYEES INVO010242 07/01/2021 Employee-PERS New 787.24 PEP01 - PUBLIC EMPLOYEES AddIUALPY1-22 Classic O7/01/2021 Employee-PERS New 787.24 PEP01 - PUBLIC EMPLOYEES AddIUALPY1-22 Classic O7/01/2021 Employee-PERS New 787.24 PEP01 - PUBLIC EMPLOYEES AddIUALPY1-22 Classic O7/01/2021 Required UAL PERRA Employees Mard 137830 PEP01 - PUBLIC EMPLOYEES AddIUALPY1-22 Classic O7/01/2021 Required UAL PERRA Employees PEP01 - PUBLIC EMPLOYEES Rey-UALFY1-22 PERRA 07/14/2021 Required UAL PERRA Employees PEP1 - 22 823 PEP01 - PUBLIC EMPLOYEES NOVIDE NOVIDE PERS Classic Employee Perton 285.88 PEP01 - PUBLIC EMPLOYEES NOVIDE PERS Classic Employee Perton 285.88 PEP01 - PUBLIC EMPLOYEES NOVIDE PERS Classic Employee Perton 285.88 PEP01 - PUBLIC EMPLOYEES NOVIDE PERS Classic Employee PEP01 PERS Classic Employee PEP01 PERS Classic Employee PEP01 PERS Classic Employee PEP01 PERS Classic Employee PEP0	OCC02 - Occupational Health Centers of California, A Medical Corp				
PAPO1 - PAPE MATERIAL HANDLING, INC	Paid To Same Vendor				
Paid To Same Vendor	OCC02 - Occupational Health Centers of California, A Medical Corp	72458058	09/01/2021	Hep Shots for Chris C	285
PAPOL - PAPE MATERIAL HANDLING, INC PERS - 17-10-12 PERS - 1	PAP01 - PAPE MATERIAL HANDLING, INC				
PER01 - PUBLIC EMPLOYEES	Paid To Same Vendor				
Paid To Same Vendor	PAP01 - PAPE MATERIAL HANDLING, INC	6435474	08/06/2021	Vehicle Maintenance - Forklift	117.09
PER01 - PUBLIC EMPLOYEES INV0010235 O7/01/2021 PERS-Classic Employee Portion 387.28	PER01 - PUBLIC EMPLOYEES				
PEROI - PUBLIC EMPLOYEES INV0010236 07/01/2021 Californioa Public Employee Retirement 490.34 PEROI - PUBLIC EMPLOYEES INV0010239 07/01/2021 PERS-Classic Employee Portion 4742.28 PEROI - PUBLIC EMPLOYEES INV0010240 07/01/2021 PERS Survivors 21.39 PEROI - PUBLIC EMPLOYEES INV0010241 07/01/2021 Californioa Public Employee Retirement 628.03 PEROI - PUBLIC EMPLOYEES INV0010242 07/01/2021 Employee-PERS New 687.26 PEROI - PUBLIC EMPLOYEES INV0010243 07/01/2021 Employee-PERS New 687.26 PEROI - PUBLIC EMPLOYEES AddUALFY21-22 Classic 07/14/2021 Additional UAL FY91-22 Classic Employees Msrd 137830 PEROI - PUBLIC EMPLOYEES AddUALFY21-22 PERRA 07/14/2021 Additional UAL FY91-22 PERRA PEROI - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA 07/14/2021 Required UAL Classic Employees FY 21-22 1469 PEROI - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA 07/14/2021 Required UAL DERRA Employees FY 21-22 1469 PEROI - PUBLIC EMPLOYEES INV0010274 07/15/2021 PERS-Classic Employee Person 285.88 PEROI - PUBLIC EMPLOYEES INV0010274 07/15/2021 PERS-Classic Employee Person 285.87 PEROI - PUBLIC EMPLOYEES INV0010283 07/15/2021 PERS-Classic Employee Person 4765.08 PEROI - PUBLIC EMPLOYEES INV0010283 07/15/2021 PERS-Classic Employee Person 4765.08 PEROI - PUBLIC EMPLOYEES INV0010284 07/15/2021 PERS-Classic Employee Person 4765.08 PEROI - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS New 687.26 PEROI - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS New 687.26 PEROI - PUBLIC EMPLOYEES INV0010344 07/15/2021 Employee-PERS New 687.26 PEROI - PUBLIC EMPLOYEES INV0010344 07/15/2021 Employee-PERS New 687.26 PEROI - PUBLIC EMPLOYEES INV0010344 07/15/2021 Employee-PERS New 687.26 PEROI - PUBLIC EMPLOYEES INV0010344 07/15/2021 Employee-PERS New 687.26 PEROI - PUBLIC EMPLOYEES INV0010344 07/15/2021 Employee-PER	Paid To Same Vendor				
PERO1 - PUBLIC EMPLOYEES INV0010239 O7/01/2021 PERS-Classic Employee Portion 474.228 PERO1 - PUBLIC EMPLOYEES INV0010240 O7/01/2021 PERS Survivors 21.39 PERO1 - PUBLIC EMPLOYEES INV0010241 O7/01/2021 Employee Retirement 6286.33 PERO1 - PUBLIC EMPLOYEES INV0010242 O7/01/2021 Employee-PERS New 787.24 PERO1 - PUBLIC EMPLOYEES INV0010242 O7/01/2021 Employee-PERS New 687.26 PERO1 - PUBLIC EMPLOYEES Add/UALFY21-22 Classic O7/14/2021 Additional UAL Pymt FY21-22 Classic Employee Msrd 137830 PERO1 - PUBLIC EMPLOYEES Add/UALFY21-22 PERRA O7/14/2021 Additional UAL Pymt FY21-22 Classic Employee Msrd 137830 PERO1 - PUBLIC EMPLOYEES Add/UALFY21-22 PERRA O7/14/2021 Additional UAL Pymt FY21-22 PERRA Employee 854 PERO1 - PUBLIC EMPLOYEES Req-UALFY21-22 Classic O7/14/2021 Required UAL Pymt FY21-22 PERRA Employee 854 PERO1 - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA O7/14/2021 Required UAL Pymt FY21-22 Regulared	PER01 - PUBLIC EMPLOYEES	INV0010235	07/01/2021	PERS-Classic Employee Portion	387.28
PERO1 - PUBLIC EMPLOYEES INV0010240 O7/01/2021 PERS Survivors 21.39 PERO1 - PUBLIC EMPLOYEES INV0010241 O7/01/2021 Employee Retirement 22.86.33 PERO1 - PUBLIC EMPLOYEES INV0010242 O7/01/2021 Employee-PERS New 787.24 PERO1 - PUBLIC EMPLOYEES INV0010243 O7/01/2021 Employee-PERS New 787.24 PERO1 - PUBLIC EMPLOYEES AddUALFY21-22 Classic O7/14/2021 Additional UAL Pyrt FY21-22 Classic Employees Msrd 137830 PERO1 - PUBLIC EMPLOYEES AddUALFY21-22 PERRA O7/14/2021 Additional UAL Pyrt FY21-22 PERRA Employees Msrd 137830 PERO1 - PUBLIC EMPLOYEES AddUALFY21-22 PERRA O7/14/2021 Additional UAL Pyrt FY21-22 PERRA Employees Msrd 137830 PERO1 - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA O7/14/2021 Required UAL PERRA Employees FY 21-22 2823 PERO1 - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA O7/14/2021 Required UAL PERRA Employees FY 21-22 1469 PERO1 - PUBLIC EMPLOYEES INV0010273 O7/15/2021 PERS-Classic Employee Portion 285.88 PERO1 - PUBLIC EMPLOYEES INV0010274 O7/15/2021 PERS-Classic Employee Portion 285.88 PERO1 - PUBLIC EMPLOYEES INV0010283 O7/15/2021 PERS-Classic Employee Portion 4765.08 PERO1 - PUBLIC EMPLOYEES INV0010283 O7/15/2021 PERS-Classic Employee Retirement 582.77 PERO1 - PUBLIC EMPLOYEES INV0010283 O7/15/2021 PERS-Classic Employee Retirement 8293.69 PERO1 - PUBLIC EMPLOYEES INV0010285 O7/15/2021 Employee-PERS Classic 55.42 PERO1 - PUBLIC EMPLOYEES INV0010286 O7/15/2021 Employee-PERS Classic 55.42 PERO1 - PUBLIC EMPLOYEES INV0010286 O7/15/2021 Employee-PERS New O7/15/2021 PERO1 - PUBLIC EMPLOYEES INV0010286 O7/15/2021 Employee-PERS New O7/15/2021 PERO1 - PUBLIC EMPLOYEES INV0010286 O7/15/2021 Employee-PERS New O7/15/2021 PERO1 - PUBLIC EMPLOYEES INV0010386 O7/23/2021 Employee-PERS New O7/15/203 PERO1 - PUBLIC EMPLOYEES INV0010386 O7/23/2021 Employee-PERS New O7/15/203 PERO	PER01 - PUBLIC EMPLOYEES	INV0010236	07/01/2021	Californioa Public Employee Retirement	490.34
PER01 - PUBLIC EMPLOYEES INV0010241 O7/01/2021 Employee Retirement 828.6.33 PER01 - PUBLIC EMPLOYEES INV0010242 O7/01/2021 Employee-PERS New 787.24 PER01 - PUBLIC EMPLOYEES INV0010243 O7/01/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES Add UALFY21-22 Classic O7/14/2021 Additional UAL Pymt FY21-22 Classic Employees Msrd 137830 PER01 - PUBLIC EMPLOYEES Add UALFY21-22 PERRA O7/14/2021 Additional UAL Pymt FY21-22 PERRA Employees 854 PER01 - PUBLIC EMPLOYEES Reg-UALFY21-22 PERRA O7/14/2021 Required UAL Classic Employees FY 21-22 8238 PER01 - PUBLIC EMPLOYEES Reg-UALFY21-22 PERRA O7/14/2021 Required UAL PERRA Employees PER01 PUBLIC EMPLOYEES INV0010273 O7/15/2021 PERS-Classic Employee Portion 285.88 PER01 - PUBLIC EMPLOYEES INV0010273 O7/15/2021 PERS-Classic Employee Portion 285.88 PER01 - PUBLIC EMPLOYEES INV0010282 O7/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010284 O7/15/2021 PERS-Survivors 22.32 PER01 - PUBLIC EMPLOYEES INV0010284 O7/15/2021 PERS-Survivors 22.32 PER01 - PUBLIC EMPLOYEES INV0010286 O7/15/2021 Employee-PERS Classic 794.18 PER01 - PUBLIC EMPLOYEES INV0010286 O7/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0010287 O7/15/2021 Employee-PERS Classic 572.92 PER01 - PUBLIC EMPLOYEES INV0010286 O7/15/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES INV0010342 O7/23/2021 Employee-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 O7/23/2021 Employee-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 O7/23/2021 Employee-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 O7/23/2021 Employee-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 O7/23/2021 Employee-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010356 O7/29/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPL	PER01 - PUBLIC EMPLOYEES	INV0010239	07/01/2021	PERS-Classic Employee Portion	4742.28
PER01 - PUBLIC EMPLOYEES INV0010242 O7/01/2021 Employer-PERS New 687.26	PER01 - PUBLIC EMPLOYEES	INV0010240	07/01/2021	PERS Survivors	21.39
PER01 - PUBLIC EMPLOYEES INV0010243 07/01/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES AddUALFY21-22 Classic 07/14/2021 Additional UAL Pynt PY21-22 Classic Employees Msrd 137830 PER01 - PUBLIC EMPLOYEES AddUALFY21-22 PERRA 07/14/2021 Required UAL Classic Employees FY 21-22 854 PER01 - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA 07/14/2021 Required UAL Classic Employees FY 21-22 823 PER01 - PUBLIC EMPLOYEES INV0010273 07/15/2021 Required UAL PERRA Employees FY 21-22 823 PER01 - PUBLIC EMPLOYEES INV0010273 07/15/2021 PERS-Classic Employee Portion 285.88 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010283 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 PERS Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS Classic 794.18 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021	PER01 - PUBLIC EMPLOYEES	INV0010241	07/01/2021	Californioa Public Employee Retirement	8286.33
PER01 - PUBLIC EMPLOYEES INV0010243 07/01/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES AddUALFY21-22 Classic 07/14/2021 Additional UAL Pynt PY21-22 Classic Employees Msrd 137830 PER01 - PUBLIC EMPLOYEES AddUALFY21-22 PERRA 07/14/2021 Required UAL Classic Employees FY 21-22 854 PER01 - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA 07/14/2021 Required UAL Classic Employees FY 21-22 823 PER01 - PUBLIC EMPLOYEES INV0010273 07/15/2021 Required UAL PERRA Employees FY 21-22 823 PER01 - PUBLIC EMPLOYEES INV0010273 07/15/2021 PERS-Classic Employee Portion 285.88 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010283 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 PERS Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS Classic 794.18 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021	PER01 - PUBLIC EMPLOYEES	INV0010242	07/01/2021	Employer-PERS New	787.24
PER01 - PUBLIC EMPLOYEES AddUALFY21-22 Classic 07/14/2021 Additional UAL Pymt FY21-22 Classic Employees Msrd 137830 PER01 - PUBLIC EMPLOYEES AddUALFY21-22 PERRA 07/14/2021 Additional UAL Pymt FY21-22 Classic Employees Msrd 854 PER01 - PUBLIC EMPLOYEES Req-UALFY21-22 Classic 07/14/2021 Required UAL Classic Employees FY 21-22 8238 PER01 - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA 07/14/2021 Required UAL PERRA Employees FY 21-22 1469 PER01 - PUBLIC EMPLOYEES INV0010273 07/15/2021 Required UAL PERRA Employees FY 21-22 1469 PER01 - PUBLIC EMPLOYEES INV0010274 07/15/2021 Required UAL PERRA Employees FY 21-22 1469 PER01 - PUBLIC EMPLOYEES INV0010274 07/15/2021 Californica Public Employee Portion 285.88 PER01 - PUBLIC EMPLOYEES INV0010282 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 Employee-PERS Classic 794.18 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0					
PERO1 - PUBLIC EMPLOYEES AddUALFY21-22 PERRA 07/14/2021 Additional UAL FY21-22 PERRA Employees 854 PERO1 - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA 07/14/2021 Required UAL Classic Employee FY 21-22 8238 PERO1 - PUBLIC EMPLOYEES Req-UALFY21-22 PERRA 07/14/2021 Required UAL PERRA Employees FY 21-22 1469 PERO1 - PUBLIC EMPLOYEES INV0010273 07/15/2021 PERS-Classic Employee Portion 285.88 PERO1 - PUBLIC EMPLOYEES INV0010284 07/15/2021 California Public Employee Retirement 582.77 PER01 - PUBLIC EMPLOYEES INV0010282 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010282 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010283 07/15/2021 Employee-PERS Classic 4765.08 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS New 657.26 PER01 - PUBLIC EMPLOYEES INV0010384 07/12/3/2021 Employee-PERS		AddUALFY21-22 Classic	07/14/2021	Additional UAL Pymt FY21-22 Classic Employees Msrd	137830
PER01 - PUBLIC EMPLOYEES Req-UALFY21-22Classic 07/14/2021 Required UAL Classic Employees FY 21-22 8238 PER01 - PUBLIC EMPLOYEES Req-UALFY21-22PERRA 07/14/2021 Required UAL PERRA Employees FY 21-22 1469 PER01 - PUBLIC EMPLOYEES INV0010273 07/15/2021 PERS-Classic Employee Portion 285.88 PER01 - PUBLIC EMPLOYEES INV0010274 07/15/2021 Californioa Public Employee Retirement 582.77 PER01 - PUBLIC EMPLOYEES INV0010282 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010283 07/15/2021 PERS Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010283 07/15/2021 PERS Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 PERS Classic Cancer 794.18 PER01 - PUBLIC EMPLOYEES INV0010285 07/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES INV0010342 07/23/2021 Employee-PERS New	PER01 - PUBLIC EMPLOYEES				
PER01 - PUBLIC EMPLOYEES Req-UALFY21-22PERRA 07/14/2021 Required UAL PERRA Employees FY 21-22 1469 PER01 - PUBLIC EMPLOYEES INV0010273 07/15/2021 PERS-Classic Employee Portion 285.88 PER01 - PUBLIC EMPLOYEES INV0010274 07/15/2021 Californioa Public perployee Retirement 582.77 PER01 - PUBLIC EMPLOYEES INV0010282 07/15/2021 PERS-Classic Employee Portion 4765.08 PER01 - PUBLIC EMPLOYEES INV0010283 07/15/2021 PERS Survivors 22.32 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 Employee-PERS Classic 794.18 PER01 - PUBLIC EMPLOYEES INV0010285 07/15/2021 Californioa Public Employee Retirement 8293.69 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0010287 07/15/2021 Employee-PERS New 772.79 PER01 - PUBLIC EMPLOYEES INV0010342 07/15/2021 Employee-PERS New 0.93 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employee-PERS New 139.66				, ,	
PERO1 - PUBLIC EMPLOYEES INV0010273 07/15/2021 PERS-Classic Employee Portion 285.88		•		, , ,	
PER01 - PUBLIC EMPLOYEES INV0010274 O7/15/2021 Californioa Public Employee Retirement 582.77					
PER01 - PUBLIC EMPLOYEES INV0010282 07/15/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010283 07/15/2021 PERS Survivors 22.32 PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 Employee-PERS Classic 794.18 PER01 - PUBLIC EMPLOYEES INV0010285 07/15/2021 Californica Public Employee Retirement 8293.69 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0010287 07/15/2021 Employer-PERS New 772.79 PER01 - PUBLIC EMPLOYEES INV0010288 07/15/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES INV0010342 07/23/2021 PERS Survivors 0.93 PER01 - PUBLIC EMPLOYEES INV0010343 07/23/2021 Employer-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employee-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 Employee-PERS New 133.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 PERS-Classic Employee Portion 333.56 PER01 - PUBLIC EMPLOYEES INV0010357 <td></td> <td></td> <td></td> <td></td> <td></td>					
PER01 - PUBLIC EMPLOYEES INV0010284 07/15/2021 Employee-PERS Classic 794.18 PER01 - PUBLIC EMPLOYEES INV0010285 07/15/2021 Californioa Public Employee Retirement 8293.69 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0010287 07/15/2021 Employer-PERS New 772.79 PER01 - PUBLIC EMPLOYEES INV0010288 07/15/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES INV0010342 07/23/2021 PERS Survivors 0.93 PER01 - PUBLIC EMPLOYEES INV0010343 07/23/2021 Employer-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employer-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 PERS-Classic Employee Portion 33.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 PERS-Classic Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010285 07/15/2021 Californica Public Employee Retirement 8293.69 PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0010287 07/15/2021 Employer-PERS New 772.79 PER01 - PUBLIC EMPLOYEES INV0010288 07/15/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES INV0010342 07/23/2021 PERS Survivors 0.93 PER01 - PUBLIC EMPLOYEES INV0010343 07/23/2021 Employer-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employer-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 Employer-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 Employer-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californica Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010286 07/15/2021 Employee-PERS Classic 55.42 PER01 - PUBLIC EMPLOYEES INV0010287 07/15/2021 Employer-PERS New 772.79 PER01 - PUBLIC EMPLOYEES INV0010288 07/15/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES INV0010342 07/23/2021 PERS Survivors 0.93 PER01 - PUBLIC EMPLOYEES INV0010343 07/23/2021 Employee-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employee-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 PERS-Classic Employee Portion 33.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californioa Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08				· ·	
PER01 - PUBLIC EMPLOYEES INV0010287 07/15/2021 Employer-PERS New 772.79 PER01 - PUBLIC EMPLOYEES INV0010288 07/15/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES INV0010342 07/23/2021 PERS Survivors 0.93 PER01 - PUBLIC EMPLOYEES INV0010343 07/23/2021 Employer-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employee-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 PERS-Classic Employee Portion 333.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californica Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010288 07/15/2021 Employee-PERS New 687.26 PER01 - PUBLIC EMPLOYEES INV0010342 07/23/2021 PERS Survivors 0.93 PER01 - PUBLIC EMPLOYEES INV0010343 07/23/2021 Employer-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employee-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 PERS-Classic Employee Portion 333.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californica Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010342 07/23/2021 PERS Survivors 0.93 PER01 - PUBLIC EMPLOYEES INV0010343 07/23/2021 Employer-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employee-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 PERS-Classic Employee Portion 333.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californioa Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010343 07/23/2021 Employer-PERS New 139.66 PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employee-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 PER0-Classic Employee Portion 333.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californica Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010344 07/23/2021 Employee-PERS New 124.2 PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 PERS-Classic Employee Portion 333.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californica Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010356 07/29/2021 PERS-Classic Employee Portion 333.56 PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californioa Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010357 07/29/2021 Californioa Public Employee Retirement 574.83 PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010360 07/29/2021 PERS-Classic Employee Portion 4765.08					
PER01 - PUBLIC EMPLOYEES INV0010361 07/29/2021 PERS Survivors 21.39	PERO1 - PUBLIC EMPLOYEES				

PER01 - PUBLIC EMPLOYEES	INV0010362	07/29/2021	Employee-PERS Classic	794.18
PER01 - PUBLIC EMPLOYEES	INV0010363	07/29/2021	Californioa Public Employee Retirement	8481.88
PER01 - PUBLIC EMPLOYEES	INV0010364	07/29/2021	Employee-PERS Classic	182.82
PER01 - PUBLIC EMPLOYEES	INV0010365	07/29/2021	Employer-PERS New	633.13
PER01 - PUBLIC EMPLOYEES	INV0010366	07/29/2021	Employee-PERS New	563.06
PER01 - PUBLIC EMPLOYEES	CM0000320	08/09/2021	PERS Survivors	-0.93
PER01 - PUBLIC EMPLOYEES	CM0000321	08/09/2021	Employer-PERS New	-98.67
	CM0000322			-87.75
PER01 - PUBLIC EMPLOYEES		08/09/2021	Employee-PERS New	
PER01 - PUBLIC EMPLOYEES	INV0010389	08/12/2021	PERS-Classic Employee Portion	333.56
PER01 - PUBLIC EMPLOYEES	INV0010390	08/12/2021	Californioa Public Employee Retirement	492.7
PER01 - PUBLIC EMPLOYEES	INV0010393	08/12/2021	PERS-Classic Employee Portion	4765.08
PER01 - PUBLIC EMPLOYEES	INV0010394	08/12/2021	PERS Survivors	22.32
PER01 - PUBLIC EMPLOYEES	INV0010395	08/12/2021	Employee-PERS Classic	794.18
PER01 - PUBLIC EMPLOYEES	INV0010396	08/12/2021	Californioa Public Employee Retirement	8481.88
PER01 - PUBLIC EMPLOYEES	INV0010397	08/12/2021	Employee-PERS Classic	182.82
PER01 - PUBLIC EMPLOYEES	INV0010398	08/12/2021	Employer-PERS New	731.8
PER01 - PUBLIC EMPLOYEES	INV0010399	08/12/2021	Employee-PERS New	650.81
PER01 - PUBLIC EMPLOYEES	INV0010405	08/12/2021	PERS Survivors	0.93
PER01 - PUBLIC EMPLOYEES	INV0010406	08/12/2021	Employer-PERS New	98.67
PER01 - PUBLIC EMPLOYEES	INV0010407	08/12/2021	Employee-PERS New	87.75
PER01 - PUBLIC EMPLOYEES	FY21-22 GASB 68 Report	08/17/2021	GASB 68 Report FY21-22	700
PER01 - PUBLIC EMPLOYEES	INV0010454	08/26/2021	PERS-Classic Employee Portion	338.14
PER01 - PUBLIC EMPLOYEES	INV0010455	08/26/2021	Californioa Public Employee Retirement	499.46
PER01 - PUBLIC EMPLOYEES	INV0010463	08/26/2021	PERS-Classic Employee Portion	4830.6
PER01 - PUBLIC EMPLOYEES	INV0010464	08/26/2021	PERS Survivors	22.32
PER01 - PUBLIC EMPLOYEES	INV0010465	08/26/2021	Employee-PERS Classic	805.11
PER01 - PUBLIC EMPLOYEES	INV0010466	08/26/2021	Californioa Public Employee Retirement	8594.77
PER01 - PUBLIC EMPLOYEES	INV0010467	08/26/2021	Employee-PERS Classic	182.82
PER01 - PUBLIC EMPLOYEES	INV0010468	08/26/2021	Employer-PERS New	830.47
PER01 - PUBLIC EMPLOYEES	INV0010469	08/26/2021	Employee-PERS New	738.56
PER01 - PUBLIC EMPLOYEES	INV0010494	09/09/2021	PERS-Classic Employee Portion	346.16
PER01 - PUBLIC EMPLOYEES	INV0010495	09/09/2021	Californioa Public Employee Retirement	511.34
PER01 - PUBLIC EMPLOYEES	INV0010498	09/09/2021	PERS-Classic Employee Portion	4945.33
PER01 - PUBLIC EMPLOYEES	INV0010499	09/09/2021	PERS Survivors	22.32
PER01 - PUBLIC EMPLOYEES	INV0010500	09/09/2021	Employee-PERS Classic	824.24
PER01 - PUBLIC EMPLOYEES	INV0010501	09/09/2021	Californioa Public Employee Retirement	8792.49
PER01 - PUBLIC EMPLOYEES	INV0010502	09/09/2021	Employee-PERS Classic	182.82
PER01 - PUBLIC EMPLOYEES	INV0010503	09/09/2021	Employer-PERS New	879.77
PER01 - PUBLIC EMPLOYEES	INV0010504	09/09/2021	Employee-PERS New	782.41
PER01 - PUBLIC EMPLOYEES	INV0010561	09/23/2021	PERS-Classic Employee Portion	351.26
PER01 - PUBLIC EMPLOYEES	INV0010562	09/23/2021	Californioa Public Employee Retirement	518.84
PER01 - PUBLIC EMPLOYEES	INV0010570	09/23/2021	PERS-Classic Employee Portion	5018.02
PER01 - PUBLIC EMPLOYEES	INV0010571	09/23/2021	PERS Survivors	22.32
PER01 - PUBLIC EMPLOYEES	INV0010572	09/23/2021	Employee-PERS Classic	836.35
PER01 - PUBLIC EMPLOYEES	INV0010573	09/23/2021	Californioa Public Employee Retirement	8917.79
PER01 - PUBLIC EMPLOYEES	INV0010574	09/23/2021	Employee-PERS Classic	182.82
PER01 - PUBLIC EMPLOYEES	INV0010575	09/23/2021	Employer-PERS New	875.27
PER01 - PUBLIC EMPLOYEES	INV0010576	09/23/2021	Employee-PERS New	778.41
	114 000 1037 0	09/23/2021	Employee-FERS New	770.41
PER02 - PERLITER & INGALSBE				
Paid To Same Vendor				
PER02 - PERLITER & INGALSBE	18620	09/28/2021	Engineering Support Services	22582.5
PER05 - CAL PERS 457 PLAN	10020	00/20/2021	Zinginiosining dupport deriviese	22002.0
Paid To Same Vendor				
PER05 - CAL PERS 457 PLAN	INV0010232	07/01/2021	Deferred Compensation	50
PER05 - CAL PERS 457 PLAN	INV0010233	07/01/2021	Deferred Compensation	2078
PER05 - CAL PERS 457 PLAN	11.17.10.0.1.0.0.0	**********		50
	INV0010269	07/15/2021	Deferred Compensation	
PER05 - CAL PERS 457 PLAN	INV0010270	07/15/2021	Deferred Compensation	7498.15
PER05 - CAL PERS 457 PLAN	INV0010353	07/29/2021	Deferred Compensation	50
PER05 - CAL PERS 457 PLAN	INV0010354	07/29/2021	Deferred Compensation	2078
PER05 - CAL PERS 457 PLAN	INV0010334	08/12/2021	Deferred Compensation	50
PER05 - CAL PERS 457 PLAN	INV0010387	08/12/2021	Deferred Compensation	2078
PER05 - CAL PERS 457 PLAN	INV0010450	08/26/2021	Deferred Compensation	50
PER05 - CAL PERS 457 PLAN	INV0010451	08/26/2021	Deferred Compensation	2078
			·	
PER05 - CAL PERS 457 PLAN	INV0010491	09/09/2021	Deferred Compensation	50
PER05 - CAL PERS 457 PLAN	INV0010492	09/09/2021	Deferred Compensation	3078
PER05 - CAL PERS 457 PLAN	INV0010557	09/23/2021	Deferred Compensation	2000
PER05 - CAL PERS 457 PLAN	INV0010558	09/23/2021	Deferred Compensation	5028
			- 1	3020

PRA01 - PRAXAIR DISTRIBUTION INC				
Paid To Same Vendor				
PRA01 - PRAXAIR DISTRIBUTION INC	64903240	07/27/2021	Acetylene Gas Cylinders	59.35
PRA01 - PRAXAIR DISTRIBUTION INC	65515505	08/30/2021	Acetylene Gas Cylinders	60.76
PRO04 - PROVANTAGE LLC			, ,	
Paid To Same Vendor				
PRO04 - PROVANTAGE LLC	9041918	08/31/2021	UPSs for SLRR and SL1A	9677.72
PRO04 - PROVANTAGE LLC	9041922	08/31/2021	UPSs for SLRR and SL1A	4364.4
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	0011022	00/01/2021	01 00 101 021 11 t and 02 17 t	
Paid To Same Vendor				
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	86175	07/14/2021	GAC Engineering	34834
	02958-20-002 -A		GAC Engineering	2979.9
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.		07/20/2021		
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	02958-20-002 C	07/20/2021	CEQA charge going to FY21-0176	-1207.2
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	02958-20-002-April	07/20/2021	GAC Engineering	-1772.7
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	85606-A	07/20/2021	GAC CEQA	995.2
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	85606-B	07/20/2021	GAC Engineering	-0.2
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	85606-C	07/20/2021	GAC Engineering	-995
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	86175-A	07/20/2021	GAC CEQA	22
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	86175-C	07/20/2021	GAC Engineering	-22
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	86797	08/17/2021	GAC CEQA	2044.3
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	86797-1	08/17/2021	GAC Engineering	21900
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	87240	09/15/2021	GAC CEQA	2000.9
PRO05 - PROVOST & PRITCHARD ENGINEERING GROUP INC.	87240-1	09/15/2021	GAC Engineering	10960.93
PSI01 - PSI Water Technologies				
Paid To Same Vendor				
PSI01 - PSI Water Technologies	INV0005308	07/22/2021	Repair Parts Penny Well CL2 Cell	5476.88
PUR01 - PURETEC INDUSTRIAL WATER			,	
Paid To Same Vendor				
PUR01 - PURETEC INDUSTRIAL WATER	1899854	07/14/2021	Deionized Water Service	72.93
PUR01 - PURETEC INDUSTRIAL WATER	1903978	07/28/2021	Chemicals RMWTP	21327.51
PUR01 - PURETEC INDUSTRIAL WATER	1908495	08/17/2021	Deionized Water Service	70.33
PUR01 - PURETEC INDUSTRIAL WATER	1908496	08/17/2021	Deionized Water Service	70.33
PUR01 - PURETEC INDUSTRIAL WATER PUR01 - PURETEC INDUSTRIAL WATER	1912808	08/31/2021	Chemicals RMWTP	18077.31
	1912000	06/31/2021	Chemicals Rivivi F	10077.31
QUA02 - QUADIENT LEASING USA, INC.				
Paid To Same Vendor	N0000007	00/44/0004	D . M . E	074.45
QUA02 - QUADIENT LEASING USA, INC.	N9036637	09/14/2021	Postage Meter Equipmt Rental for Period Oct-Jan22	371.45
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY	N9036637	09/14/2021	Postage Meter Equipmt Rental for Period Oct-Jan22	371.45
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor				
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY	N9036637 WON10016244	09/14/2021 08/31/2021	Postage Meter Equipmt Rental for Period Oct-Jan22 Repair Parts - Pond Pump Maintenance	371.45 943.87
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor				
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor	WON10016244	08/31/2021	Repair Parts - Pond Pump Maintenance	943.87
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION				
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor	WON10016244	08/31/2021	Repair Parts - Pond Pump Maintenance	943.87
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION	WON10016244	08/31/2021	Repair Parts - Pond Pump Maintenance	943.87
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RESO1 - LINCOLN FINANCIAL GROUP	WON10016244	08/31/2021	Repair Parts - Pond Pump Maintenance	943.87
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor	WON10016244 36384	08/31/2021 09/28/2021	Repair Parts - Pond Pump Maintenance Alarm Service	943.87 297.5
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP	WON10016244 36384 INV0010244	08/31/2021 09/28/2021 07/01/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RFS01 - LINCOLN FINANCIAL GROUP RFS01 - LINCOLN FINANCIAL GROUP	WON10016244 36384 INV0010244 INV0010289	08/31/2021 09/28/2021 07/01/2021 07/15/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Profit Share Contribution	943.87 297.5 2544.4 2563.4
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP	WON10016244 36384 INV0010244 INV0010289 INV0010367	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Profit Share Contribution Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4 2563.4 2587.28
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4 2587.28 2600.98
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4 2563.4 2587.28
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4 2587.28 2600.98
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RFS01 - SAME VENDOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021 09/23/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4 2563.4 2587.28 2600.98 2738.36
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4 2587.28 2600.98
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - THE ROVISYS COMPANY	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021 09/23/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4 2563.4 2587.28 2600.98 2738.36
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - RON'S PORTABLE WELDING ROV01 - THE ROVISYS COMPANY Paid To Same Vendor	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577 6788	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021 09/23/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification	943.87 297.5 2544.4 2563.4 2563.4 2563.4 2587.28 2600.98 2738.36
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - THE ROVISYS COMPANY Paid To Same Vendor ROV01 - THE ROVISYS COMPANY	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021 09/23/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution	943.87 297.5 2544.4 2563.4 2563.4 2563.4 2587.28 2600.98 2738.36
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - THE ROVISYS COMPANY Paid TO Same Vendor ROV01 - THE ROVISYS COMPANY	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577 6788	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021 09/23/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification	943.87 297.5 2544.4 2563.4 2563.4 2563.4 2587.28 2600.98 2738.36
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING RON01 - RON'S PORTABLE WELDING ROV01 - THE ROVISYS COMPANY Paid To Same Vendor ROV01 - THE ROVISYS COMPANY PAId TO Same Vendor	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577 6788 68769	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/09/2021 08/31/2021 08/31/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution DeviceNet to EtherNet/IP CIP	943.87 297.5 2544.4 2563.4 2563.4 2587.28 2600.98 2738.36 600
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RFS01 - THE ROVISYS COMPANY Paid To Same Vendor ROV01 - THE ROVISYS COMPANY ROY03 - ROYAL INDUSTRIAL SOLUTIONS Paid To Same Vendor ROY03 - ROYAL INDUSTRIAL SOLUTIONS	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577 6788 68769 9009-1004374	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/26/2021 09/09/2021 09/23/2021 08/31/2021 07/22/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification DeviceNet to EtherNet/IP CIP	943.87 297.5 2544.4 2563.4 2563.4 2563.2 2600.98 2738.36 600 19765.04
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - RON'S PORTABLE WELDING ROV01 - THE ROVISYS COMPANY Paid To Same Vendor ROY03 - ROYAL INDUSTRIAL SOLUTIONS Paid To Same Vendor ROY03 - ROYAL INDUSTRIAL SOLUTIONS ROY03 - ROYAL INDUSTRIAL SOLUTIONS	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010470 INV0010505 INV0010577 6788 68769 9009-1004374 9009-1007551	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/26/2021 09/09/2021 08/31/2021 07/22/2021 07/14/2021 07/14/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification DeviceNet to EtherNet/IP CIP Repair Parts - 1B Solar Repair Parts - 1B Solar	943.87 297.5 2544.4 2563.4 2563.4 2587.28 2600.98 2738.36 600 19765.04
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RFS01 - THE ROVISYS COMPANY Paid To Same Vendor RON01 - RON'S PORTABLE WELDING ROV01 - THE ROVISYS COMPANY Paid To Same Vendor ROV01 - THE ROVISYS COMPANY ROY03 - ROYAL INDUSTRIAL SOLUTIONS ROY03 - ROYAL INDUSTRIAL SOLUTIONS ROY03 - ROYAL INDUSTRIAL SOLUTIONS	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010505 INV0010577 6788 68769 9009-1004374 9009-1007551 9009-1007763	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 09/09/2021 09/23/2021 08/31/2021 07/22/2021 07/14/2021 07/14/2021 07/14/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification DeviceNet to EtherNet/IP CIP Repair Parts - 1B Solar	943.87 297.5 2544.4 2563.4 2563.4 2563.2 2600.98 2738.36 600 19765.04 73.49 143.33 176.9
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - RON'S PORTABLE WELDING ROV01 - THE ROVISYS COMPANY Paid To Same Vendor ROV01 - THE ROVISYS COMPANY ROY03 - ROYAL INDUSTRIAL SOLUTIONS	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577 6788 68769 9009-1004374 9009-1007763 9009-1008008	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/32/2021 09/09/2021 09/23/2021 08/31/2021 07/12/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification DeviceNet to EtherNet/IP CIP Repair Parts - 1B Solar Repair Parts - Radio Relocate	943.87 297.5 2544.4 2563.4 2563.4 2567.28 2600.98 2738.36 600 19765.04 73.49 143.33 176.9 53.62
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - THE ROVISYS COMPANY Paid To Same Vendor ROV01 - THE ROVISYS COMPANY Paid To Same Vendor ROY03 - ROYAL INDUSTRIAL SOLUTIONS	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010470 INV0010505 INV0010577 6788 68769 9009-1004374 9009-1007551 9009-1007763 9009-1008008 9009-1008016	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/99/2021 09/23/2021 07/22/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification DeviceNet to EtherNet/IP CIP Repair Parts - 1B Solar Repair Parts - 1B Solar Repair Parts - Radio Relocate Repair Parts - Radio Relocate Repair Parts CWRF	943.87 297.5 2544.4 2563.4 2563.4 2563.2 2600.98 2738.36 600 19765.04 73.49 143.33 176.9 53.62 116.01
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - RON'S PORTABLE WELDING ROV01 - THE ROVISYS COMPANY Paid To Same Vendor ROV01 - THE ROVISYS COMPANY ROY03 - ROYAL INDUSTRIAL SOLUTIONS	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577 6788 68769 9009-1004374 9009-1007763 9009-1008008	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/32/2021 09/09/2021 09/23/2021 08/31/2021 07/12/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification DeviceNet to EtherNet/IP CIP Repair Parts - 1B Solar Repair Parts - Radio Relocate	943.87 297.5 2544.4 2563.4 2563.4 2567.28 2600.98 2738.36 600 19765.04 73.49 143.33 176.9 53.62
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - THE ROVISYS COMPANY Paid To Same Vendor ROV01 - THE ROVISYS COMPANY Paid To Same Vendor ROY03 - ROYAL INDUSTRIAL SOLUTIONS	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010470 INV0010505 INV0010577 6788 68769 9009-1004374 9009-1007551 9009-1007763 9009-1008008 9009-1008016	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/12/2021 08/26/2021 09/99/2021 09/23/2021 07/22/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification DeviceNet to EtherNet/IP CIP Repair Parts - 1B Solar Repair Parts - 1B Solar Repair Parts - Radio Relocate Repair Parts - Radio Relocate Repair Parts CWRF	943.87 297.5 2544.4 2563.4 2563.4 2563.2 2600.98 2738.36 600 19765.04 73.49 143.33 176.9 53.62 116.01 4460.1 2248.71
QUA02 - QUADIENT LEASING USA, INC. QUI02 - QUINN COMPANY Paid To Same Vendor QUI02 - QUINN COMPANY RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RAY05 - RAYCO SECURITY LOSS PREVENTION Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP Paid To Same Vendor RFS01 - LINCOLN FINANCIAL GROUP RON01 - RON'S PORTABLE WELDING Paid To Same Vendor RON01 - THE ROVISYS COMPANY Paid To Same Vendor ROY03 - ROYAL INDUSTRIAL SOLUTIONS	WON10016244 36384 INV0010244 INV0010289 INV0010367 INV0010400 INV0010470 INV0010505 INV0010577 6788 68769 9009-1004374 9009-1007551 9009-1007763 9009-1008116 9009-1008116 9009-1006064	08/31/2021 09/28/2021 07/01/2021 07/15/2021 07/29/2021 08/26/2021 09/09/2021 09/23/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021 07/14/2021	Repair Parts - Pond Pump Maintenance Alarm Service Profit Share Contribution Calleguas SMP Testing Pipe Modification DeviceNet to EtherNet/IP CIP Repair Parts - 1B Solar Repair Parts - 1B Solar Repair Parts - 1B Solar Repair Parts - Radio Relocate Repair Parts - Radio Relocate Repair Parts CWRF Repair Parts PLC Power Supplies	943.87 297.5 2544.4 2563.4 2563.4 2563.4 2587.28 2600.98 2738.36 600 19765.04 73.49 143.33 176.9 53.62 116.01 4460.1

ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008492	07/27/2021	Repair Parts - 1B Res Battery Storage	680.19
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008493	07/27/2021	Repair Parts - 1B Res	101.52
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008623	07/27/2021	Repair Parts - 1B Res	620.58
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1007671	08/06/2021	Repair Parts - CWRF RAS VFD	325.88
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ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008539	08/06/2021	Repair Parts - Res 1B Solar	151.84
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008786	08/06/2021	Repair Parts - CWRF RAS VFDs	651.76
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008949	08/06/2021	Repair Parts - Diversion MOV	688.17
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008988	08/06/2021	Repair Parts - Diversion Conduit	498.5
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1009183	08/06/2021	Repair Parts - CWRF Term Blocks	845.62
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1009264	08/06/2021	Repair Parts - Flag Light at CWRF	534.83
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008885	08/18/2021	Repair Parts - Radio at CWRF	231.15
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1009436	08/23/2021	Storage Container Lighting	2228.31
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1009770	08/31/2021	Repair Parts - SR3 VFD Fans	426.53
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1009855	08/31/2021	Sewer Lift #1 - SCADA Parts	523.38
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1009931	08/31/2021	Sewer Lift #1 - SCADA Parts	258.49
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1009976	08/31/2021	Repair Parts SR3 VFD Fans	86.01
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1010272	09/01/2021	Repair Parts SR3 VFD	13188.61
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1010465	09/01/2021	SL1A SCADA Equipment	806.31
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008793	09/13/2021	Repair Parts - CWRF Radio	231.15
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008947	09/13/2021	Repair Parts - CWRF Radio	119.1
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1010490	09/13/2021	Repair Parts - CSUCI Pump Station Motor	182.34
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1005681	09/14/2021	SL RR SCADA Equipment	1218.04
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ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1007282	09/14/2021	SL RR SCADA Equipment	651.76
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1008535	09/14/2021	SL RR SCADA Equipment	288.72
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1009939	09/14/2021	SL RR SCADA Equipment	283.53
				628.51
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1010468	09/14/2021	SL RR SCADA Equipment	
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1010563	09/14/2021	SL RR SCADA Equipment	101.6
ROY03 - ROYAL INDUSTRIAL SOLUTIONS	9009-1010816	09/14/2021	SL RR SCADA Equipment	674.9
RTL01 - RT LAWRENCE CORPORATION			- 11	
Paid To Same Vendor				
RTL01 - RT LAWRENCE CORPORATION	45049	08/18/2021	Lockbock Services for July 2021	856.35
SAL01 - SALINAS & SONS ROOTER INC				
Paid To Same Vendor				
SAL01 - SALINAS & SONS ROOTER INC	00-11780	07/27/2021	Repair Parts - Water Heater	498.26
SAL01 - SALINAS & SONS ROOTER INC	00-11639	08/17/2021	Repair Parts - Toilet Repair	542.98
SAL01 - SALINAS & SONS ROOTER INC	00-12057	09/13/2021	Sewer Cleaning - Stacy Ln	695
	00-12037	09/13/2021	Sewer Clearling - Stacy Lit	095
SAM01 - SAM HILL & SONS, INC.				
Paid To Same Vendor				
SAM01 - SAM HILL & SONS, INC.	3845	07/27/2021	Hit Fire Hydrant	9698.71
	3878	08/31/2021	Calleguas SMP Testing Pipe Modification	2155.47
SAM01 - SAM HILL & SONS, INC.	3070	06/31/2021	Calleguas Sivir Testing Fipe Mounication	2155.47
SCE01 - SOUTHERN CALIF. EDISON				
Paid To Same Vendor				
SCE01 - SOUTHERN CALIF. EDISON	April-June 2021	07/01/2021	Edison Usage Charges from April through June 2021	208239.9
SCE01 - SOUTHERN CALIF. EDISON	May-June2021	07/14/2021	Edison May June 2021 Usage Charges	162270.2
SCE01 - SOUTHERN CALIF. EDISON	July 2021	08/30/2021	Current Usage Charges - July 2021	149306.7
SCE01 - SOUTHERN CALIF. EDISON	August 2021	09/15/2021	Current Monthly Charges August 2021	74172.2
SCF01 - SOUTHERN COUNTIES OIL	· ·-g			
Paid To Same Vendor				
SCF01 - SOUTHERN COUNTIES OIL	1907354IN	07/14/2021	Material & Supplies - Fuel	881.69
SCF01 - SOUTHERN COUNTIES OIL	1912164IN	07/22/2021	Material & Supplies - Fuel	1149.66
		07/27/2021	Material & Supplies - Fuel	1620.97
SCF01 - SOUTHERN COUNTIES OIL	1917161IN		·	
SCF01 - SOUTHERN COUNTIES OIL	1921693IN	08/06/2021	Materials & Supplies - Fuel	1262.38
SCF01 - SOUTHERN COUNTIES OIL	1925915IN	08/17/2021	Material & Supplies - Fuel	1349.29
SCF01 - SOUTHERN COUNTIES OIL	1930917IN	08/17/2021	Material & Supplies - Fuel	1300.81
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SCF01 - SOUTHERN COUNTIES OIL	1936228IN	08/23/2021	Material & Supplies - Fuel	1804.73
SCF01 - SOUTHERN COUNTIES OIL	1939769IN	08/23/2021	Material & Supplies - Fuel Pond 1	1428.81
SCF01 - SOUTHERN COUNTIES OIL	1942111IN	08/31/2021	Fleet Fuel	1141.36
SCF01 - SOUTHERN COUNTIES OIL	1946913IN	08/31/2021	Materials & Supplies - Fuel Ponds	273.73
SCF01 - SOUTHERN COUNTIES OIL	1946504IN	09/13/2021	Materials & Supplies - Fuel	1508.69
SCF01 - SOUTHERN COUNTIES OIL	1949336IN	09/13/2021	Materials & Supplies - Fuel Pond 1	153.72
SCF01 - SOUTHERN COUNTIES OIL	1952112IN	09/13/2021	Material & Supplies - Fuel	1386.87
	.502112114	00/10/2021		1000.01
SCG01 - SOUTHERN CALIFORNIA GAS				
Paid To Same Vendor				
SCG01 - SOUTHERN CALIFORNIA GAS	July 2021	08/17/2021	July 2021 Usage Charges-Act 12378717941	15.78
SCG01 - SOUTHERN CALIFORNIA GAS	August 2021	09/01/2021	Usage Charges August 2021-Via Cantilena	15.85
	,guot 202 1	03/01/2021	11.30 Sharges hagast 2021 Yid Odiffilliona	10.00
SEC03 - SYMETRA LIFE INS CO.				
Paid To Same Vendor				

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SEC03 - SYMETRA LIFE INS CO.	INV0010277	07/15/2021	Life Insurance	282
SEC03 - SYMETRA LIFE INS CO.	INV0010458	08/26/2021	Life Insurance	282
SEC03 - SYMETRA LIFE INS CO.	INV0010565	09/23/2021	Life Insurance	282
SHU01 - SHUMATE SERVICES, INC				
Paid To Same Vendor				
SHU01 - SHUMATE SERVICES, INC	21-046	07/27/2021	Repair Parts - Door Repair	311.74
SMA05 - HADRONEX INC.				
Paid To Same Vendor				
SMA05 - HADRONEX INC.	19041	08/17/2021	SmartCover Sewer Monitoring	27004
SPA01 - SPARKLETTS				
Paid To Same Vendor				
SPA01 - SPARKLETTS	4667386-080821	08/17/2021	Distilled Bottled Water	38.92
SPA01 - SPARKLETTS	4667386-090521	09/14/2021	dISTILLED bOTTLED wATER	61.9
STA05 - STATE WATER RESOURCES CONTROL BOARD				
Paid To Same Vendor				
STA05 - STATE WATER RESOURCES CONTROL BOARD	T2-Cert-GM	07/23/2021	T2 Certification Water Trmt Operator-Graham Moland	60
STA05 - STATE WATER RESOURCES CONTROL BOARD	D2 Exam-Brian Bo	08/05/2021	Grade 2 Distribution Exam App-Brian Boring	65
STA05 - STATE WATER RESOURCES CONTROL BOARD	D3 Exam-BrandonRoth	08/17/2021	Grade 3 Distribution Exam App-Brandon Roth	100
STA05 - STATE WATER RESOURCES CONTROL BOARD	D4 Exam-Josh Smith	08/17/2021	Grade 4 Distribution Exam App- Joshua Smith	130
STA05 - STATE WATER RESOURCES CONTROL BOARD	T3 Exam-BrandonRoth	08/17/2021	Grade 3 Treatment Exam App- Brandon Roth	100
STA05 - STATE WATER RESOURCES CONTROL BOARD	D5-Exam-ChrisP	09/22/2021	Distribution Certification - D5 -Chris Patacsil	155
STA05 - STATE WATER RESOURCES CONTROL BOARD	T4-Cert-Josh S	09/22/2021	Grade 4 Treatment Cert Josh	105
STA05 - STATE WATER RESOURCES CONTROL BOARD	T4-Exam -Chris P	09/22/2021	Treatment Certification - T4 -Chris Patacsil	130
STA15 - STAPLES				
Paid To Same Vendor			·	
STA15 - STAPLES	278183476	07/27/2021	Office Supplies	868.59
STA19 - STANTEC CONSULTING				
Paid To Same Vendor				
STA19 - STANTEC CONSULTING	INV0010341	07/22/2021	GSP Scoping	5719
STA19 - STANTEC CONSULTING	1819312	08/17/2021	GSP Scoping	85
TER02 - TERRA UNIVERSAL, INC.				
Paid To Same Vendor				
TER02 - TERRA UNIVERSAL, INC.	284766	08/24/2021	E-Pure Lab Water Filter	9129.09
THE04 - THERMO FISHER SCIENTIFIC (ASHVILLE) LLC				
Paid To Same Vendor				
THE04 - THERMO FISHER SCIENTIFIC (ASHVILLE) LLC	79942587	09/01/2021	Lab Supplies	366.98
THE04 - THERMO FISHER SCIENTIFIC (ASHVILLE) LLC	79977267	09/14/2021	Repair Parts for the IC	420.13
TOT03 - TOTAL BARRICADE SERVICE INC		00/ 1 1/202 1	repair rate for the re-	120.10
Paid To Same Vendor				
TOT03 - TOTAL BARRICADE SERVICE INC	53800	08/31/2021	Raise Valve Stacking -Traffic Plan Manholes	150
TOT03 - TOTAL BARRICADE SERVICE INC	53801	08/31/2021	Raise Valve Stacking -Traffic Plan Manholes	600
TOT03 - TOTAL BARRICADE SERVICE INC	53881	09/15/2021	Raise Valve Stacking - Hank Han Manholes Raise Valve Stackings - Manholes Traffic Control	1006
	53882	09/15/2021		1070
TOT03 - TOTAL BARRICADE SERVICE INC			Raise Valve Stackings - Manholes Traffic Control	
TOT03 - TOTAL BARRICADE SERVICE INC	53883	09/15/2021	Raise Valve Stackings - Manholes Traffic Control	1600
TOT03 - TOTAL BARRICADE SERVICE INC	53884	09/15/2021	Raise Valve Stackings - Manholes Traffic Control	1600
TOT03 - TOTAL BARRICADE SERVICE INC	53913	09/28/2021	Raise Valve Stackings - Manholes Traffic Control	1034
TOT03 - TOTAL BARRICADE SERVICE INC	53942	09/28/2021	Raise Valve Stackings - Manholes Traffic Control	799
TOT03 - TOTAL BARRICADE SERVICE INC	53943	09/28/2021	Raise Valve Stackings - Manholes Traffic Control	926
TOT03 - TOTAL BARRICADE SERVICE INC	53955	09/28/2021	Raise Valve Stackings - Manholes Traffic Control	873
TRA02 - TRAVIS AGRICULTURAL, INC				
Paid To Same Vendor				
TRA02 - TRAVIS AGRICULTURAL, INC	21223F	07/14/2021	Raise Valve Stackings - Manholes	5170.41
TRA02 - TRAVIS AGRICULTURAL, INC	216352P	07/14/2021	Site Grading	7111.15
TRA02 - TRAVIS AGRICULTURAL, INC	216353P	07/14/2021	Sewer Diversion Structure Fence Repair	6899.64
TRA02 - TRAVIS AGRICULTURAL, INC	21635P	07/14/2021	Site Cleanup Sewer Diversion	7875.97
TRA02 - TRAVIS AGRICULTURAL, INC	216354P	08/17/2021	Sewer Diversion Structure Fence Repair	3610.38
TRA02 - TRAVIS AGRICULTURAL, INC	216355P	08/17/2021	Site Cleanup Sewer Diversion	3709.9
TRA02 - TRAVIS AGRICULTURAL, INC	21723F	09/14/2021	EQ ponds relocate network and tower	6949.3
TRU01 - Trusted Tech Team, Inc			·	
Paid To Same Vendor				
TRU01 - Trusted Tech Team, Inc	88250	07/14/2021	Windows 2019 Upgrade	20588.4
TRU01 - Trusted Tech Team, Inc	88775	07/22/2021	Windows 10 Licenses for New Installs	474.95
TUR01 - TURF CONSTRUCTION, INC.	337.13	OTTLETE COL I	actro to Electroco for 140W Installe	717.30
Paid To Same Vendor				
TUR01 - TURF CONSTRUCTION, INC.	14261	08/25/2021	Leak Repair 1" Service	5783
TUR01 - TURF CONSTRUCTION, INC.			·	4774.37
	14272	09/14/2021	Leak Repair 1" Service	4//4.3/
UND01 - UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA, INC				

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Paid To Same Vendor UND01 - UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA. INC	720240200	08/06/2024	Dig Alart Manthly Tieksto	650.0
	720210209	08/06/2021	Dig Alert Monthly Tickets	650.2 47.44
UND01 - UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA, INC	dsb20203666	08/06/2021	Dig Alert Monthly Tickets	
UND01 - UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA, INC	820210205	09/01/2021	Dig Alert Monthly Tickets	308.65
UND01 - UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA, INC	dsb20204222	09/01/2021	Dig Alert Monthly Tickets	47.44
UNI08 - UNIFIRST CORPORATION				
Paid To Same Vendor UNI08 - UNIFIRST CORPORATION	328-1289788	07/14/2021	Uniform Cleaning Service	224.83
UNIO8 - UNIFIRST CORPORATION	328-1289798	07/14/2021	Office Cleanning Supplies - Mat- Towel Service	87.17
UNIO8 - UNIFIRST CORPORATION	328-1293465	07/27/2021	Uniform Cleaning Service	281.72
UNIO8 - UNIFIRST CORPORATION	328-1293475	07/27/2021	Office Cleaning Supplies - Towe-Mat Service	97.57
UNIO8 - UNIFIRST CORPORATION	328-1295299	07/27/2021	Uniform Cleaning Service	239.47
UNIO8 - UNIFIRST CORPORATION	328-1295309	07/27/2021	Office Cleaning Supplies - Towe-Mat Service	97.57
UNIO8 - UNIFIRST CORPORATION	328-1291630	08/06/2021	Uniform Cleaning Service	224.83
UNIO8 - UNIFIRST CORPORATION	328-1291640	08/06/2021	Office Cleaning Supplies - Towel-Mat Service.	99.13
UNIO8 - UNIFIRST CORPORATION	328-1297132	08/17/2021	Uniform Cleaning Service	239.47
UNIO8 - UNIFIRST CORPORATION	328-1297142	08/17/2021		91.35
UNIO8 - UNIFIRST CORPORATION	328-1298976	08/18/2021	Uniform Cleaning Service	248.97
UNIO8 - UNIFIRST CORPORATION	328-1298985	08/18/2021	Office Cleaning Supplies - Towel-Mat Service	60.4
UNIO8 - UNIFIRST CORPORATION	328-1300794	08/23/2021	Uniform Cleaning Service	242.06
UNIO8 - UNIFIRST CORPORATION	328-1300803	08/23/2021	Office Cleaning Supplies - Towel-Mat Service	66.14
UNIO8 - UNIFIRST CORPORATION	328-1302607	08/31/2021	Uniform Cleaning Service	242.06
UNIO8 - UNIFIRST CORPORATION	328-1302615	08/31/2021	Office Cleaning Supplies - Mat Service	66.14
UNIO8 - UNIFIRST CORPORATION	328-1304418	08/31/2021	Uniform Cleaning Service	242.06
UNIO8 - UNIFIRST CORPORATION	328-1304426	08/31/2021	Office Cleaning Supplies - Mat Service	64.58
UNIO8 - UNIFIRST CORPORATION	328-1306331	09/27/2021	Uniform Cleaning Service	245.43
UNIO8 - UNIFIRST CORPORATION	328-1306339	09/27/2021	Office Cleaning Supplies - Towel & Mat Service	67.63
UNIO8 - UNIFIRST CORPORATION	328-1308177	09/27/2021	Uniform Cleaning Service	242.06
UNIO8 - UNIFIRST CORPORATION	328-1308185	09/27/2021	Office Cleaning Supplies - Towel & Mat Service	64.58
UNIO8 - UNIFIRST CORPORATION	328-1310087	09/27/2021	Uniform Cleaning Service	242.06
UNIO8 - UNIFIRST CORPORATION	328-1310095	09/27/2021	Office Cleaning Supplies - Towel & Mat Service	66.14
UNI10 - UNITED STATES TREASURY				
Paid To Same Vendor	11.11.400.400.45	07/04/0004		10510.00
UNI10 - UNITED STATES TREASURY	INV0010245	07/01/2021	FIT	10540.38
UNI10 - UNITED STATES TREASURY	INV0010246	07/01/2021	Payroll-Social Security Tax	126.98
UNI10 - UNITED STATES TREASURY	INV0010247	07/01/2021	Payroll- Medicare Tax	2715.18
UNI10 - UNITED STATES TREASURY	INV0010292	07/15/2021	FIT	15738.85
UNI10 - UNITED STATES TREASURY	INV0010293	07/15/2021	Payroll-Social Security Tax	111.1
UNI10 - UNITED STATES TREASURY	INV0010294	07/15/2021	Payroll- Medicare Tax	3467.34
UNI10 - UNITED STATES TREASURY	INV0010299	07/15/2021	FIT	18.33
UNI10 - UNITED STATES TREASURY	INV0010300	07/15/2021	Payroll-Social Security Tax	496
UNI10 - UNITED STATES TREASURY	INV0010301	07/15/2021	Payroll- Medicare Tax	116
UNI10 - UNITED STATES TREASURY	INV0010345	07/23/2021	FIT	11.16
UNI10 - UNITED STATES TREASURY	INV0010346	07/23/2021	Payroll- Medicare Tax	62.84
UNI10 - UNITED STATES TREASURY	INV0010368	07/29/2021	FIT	11382.81
UNI10 - UNITED STATES TREASURY	INV0010369	07/29/2021	Payroll-Social Security Tax	111.1
UNI10 - UNITED STATES TREASURY	INV0010370	07/29/2021	Payroll- Medicare Tax	2820.9
UNI10 - UNITED STATES TREASURY	CM0000323	08/09/2021	Payroll- Medicare Tax	-37.7
UNI10 - UNITED STATES TREASURY	INV0010401	08/12/2021	FIT	10915.44
UNI10 - UNITED STATES TREASURY	INV0010402	08/12/2021	Payroll-Social Security Tax	47.62
UNI10 - UNITED STATES TREASURY	INV0010403	08/12/2021	Payroll- Medicare Tax	2775.62
UNI10 - UNITED STATES TREASURY	INV0010408	08/12/2021	Payroll- Medicare Tax	37.7
UNI10 - UNITED STATES TREASURY	INV0010443	08/26/2021	Payroll-Social Security Tax	248
UNI10 - UNITED STATES TREASURY	INV0010444	08/26/2021	Payroll- Medicare Tax	58
UNI10 - UNITED STATES TREASURY	INV0010473	08/26/2021	FIT	11591.09
UNI10 - UNITED STATES TREASURY	INV0010474	08/26/2021	Payroll-Social Security Tax	125
UNI10 - UNITED STATES TREASURY	INV0010475	08/26/2021	Payroll- Medicare Tax	2888.56
UNI10 - UNITED STATES TREASURY	INV0010506	09/09/2021	FIT	13217.37
UNI10 - UNITED STATES TREASURY	INV0010507	09/09/2021	Payroll-Social Security Tax	53.56
UNI10 - UNITED STATES TREASURY	INV0010508	09/09/2021	Payroll- Medicare Tax	3161.06
UNI10 - UNITED STATES TREASURY	INV0010549	09/23/2021	Payroll-Social Security Tax	570.4
UNI10 - UNITED STATES TREASURY	INV0010550	09/23/2021	Payroll- Medicare Tax	133.4
UNI10 - UNITED STATES TREASURY	INV0010580	09/23/2021	FIT	12345.12
UNI10 - UNITED STATES TREASURY	INV0010581	09/23/2021	Payroll-Social Security Tax	47.96
UNI10 - UNITED STATES TREASURY UNU01 - UNUM LIFE INSURANCE	INV0010582	09/23/2021	Payroll- Medicare Tax	3094.34

UNU01 - UNUM LIFE INSURANCE	INV0010189	07/01/2021	Lont Term Disability	1049.67
UNU01 - UNUM LIFE INSURANCE	INV0010199	07/01/2021	Short Term Disability	242.81
UNU01 - UNUM LIFE INSURANCE	7-21 PR ME	08/01/2021	Premium adjustment Lewsadder	37.48
UNU01 - UNUM LIFE INSURANCE	INV0010278	08/01/2021	Lont Term Disability	1049.67
UNU01 - UNUM LIFE INSURANCE	INV0010290	08/01/2021	Short Term Disability	242.81
UNU01 - UNUM LIFE INSURANCE	INV0010459	09/01/2021	Lont Term Disability	1049.67
UNU01 - UNUM LIFE INSURANCE	INV0010471	09/01/2021	Short Term Disability	242.81
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UNU01 - UNUM LIFE INSURANCE	8-21 ME	09/02/2021	Reversal of Payable and recording of credit	-74.96
UNU01 - UNUM LIFE INSURANCE	8-21 PR ME	09/02/2021	Lewsadder Chris Credit for August 2021	37.48
USA01 - USA BLUE BOOK				
Paid To Same Vendor				
	200570	07/07/0004	D : D : I IT : :: ODD!!	004.00
USA01 - USA BLUE BOOK	669578	07/27/2021	Repair Parts - Level Transmitter SRPH	631.69
USA01 - USA BLUE BOOK	669838	07/27/2021	Laboratory Supplies	115.4
USA01 - USA BLUE BOOK	669841	07/27/2021	Laboratory Supplies	46.42
USA01 - USA BLUE BOOK	674121	07/28/2021	Laboratory Supplies	45.9
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USA01 - USA BLUE BOOK	668521	08/06/2021	Repair Parts - Pit Transmitter SRPH	634.43
USA01 - USA BLUE BOOK	680254	08/06/2021	Materials & Supplies - CWRF Headwork Bags	912.65
USA01 - USA BLUE BOOK	692165	08/17/2021	Repair Parts RMWTP	982.08
USA01 - USA BLUE BOOK	693943	08/18/2021	Lab Supplies	343.09
USA01 - USA BLUE BOOK	696629	08/18/2021	Lab Supplies	230.79
USA01 - USA BLUE BOOK	699263	08/23/2021	Materials & Supplies - PPE Gloves Large	238.1
USA01 - USA BLUE BOOK	699264	08/23/2021	Material & Supplies - PPE Glove Large	148.81
USA01 - USA BLUE BOOK	699489	08/23/2021	Materials & Supplies - Gloves Small, Med, XL	611.94
USA01 - USA BLUE BOOK	699511	08/23/2021	Repair Parts - Woodcreek Well	866.39
USA01 - USA BLUE BOOK	700855	08/23/2021	Repair Parts - RMWTP - A2-SNEE-T	852.21
USA01 - USA BLUE BOOK	715925	09/14/2021	Repair Parts RMWTP A3-SNEE-T	827.8
USA01 - USA BLUE BOOK	717385	09/14/2021	Materials & Supplies	358.16
USA01 - USA BLUE BOOK	720214	09/14/2021	Repair Parts- RMWTP - A3-SNGG-R	964.48
USA01 - USA BLUE BOOK	724688	09/15/2021	Materials & Supplies for the Lab	71.01
USA01 - USA BLUE BOOK	724691	09/24/2021	Lab Supplies	289.66
USB02 - U.S. BANK CORPORATE	. =			
Paid To Same Vendor				
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	After-Hours Call Cent, Internet	552.71
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	After-Hours Call Cent, Internet	510.2
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	After-Hours Call Cent, Internet	572.34
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USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Amazon Prime	39.82
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Amazon Prime	44.67
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Amazon Prime	43.14
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	AWA WaterWise breakfast, training	46.73
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	AWA WaterWise breakfast, training	41.65
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	AWA WaterWise breakfast, training	45.12
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	AWA/CCWUC Training (TC, GM)	18.59
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	AWA/CCWUC Training (TC, GM)	19.24
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	AWA/CCWUC Training (TC, GM)	17.15
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Cable TV	100.96
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	HDMI Switches, USB cable, Battery	108.23
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	HDMI Switches , USB cable, Battery	96.48
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	HDMI Switches , USB cable, Battery	104.52
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Ice	8.09
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Lights for main building at CWRF	381.16
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	mic for work desktop for zoom calls etc	90
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USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	monthly vehicle wash	55.71
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	monthly vehicle wash	49.66
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	monthly vehicle wash	53.8
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Office Supplies	18.74
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USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Office Supplies	19.4
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Office Supplies	17.29
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Oil change for work truck	45.46
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Oil change for work truck	41.96
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Oil change for work truck	47.07
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Salt for PennWell	173.1
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Shipped Samples to Weck Laboratories	14.41
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Shipped Samples to Weck Laboratories	13.31
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Shipped Samples to Weck Laboratories	27.72
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Shippint PV Well, speakers & monitors	382.62
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Spray Bottles	2.67
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Spray Bottles	1.28

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USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Spray Bottles	1.39
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	stock imagery for website/social media	10.14
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	stock imagery for website/social media	9.36
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	stock imagery for website/social media	10.5
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	teleconferencing & AWA Meeting	52.2
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	teleconferencing & AWA Meeting	48.19
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	teleconferencing & AWA Meeting	54.06
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Thermometer Calibrations	187.65
				97.58
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Thermometer Calibrations	
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Thermometer Calibrations	90.07
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Trash bags, Lab supp, Para Cord,	174.48
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Trash bags, Lab supp, Para Cord,	161.06
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Trash bags, Lab supp, Para Cord,	335.55
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Treatment & Pump/Well rehab Training Exam Prep,	126.75
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Treatment & Pump/Well rehab Training Exam Prep,	117
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	Treatment & Pump/Well rehab Training Exam Prep,	131.25
USB02 - U.S. BANK CORPORATE	21-Jun	07/14/2021	web site hosting, mic, cable TV, Online IVR	97.5
	21-Jul	08/18/2021	After-Hours Call Center	140.44
USB02 - U.S. BANK CORPORATE				
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	After-Hours Call Center	125.19
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	After-Hours Call Center	135.62
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Air pump for bubbler at SL1A	55.84
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Application fee for AWTO 5 test & New work boots	144.31
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Application fee for AWTO 5 test & New work boots	149.43
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Application fee for AWTO 5 test & New work boots	133.21
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	AWA/CCWUC Training (Terry C.)	9.46
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	AWA/CCWUC Training (Terry C.)	8.74
USB02 - U.S. BANK CORPORATE				9.8
	21-Jul	08/18/2021	AWA/CCWUC Training (Terry C.)	
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Background Check (Brandon R.)	11.32
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Background Check (Brandon R.)	11.73
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Background Check (Brandon R.)	10.45
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Cable TV News Serv, Online IVR, Alchemy support	1630.03
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Cable TV News Serv, Online IVR, Alchemy support	1453.06
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Cable TV News Serv, Online IVR, Alchemy support	1574.15
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	DCU plunger-lock keys, small tool boxes	200.33
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Eff Ponds Spec Book & other books and plans eng	163.59
USB02 - U.S. BANK CORPORATE				169.4
	21-Jul	08/18/2021	Eff Ponds Spec Book & other books and plans eng	
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Eff Ponds Spec Book & other books and plans eng	151
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Fitt fuel transfer pump, garage window, oil change	401.59
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Fitt fuel transfer pump, garage window, oil change	370.7
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Fitt fuel transfer pump, garage window, oil change	415.85
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Floor mat for CWRF	43.47
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Floor mat for CWRF	45.01
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Floor mat for CWRF	40.12
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Gopher traps for CWRF, Water heater for office	138.25
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Gopher traps for CWRF, Water heater for office	155.09
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Gopher traps for CWRF, Water heater for office	149.77
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Hand sanitizers, Cofee Main off and CWRF	120.28
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Hand sanitizers, Cofee Main off and CWRF	116.16
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Hand sanitizers, Cofee Main off and CWRF	107.22
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Kitchen Supplies	68.43
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Kitchen Supplies	61
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Kitchen Supplies	66.08
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Materials for 1B Tank	261.84
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Materials for radio tower at CWRF	58.46
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Mech Tech Grade 3 Cert, AWTO Grade 3 test	118.64
	04.1.1	00/10/0001	Mech Tech Grade 3 Cert, AWTO Grade 3 test	109.5
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	•	
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Mech Tech Grade 3 Cert, AWTO Grade 3 test	122.84
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Membership Renewal	152.25
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Membership Renewal	135.72
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Membership Renewal	147.03
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Metal Countersink, 1B Motion sensor	38.45
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Metroscan month fee, website host	96.85
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Metroscan month fee, website host	93.52
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Metroscan month fee, website host	86.33
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	monthly vehicle wash	19.26
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	monthly vehicle wash	17.78
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	monthly vehicle wash	19.95
00002 - 0.0. DANK OOK OKATE	2 1-Jul	00/10/2021	monuny venice wash	19.95

USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	NUC PC for Roth Desktop, Hard drive & RAM	326.89
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	NUC PC for Roth Desktop, Hard drive & RAM	354.13
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	NUC PC for Roth Desktop, Hard drive & RAM	366.7
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Off Supp-COVID (pen holders & sanit refill)	92.09
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Off Supp-COVID (pen holders & sanit refill)	95.36
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Off Supp-COVID (pen holders & sanit refill)	85.01
USB02 - U.S. BANK CORPORATE			, , , , , , , , , , , , , , , , , , , ,	23.67
	21-Jul	08/18/2021	Oil Change	
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Oil Change	21.1
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Oil Change	22.86
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Paper for large format printer	52.19
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Paper for large format printer	48.18
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Paper for large format printer	54.05
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Spectrum Internet	389.69
	21-Jul		•	437.15
USB02 - U.S. BANK CORPORATE		08/18/2021	Spectrum Internet	
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Spectrum Internet	422.16
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	stock imagery for website/social media	10.5
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	stock imagery for website/social media	9.36
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	stock imagery for website/social media	10.14
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	teleconferencing for Board & staff meetings	25.33
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	teleconferencing for Board & staff meetings	23.38
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	teleconferencing for Board & staff meetings	26.23
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Tools for work truck	7.01
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Tools for work truck	7.6
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Tools for work truck	7.87
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Two pairs of cutters and a hat for Mia.	25.16
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Two pairs of cutters and a hat for Mia.	12.07
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Two pairs of cutters and a hat for Mia.	13.08
USB02 - U.S. BANK CORPORATE	21-Jul	08/18/2021	Wrench Set, Flat head screwdry, Conc Temper	70.21
			•	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	After-Hours Call, Spectrum Internet	557.78
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	After-Hours Call, Spectrum Internet	514.88
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	After-Hours Call, Spectrum Internet	577.59
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021		489.44
			Ant and Bug Spray, Tires, Propane, hardware	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Ant and Bug Spray, Tires, Propane, hardware	436.3
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Ant and Bug Spray, Tires, Propane, hardware	472.66
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Background Check	11.32
			•	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Background Check	10.45
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Background Check	11.73
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	CWEA Membership	64.9
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	CWEA Membership	67.2
			·	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	CWEA Membership	59.9
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	CWEA Membership, E&I4 Cert	92.98
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	CWEA Membership, E&I4 Cert	104.3
USB02 - U.S. BANK CORPORATE	•	09/15/2021	• •	100.72
	21-Aug		CWEA Membership, E&I4 Cert	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Display Cables SCADA, Plumbing parts, Lid pullers	1068.6
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Hand Tools, Milwaukee Ratchet sets	1555.76
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Lub, Tape Measure, Equip groundwater monitoring	132.22
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021		117.86
	•		Lub, Tape Measure, Equip groundwater monitoring	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Lub,Tape Measure, Equip groundwater monitoring	127.69
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Masks, Coffe Maker, Plastic Barriers front office	253.39
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Masks, Coffe Maker, Plastic Barriers front office	274.5
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Masks, Coffe Maker, Plastic Barriers front office	284.25
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	monthly vehicle wash	19.95
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	monthly vehicle wash	17.78
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	monthly vehicle wash	19.26
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USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	OilChange,Floorcover,Tables,MudFlaps,Truck Parts	471.93
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	OilChange,Floorcover,Tables,MudFlaps,Truck Parts	488.68
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	OilChange,Floorcover,Tables,MudFlaps,Truck Parts	435.62
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Piping for CWRF, Tubbing Sewer Lift, Lid Pullers	519.75
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USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	RevOsmosis Spec Cert, Safety Boots, AWATraining	635.61
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	RevOsmosis Spec Cert, Safety Boots, AWATraining	658.18
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	RevOsmosis Spec Cert, Safety Boots, AWATraining	586.72
USB02 - U.S. BANK CORPORATE		09/15/2021	Shipping Samples to Weck Labs	16.37
	21-Aug		•	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Shipping Samples to Weck Labs	17.73
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Shipping Samples to Weck Labs	34.11
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Signs, Ice for lab, Lab Supplies	402.56
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Signs, Ice for lab, Lab Supplies	209.33
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Signs, Ice for lab, Lab Supplies	193.23

USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	stock imagery for website/social media	10.5
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	stock imagery for website/social media	9.36
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	stock imagery for website/social media	10.14
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	teleconf for Board & staff meetings,1 license	27.46
			3 ,	28.43
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	teleconf for Board & staff meetings,1 license	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	teleconf for Board & staff meetings,1 license	25.35
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	Valve Keys / Sand clothe	174.82
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	video production for social media	29.4
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	video production for social media	26.21
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USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	video production for social media	28.39
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	web site hosting, Cable TV, Online IVR	86.63
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	web site hosting, Cable TV, Online IVR	89.7
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	web site hosting, Cable TV, Online IVR	79.96
			,	
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	wireless keyboard/mouse, RAM, UPS, WifiExtender	802.53
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	wireless keyboard/mouse, RAM, UPS, WifiExtender	831.02
USB02 - U.S. BANK CORPORATE	21-Aug	09/15/2021	wireless keyboard/mouse, RAM, UPS, WifiExtender	740.8
UWA01 - UNITED WAY OF VENTURA CO.	•		•	
Paid To Same Vendor				
	IND (0040004	07/04/0004	01 11 11 11 11 11 11 11 11 11 11 11 11 1	00
UWA01 - UNITED WAY OF VENTURA CO.	INV0010231	07/01/2021	Charity-United Way	20
UWA01 - UNITED WAY OF VENTURA CO.	INV0010264	07/15/2021	Charity-United Way	20
UWA01 - UNITED WAY OF VENTURA CO.	INV0010352	07/29/2021	Charity-United Way	20
UWA01 - UNITED WAY OF VENTURA CO.	INV0010385	08/12/2021	Charity-United Way	20
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UWA01 - UNITED WAY OF VENTURA CO.	INV0010445	08/26/2021	Charity-United Way	20
UWA01 - UNITED WAY OF VENTURA CO.	INV0010490	09/09/2021	Charity-United Way	20
UWA01 - UNITED WAY OF VENTURA CO.	INV0010552	09/23/2021	Charity-United Way	20
VEN02 - VENTURA REGIONAL SANITATION DISTRICT, INC			, ,	
Paid To Same Vendor				
	1000 000000 00001	00/00/0004	\/D0D 0	0404.75
VEN02 - VENTURA REGIONAL SANITATION DISTRICT, INC	1002-202200-63021	08/23/2021	VRSD Sewer Cleaning	8181.75
VEN02 - VENTURA REGIONAL SANITATION DISTRICT, INC	202200-73121	08/23/2021	VRSD Sewer Cleaning	32965.75
VEN11 - VCSDA				
Paid To Same Vendor				
	2021 22 Dues	09/19/2021	VCCDA Appual Duga 21 22	150
VEN11 - VCSDA	2021-22 Dues	08/18/2021	VCSDA Annual Dues 21-22	150
VEN21 - VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT				
Paid To Same Vendor				
VEN21 - VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT	1044558	07/14/2021	Generator Permit - Pump Station #1	652
VEN24 - VENTURA SECURITY SYSTEMS	1011000	0.7.1.7202.	Constator Formit Fump Station //	002
Paid To Same Vendor				
VEN24 - VENTURA SECURITY SYSTEMS	6701443	07/01/2021	Security System Maintenance	199.5
VEN33 - VENTURA COUNTY STAR				
Paid To Same Vendor				
	0002002000	00/40/0004	Nation TOD Demonstral & Handaissand Francis	000.0
VEN33 - VENTURA COUNTY STAR	0003993988	08/18/2021	Notice TCP Removal & Unclaimed Funds	823.6
VEN36 - VENTURA COUNTY RECORDER				
Paid To Same Vendor				
VEN36 - VENTURA COUNTY RECORDER	GrantDeed 6-23-21	07/22/2021	Grant Deed 2.47 Acres Agricultural Land	238.7
VEN36 - VENTURA COUNTY RECORDER	GAC-RecordedFees	08/24/2021	Record Fees 2.47 Acres Purchased City Thousand Oak	30
	GAC-Recorded rees	06/24/2021	Record Fees 2.47 Acres Fulchased City Thousand Oak	30
VER02 - VERIZON WIRELESS				
Paid To Same Vendor				
VER02 - VERIZON WIRELESS	9884647619	08/06/2021	Cell Phones	2550.99
VER02 - VERIZON WIRELESS	9886817029	08/31/2021	Cell Phone	2239.47
VER04 - VERIZON BUSINESS, INC	0000011020	00/01/2021		2200
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Paid To Same Vendor				
VER04 - VERIZON BUSINESS, INC	71876609	07/27/2021	VOIP T1 (Verizon)	1262.74
VER04 - VERIZON BUSINESS, INC	71900238	08/17/2021	VOIP T1 (Verizon)	1262.74
VER04 - VERIZON BUSINESS, INC	71930061	09/15/2021	VOIP - T1 (Verizon)	1265.23
	7 1330001	03/13/2021	VOII - II (VOIIZOII)	1200.20
WAL03 - LARRY WALKER ASSOCIATES, INC				
Paid To Same Vendor				
WAL03 - LARRY WALKER ASSOCIATES, INC	00388-02-3	07/14/2021	NPDES Climate Plan	2032.5
WAL03 - LARRY WALKER ASSOCIATES, INC	00388-02-04	07/22/2021	NPDES Climate Plan	9379
•	00000 02 01	0.722,202.	THE DESCRIPTION OF THE PROPERTY OF THE PROPERT	33.3
WAL04 - WALTON MOTORS & CONTROLS, INC				
Paid To Same Vendor				
WAL04 - WALTON MOTORS & CONTROLS, INC	42786	08/18/2021	Pump Repair SL1A	11437.26
WAL04 - WALTON MOTORS & CONTROLS, INC	42831	09/14/2021	Pump Repair SL1A	840
WAL04 - WALTON MOTORS & CONTROLS, INC	42832	09/14/2021	Motor Repair SL2A	1520.7
,				
WAL04 - WALTON MOTORS & CONTROLS, INC	42863	09/15/2021	Motor Repair CSUCI PS	4078.81
WAT03 - WATEREUSE ASSOCIATION				
Paid To Same Vendor				
WAT03 - WATEREUSE ASSOCIATION	D42934	07/14/2021	WateReuse Membership Dues	1070
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WAT04 - WATER SYSTEMS CONSULTING, INC.				
Paid To Same Vendor				
WAT04 - WATER SYSTEMS CONSULTING, INC.	5767	07/14/2021	RRA/ERP	5040
WAT04 - WATER SYSTEMS CONSULTING, INC.	5840	07/22/2021	Out of Scope Work	289.7
WAT04 - WATER SYSTEMS CONSULTING, INC.	5840	07/22/2021	Training	2687.8
WAT04 - WATER SYSTEMS CONSULTING, INC.	5955	09/27/2021	Risk & Resilience Assessment	1017.5
WAT10 - WATER RESOURCE ENGINEERING ASSOC				
Paid To Same Vendor				
WAT10 - WATER RESOURCE ENGINEERING ASSOC	3325-14	09/10/2021	Lynwood Sewer	597.79
WES13 - GMH, Inc				
Paid To Same Vendor				
WES13 - GMH, Inc	S118452	08/31/2021	AC Maintenance	265
WES13 - GMH, Inc	S118768	08/31/2021	AC Maintenance	28.54
WIE01 - WIENHOFF DRUG TESTING				
Paid To Same Vendor				
WIE01 - WIENHOFF DRUG TESTING	99571	08/18/2021	Add Chris C. to DOT Program	80
WIL08 - WILLIAM RAY CONSULTING, LLC				
Paid To Same Vendor				
WIL08 - WILLIAM RAY CONSULTING, LLC	2021-10	07/22/2021	ELAP regulations and	480
WIL08 - WILLIAM RAY CONSULTING, LLC	2021-19	07/22/2021	ELAP regulations and	1929.07
WWG01 - W W GRAINGER, INC.				
Paid To Same Vendor				
WWG01 - W W GRAINGER, INC.	9960964071	07/14/2021	Repair Parts CWRF	113.07
WWG01 - W W GRAINGER, INC.	9965650691	07/27/2021	Repair Parts - Res 1B Battery Storage	837.96
WWG01 - W W GRAINGER, INC.	9969421578	07/27/2021	Materials & Supplies - Wipes	150.83
WWG01 - W W GRAINGER, INC.	9001501379	07/28/2021	Equipment for Ground Water Sampling	163.77
WWG01 - W W GRAINGER, INC.	9009988677	08/06/2021	Repair Parts - RMWTP	892.19
WWG01 - W W GRAINGER, INC.	9010487982	08/06/2021	Repair Parts	258.94
WWG01 - W W GRAINGER, INC.	9020903440	08/17/2021	Materials & Supplies - RMWTP	371.86
WWG01 - W W GRAINGER, INC.	9020488343	08/18/2021	Lab Gloves	466.58
WWG01 - W W GRAINGER, INC.	9026674649	08/23/2021	Materials & Supplies - Labeling Supplies	857.93
WWG01 - W W GRAINGER, INC.	9026674656	08/23/2021	Hand Tools Wrenches	982.74
WWG01 - W W GRAINGER, INC.	9026840406	08/23/2021	Materials & Supplies Pipe Taps	966.99
WWG01 - W W GRAINGER, INC.	9027152504	08/23/2021	Hand Tools Digging Bars	966.27
WWG01 - W W GRAINGER, INC.	9026488990	08/24/2021	Measuring Wheel for Inspections	83.13
WWG01 - W W GRAINGER, INC.	9026489006	08/24/2021	Recycled Water Purple Tape	129.82
WWG01 - W W GRAINGER, INC.	9029404556 9031122402	08/24/2021	Pump for Groundwater Well Sampling	598.5 54.57
WWG01 - W W GRAINGER, INC.	9031122402	08/31/2021 08/31/2021	Materials & Supplies - Cutting Oil	711.78
WWG01 - W W GRAINGER, INC. WWG01 - W W GRAINGER. INC.	9032836018	08/31/2021	Materials & Supplies - Batteries Repair Parts - Fire Extinguisher Box	711.78 52.06
WWG01 - W W GRAINGER, INC.	9046215209	09/14/2021	Repair Parts RMWTP	-514.1 717.64
WWG01 - W W GRAINGER, INC. ZEB01 - ZEBRON, INC	9047781910	09/14/2021	Repair Parts RMWTP	717.04
Paid To Same Vendor				
ZEB01 - ZEBRON, INC	52793	09/28/2021	Manhole Rehabilitation	48860
ZEDUT - ZEDINOM, IMO	32193	09/20/2021	Mailliole Meriabilitation	40000

FUNDS FY 21-22

UNRESTRICTED FUNDS LAIF UNION BANK DEPOSIT ACCOUNT UNION BANK DISBURSEMENTS ACCOUNT BANK OF AMERICA-RTL ACCOUNT		JUNE 27,640,311.09 895,403.41 823,414.27 915,885.23	JULY 29,063,071.14 540,806.84 709,022.24 402,940.55		AUGUST 29,063,071.14 652,148.31 1,191,275.90 521,841.75		7	SEPTEMBER		OCTOBER		NOVEMBER	DE	CEMBER
TOTAL	\$	30,275,014.00	\$ 30,715,840.77	\$	31,428,337.10		\$	-	\$	-	\$	-	\$	-
RESTRICTED FUNDS PAYMENT FUND 2016 RESERVES 2016 WATER ACQUISITION FUND 2016 INSURED CASH SHELTER ACCOUNT (Wastewater Fund)) \$	208,715.63 879,528.69 3,831,796.40 13,792.18 4,933,832.90	83.30 879,528.69 3,438,209.23 13,793.94 4,331,615.16	\$	179.53 879,528.69 3,253,934.00 13,795.70 4,147,437.92	2 3,4	ı	-	\$	-	\$	-	\$	-
GRAND TOTAL	\$	35,208,846.90	\$ 35,047,455.93	\$	35,575,775.02		\$	-	\$	-	\$	-	\$	-
Series 2016-Reserve Fund Cusip Number 09248u445		ancial Institution	Settlement Date 10/19/2016		Coupon Rate 0.03%					Maturity N/A		Amount 879,528.69	Acci	ued Income
Series 2016-Water Acquisition Fund Cusip Number	Fin	ancial Institution	Settlement Date		Coupon Rate					Maturity		Amount	Accı	rued Income
09248u445	Blackr	ock Liquidity Funds	10/19/2016		0.03%					N/A		3,253,934.00		72.69
ANTICIPATED OUTFLOWS Water Purchases August 2021 Payroll PR 9-1, 9-2 & ME AP Check Run 09/1, 9/15 & 9/29 Large CIP Project Payments Bond Payments	\$	1,054,618.05 300,000.00 1,500,000.00 - - 2,854,618.05		Tor	TE ny Stafford -Gener	ral Ma		NANCE MEETING 9/15/2021			lan	Prichard-AGM		
				Tar	mara Sexton-Finar	nce M	lanag	ger	-		Sar	ndra Llamas-Seni	or Accou	ıntant

MEETING NOTES:

- 1. The payment fund received \$1.96 in interest int eh month of August.
- 2. The Reserve Fund received \$18.91 in interest. The full amount was transferred to the Payment Fund.
- 3. The Water Acquisition Fund received \$75.36 in interest. The full amount was transferred to the Payment Fund.
- 4. A reimbursement for capital expenditures in the amount of \$184,275.23 was transferred to Camrosa from the Water Acquisition Fund
- 5. The Insured Cash Shelter Account (ICSA) received \$1.76 in interest in the month of August.
- 6. The Insured Cash Shelter Account average monthly rate of return for the period was 0.1500%
- 7. LAIF's average monthly rate of return for the period was 0.221%

2021 Camrosa Board Calendar

		J/	NUA	RY					FE	BRU/	ARY						MARC	H			2021 Observed Holidays
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	January 1 st - New Year's Day
					1	2		1	2	3	4	5	6		1	2	3	4	5	6	February 15 th - President's Day
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13	May 31 st - Memorial Day
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20	July 5 th - Independence Day (Observed)
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27	September 6 th - Labor Day
24	25	26	27	28	29	30	28							28	29	30	31				November 11 th - Veteran's Day
31																					November 25 th & 26 th - Thanksgiving
																					December 23 rd & 24 th - Christmas
			APRII	_						MAY							JUNE				December 31 st - New Year's Eve
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
				1	2	3							1			1	2	3	4	5	2021 Conferences
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12	CASA Winter Conf. (**Virtual Event**) - Jan. 27th - 28th
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19	ACWA Spring Conf. (Monterey) - May 4 th - 7 th
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26	CASA 66th Annual Conf. (San Diego) - Aug. 11 th - 13 th
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30				ACWA Fall Conf. (Pasadena) - Nov. 30 th - Dec. 3 rd
							30	31													
																					2021 AWA Meetings
			JULY						A	UGU:	ST					SE	PTEM	BER			"Water Issues" Third Tuesday (except Apr., Aug., Dec.)
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	Waterwise Breakfast (See yellow on calendar)
				1	2	3	1	2	3	4	5	6	7				1	2	3	4	AWA Board Meetings (See orange on calendar)
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11	August - DARK (No Meetings or Events)
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18	September 30 th - Reagan Library Reception
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25	October 21 st - Annual Symposium
25	26	27	28	29	30	31	29	30	31					26	27	28	29	30			December 9 th - Holiday Mixer
									7000												2021 VC SDA Meetings
		_	стов		_				_	VEM							CEME			_	February 2 nd - Annual Dinner
S	M	Т	W	Т	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	April 6 th June 1 st
	-				1	2		1	2	3	4	5	6				1	2	3	4	August 3 rd
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	1	8	9	10	11	October 5 th
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	December 7 th
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	December 7
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31		
31 Camr	000 1/	Vator	Dietric	·+			-														
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							Calle	auas	Boam	Meet	inas a	re he	d 1st 8	3rd Wed	nesda	v - 5-	00 PM				